

Wickham, Jerry, Env. Health

From: Peter Langtry [plangtry@cornerstoneearth.com]
Sent: Wednesday, November 09, 2011 9:12 AM
To: Wickham, Jerry, Env. Health
Cc: nallen@sandis.net; Miller, Charles GSA - Technical Service Department
Subject: Ashland Youth Center Import Source
Attachments: Sample Map.pdf; Test America, DQ, Metals, PH, Asbestos collected 09.03.10.pdf

Hello Jerry, the analytical results and a map showing the locations of the samples provided by the contractor are attached. The volume of material to be imported is approximately 5,800 cubic yards. We expect to receive the results of the asbestos analysis later today or tomorrow.

The analytical results are for samples collected September 2010, but the contractor reported that the soil planned for import to the Ashland Youth Center is from the same source that was sampled.

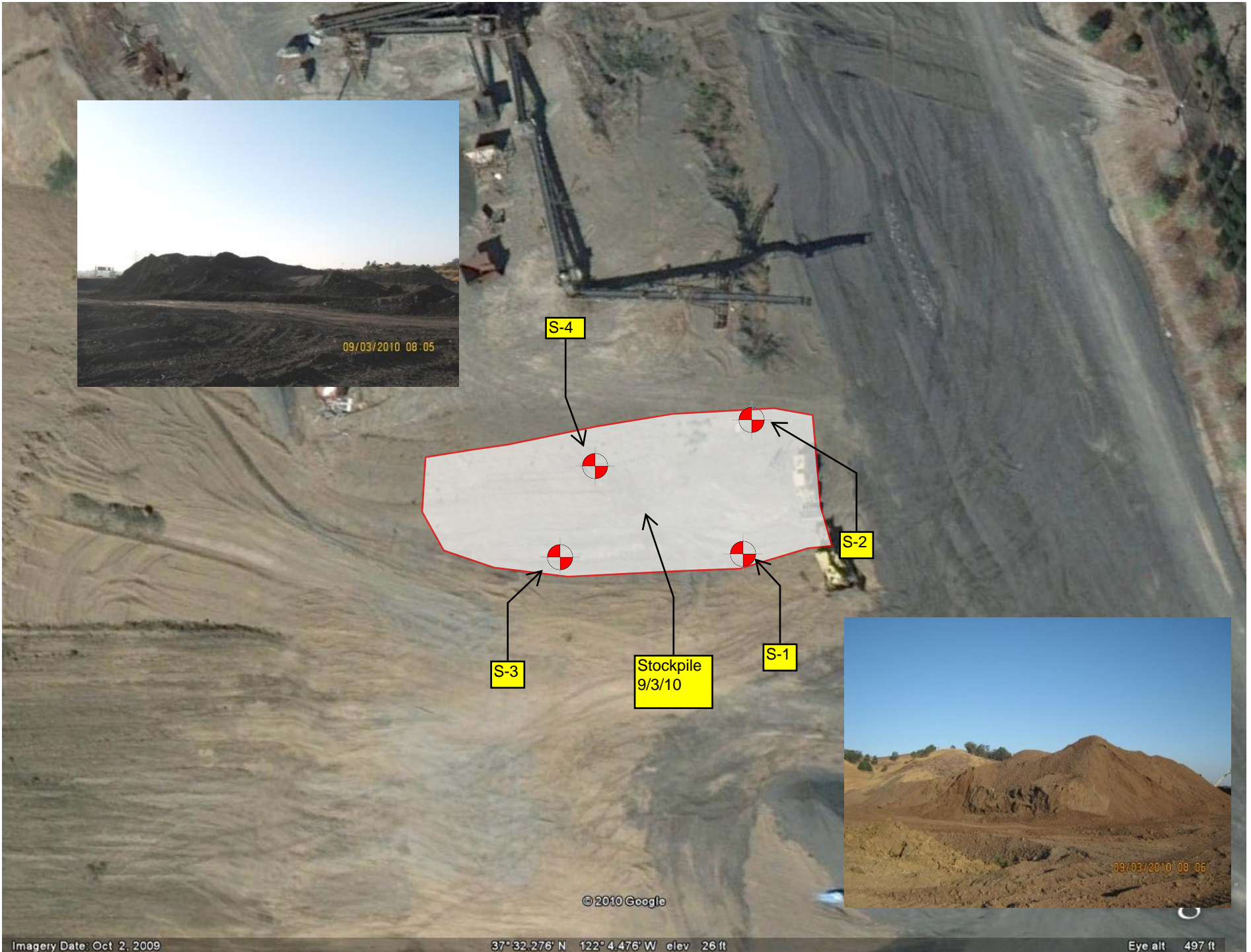
Because the soil is from virgin quarry material from a commercial source, the analytical results appear acceptable for use as fill at the Ashland site, pending results of the asbestos analysis.

Sincerely,

Peter Langtry, P.G., C.E.G.
Principal Geologist



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ANALYTICAL REPORT

Job Number: 720-30285-2

Job Description: DQ Low PI

For:

Pacific States Environmental
11555 Dublin Blvd
Dublin, CA 94568

Attention: Mr. Bryan Evans



Approved for release.
Dimple Sharma
Project Manager I
9/20/2010 3:39 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
09/20/2010

cc: Mr. Michael Collings

CA ELAP Certification # 2496

The Chain(s) of Custody are included and are an integral part of this report.

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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.

TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566

Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Pacific States Environmental

Job Number: 720-30285-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30285-1	S-1				
Arsenic		4.0	3.8	mg/Kg	6010B
Barium		540	1.9	mg/Kg	6010B
Chromium		69	1.9	mg/Kg	6010B
Cobalt		29	0.77	mg/Kg	6010B
Copper		97	5.8	mg/Kg	6010B
Lead		8.9	1.9	mg/Kg	6010B
Nickel		88	1.9	mg/Kg	6010B
Vanadium		66	1.9	mg/Kg	6010B
Zinc		73	5.8	mg/Kg	6010B
Mercury		0.066	0.0095	mg/Kg	7471A
<i>Soluble</i>					
pH-Soluble		8.37	0.100	SU	9045C
720-30285-2	S-2				
Barium		720	2.0	mg/Kg	6010B
Chromium		58	2.0	mg/Kg	6010B
Cobalt		22	0.78	mg/Kg	6010B
Copper		130	5.9	mg/Kg	6010B
Lead		11	2.0	mg/Kg	6010B
Nickel		87	2.0	mg/Kg	6010B
Vanadium		61	2.0	mg/Kg	6010B
Zinc		76	5.9	mg/Kg	6010B
Mercury		0.18	0.0098	mg/Kg	7471A
<i>Soluble</i>					
pH-Soluble		8.45	0.100	SU	9045C
720-30285-3	S-3				
Barium		430	2.0	mg/Kg	6010B
Chromium		67	2.0	mg/Kg	6010B
Cobalt		22	0.81	mg/Kg	6010B
Copper		82	6.1	mg/Kg	6010B
Lead		6.1	2.0	mg/Kg	6010B
Nickel		68	2.0	mg/Kg	6010B
Vanadium		78	2.0	mg/Kg	6010B
Zinc		76	6.1	mg/Kg	6010B
Mercury		0.12	0.010	mg/Kg	7471A
<i>Soluble</i>					
pH-Soluble		8.42	0.100	SU	9045C

EXECUTIVE SUMMARY - Detections

Client: Pacific States Environmental

Job Number: 720-30285-2

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30285-4	S-4				
Barium		370	2.0	mg/Kg	6010B
Chromium		66	2.0	mg/Kg	6010B
Cobalt		26	0.78	mg/Kg	6010B
Copper		82	5.9	mg/Kg	6010B
Lead		5.6	2.0	mg/Kg	6010B
Nickel		61	2.0	mg/Kg	6010B
Vanadium		100	2.0	mg/Kg	6010B
Zinc		74	5.9	mg/Kg	6010B
Mercury		0.098	0.0095	mg/Kg	7471A
<i>Soluble</i>					
pH-Soluble		8.06	0.100	SU	9045C

METHOD SUMMARY

Client: Pacific States Environmental

Job Number: 720-30285-2

Description		Lab Location	Method	Preparation Method
Matrix	Solid			
Metals (ICP)		TAL SF	SW846 6010B	
Preparation, Metals		TAL SF		SW846 3050B
Mercury (CVAA)		TAL SF	SW846 7471A	
Preparation, Mercury		TAL SF		SW846 7471A
pH		TAL SF	SW846 9045C	
Deionized Water Leaching Procedure		TAL SF		ASTM DI Leach
General Sub Contract Method		EMLab San	Subcontract	

Lab References:

EMLab San = EMLab P&K - San Bruno

TAL SF = TestAmerica San Francisco

Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Pacific States Environmental

Job Number: 720-30285-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30285-1	S-1	Solid	09/03/2010 0800	09/03/2010 0846
720-30285-2	S-2	Solid	09/03/2010 0800	09/03/2010 0846
720-30285-3	S-3	Solid	09/03/2010 0800	09/03/2010 0846
720-30285-4	S-4	Solid	09/03/2010 0800	09/03/2010 0846

Analytical Data

Client: Pacific States Environmental

Job Number: 720-30285-2

Client Sample ID: S-1

Lab Sample ID: 720-30285-1

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-78188	Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-78073	Lab File ID:	09161007.txt
Dilution:	4.0		Initial Weight/Volume:	1.04 g
Date Analyzed:	09/16/2010 2317		Final Weight/Volume:	50 mL
Date Prepared:	09/16/2010 0800			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.9
Arsenic		4.0		3.8
Barium		540		1.9
Beryllium		ND		0.38
Cadmium		ND		0.48
Chromium		69		1.9
Cobalt		29		0.77
Copper		97		5.8
Lead		8.9		1.9
Molybdenum		ND		1.9
Nickel		88		1.9
Selenium		ND		3.8
Silver		ND		0.96
Thallium		ND		1.9
Vanadium		66		1.9
Zinc		73		5.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 720-78140	Instrument ID:	LL_HG Analyzer
Preparation:	7471A	Prep Batch: 720-78105	Lab File ID:	S091610A.PRN
Dilution:	1.0		Initial Weight/Volume:	0.63 g
Date Analyzed:	09/16/2010 1648		Final Weight/Volume:	50 mL
Date Prepared:	09/16/2010 1209			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.066		0.0095

Analytical Data

Client: Pacific States Environmental

Job Number: 720-30285-2

Client Sample ID: S-2

Lab Sample ID: 720-30285-2

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-78188	Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-78073	Lab File ID:	09161007.txt
Dilution:	4.0		Initial Weight/Volume:	1.02 g
Date Analyzed:	09/16/2010 2322		Final Weight/Volume:	50 mL
Date Prepared:	09/16/2010 0800			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.0
Arsenic		ND		3.9
Barium		720		2.0
Beryllium		ND		0.39
Cadmium		ND		0.49
Chromium		58		2.0
Cobalt		22		0.78
Copper		130		5.9
Lead		11		2.0
Molybdenum		ND		2.0
Nickel		87		2.0
Selenium		ND		3.9
Silver		ND		0.98
Thallium		ND		2.0
Vanadium		61		2.0
Zinc		76		5.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 720-78140	Instrument ID:	LL_HG Analyzer
Preparation:	7471A	Prep Batch: 720-78105	Lab File ID:	S091610A.PRN
Dilution:	1.0		Initial Weight/Volume:	0.61 g
Date Analyzed:	09/16/2010 1650		Final Weight/Volume:	50 mL
Date Prepared:	09/16/2010 1209			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.18		0.0098

Analytical Data

Client: Pacific States Environmental

Job Number: 720-30285-2

Client Sample ID: S-3

Lab Sample ID: 720-30285-3

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 720-78188	Instrument ID:	Thermo ICP
Preparation:	3050B	Prep Batch: 720-78073	Lab File ID:	09161007.txt
Dilution:	4.0		Initial Weight/Volume:	0.99 g
Date Analyzed:	09/16/2010 2326		Final Weight/Volume:	50 mL
Date Prepared:	09/16/2010 0800			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.0
Arsenic		ND		4.0
Barium		430		2.0
Beryllium		ND		0.40
Cadmium		ND		0.51
Chromium		67		2.0
Cobalt		22		0.81
Copper		82		6.1
Lead		6.1		2.0
Molybdenum		ND		2.0
Nickel		68		2.0
Selenium		ND		4.0
Silver		ND		1.0
Thallium		ND		2.0
Vanadium		78		2.0
Zinc		76		6.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 720-78140	Instrument ID:	LL_HG Analyzer
Preparation:	7471A	Prep Batch: 720-78105	Lab File ID:	S091610A.PRN
Dilution:	1.0		Initial Weight/Volume:	0.58 g
Date Analyzed:	09/16/2010 1654		Final Weight/Volume:	50 mL
Date Prepared:	09/16/2010 1209			

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.12		0.010

Analytical Data

Client: Pacific States Environmental

Job Number: 720-30285-2

Client Sample ID: S-4

Lab Sample ID: 720-30285-4

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

6010B Metals (ICP)

Method: 6010B Analysis Batch: 720-78188 Instrument ID: Thermo ICP
Preparation: 3050B Prep Batch: 720-78073 Lab File ID: 09161007.txt
Dilution: 4.0 Initial Weight/Volume: 1.02 g
Date Analyzed: 09/16/2010 2338 Final Weight/Volume: 50 mL
Date Prepared: 09/16/2010 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.0
Arsenic		ND		3.9
Barium		370		2.0
Beryllium		ND		0.39
Cadmium		ND		0.49
Chromium		66		2.0
Cobalt		26		0.78
Copper		82		5.9
Lead		5.6		2.0
Molybdenum		ND		2.0
Nickel		61		2.0
Selenium		ND		3.9
Silver		ND		0.98
Thallium		ND		2.0
Vanadium		100		2.0
Zinc		74		5.9

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 720-78140 Instrument ID: LL_HG Analyzer
Preparation: 7471A Prep Batch: 720-78105 Lab File ID: S091610A.PRN
Dilution: 1.0 Initial Weight/Volume: 0.63 g
Date Analyzed: 09/16/2010 1700 Final Weight/Volume: 50 mL
Date Prepared: 09/16/2010 1209

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.098		0.0095

Client: Pacific States Environmental

Job Number: 720-30285-2

General Chemistry

Client Sample ID: S-1

Lab Sample ID: 720-30285-1

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

Analyte	Result	Qual	Units	RL	Dil	Method
pH-Soluble	8.37		SU	0.100	1.0	9045C
	Analysis Batch: 720-78112		Date Analyzed: 09/16/2010 1731			DryWt Corrected: N

Client: Pacific States Environmental

Job Number: 720-30285-2

General Chemistry

Client Sample ID: S-2

Lab Sample ID: 720-30285-2

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

Analyte	Result	Qual	Units	RL	Dil	Method
pH-Soluble	8.45		SU	0.100	1.0	9045C
	Analysis Batch: 720-78112		Date Analyzed: 09/16/2010 1738			DryWt Corrected: N

Client: Pacific States Environmental

Job Number: 720-30285-2

General Chemistry

Client Sample ID: S-3

Lab Sample ID: 720-30285-3

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

Analyte	Result	Qual	Units	RL	Dil	Method
pH-Soluble	8.42		SU	0.100	1.0	9045C
	Analysis Batch: 720-78112		Date Analyzed: 09/16/2010 1740			DryWt Corrected: N

Client: Pacific States Environmental

Job Number: 720-30285-2

General Chemistry

Client Sample ID: S-4

Lab Sample ID: 720-30285-4

Date Sampled: 09/03/2010 0800

Client Matrix: Solid

Date Received: 09/03/2010 0846

Analyte	Result	Qual	Units	RL	Dil	Method
pH-Soluble	8.06		SU	0.100	1.0	9045C
	Analysis Batch: 720-78112		Date Analyzed: 09/16/2010 1742			DryWt Corrected: N

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: Pacific States Environmental

Job Number: 720-30285-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 720-78073					
LCS 720-78073/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 720-78073/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
LCSSRM 720-78073/15-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-78073/1-A	Method Blank	T	Solid	3050B	
720-30285-1	S-1	T	Solid	3050B	
720-30285-2	S-2	T	Solid	3050B	
720-30285-3	S-3	T	Solid	3050B	
720-30285-4	S-4	T	Solid	3050B	
Prep Batch: 720-78105					
LCS 720-78105/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 720-78105/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 720-78105/1-A	Method Blank	T	Solid	7471A	
720-30285-1	S-1	T	Solid	7471A	
720-30285-2	S-2	T	Solid	7471A	
720-30285-3	S-3	T	Solid	7471A	
720-30285-4	S-4	T	Solid	7471A	
Analysis Batch:720-78140					
LCS 720-78105/2-A	Lab Control Sample	T	Solid	7471A	720-78105
LCSD 720-78105/3-A	Lab Control Sample Duplicate	T	Solid	7471A	720-78105
MB 720-78105/1-A	Method Blank	T	Solid	7471A	720-78105
720-30285-1	S-1	T	Solid	7471A	720-78105
720-30285-2	S-2	T	Solid	7471A	720-78105
720-30285-3	S-3	T	Solid	7471A	720-78105
720-30285-4	S-4	T	Solid	7471A	720-78105
Analysis Batch:720-78188					
LCS 720-78073/2-A	Lab Control Sample	T	Solid	6010B	720-78073
LCSD 720-78073/3-A	Lab Control Sample Duplicate	T	Solid	6010B	720-78073
LCSSRM 720-78073/15-A	LCS-Standard Reference Material	T	Solid	6010B	720-78073
MB 720-78073/1-A	Method Blank	T	Solid	6010B	720-78073
720-30285-1	S-1	T	Solid	6010B	720-78073
720-30285-2	S-2	T	Solid	6010B	720-78073
720-30285-3	S-3	T	Solid	6010B	720-78073
720-30285-4	S-4	T	Solid	6010B	720-78073

Report Basis

T = Total

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-30285-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 720-78067					
LCS 720-78067/1-A	Lab Control Sample	S	Solid	DI Leach	
720-30285-1	S-1	S	Solid	DI Leach	
720-30285-1DU	Duplicate	S	Solid	DI Leach	
720-30285-2	S-2	S	Solid	DI Leach	
720-30285-3	S-3	S	Solid	DI Leach	
720-30285-4	S-4	S	Solid	DI Leach	
Analysis Batch:720-78112					
LCS 720-78067/1-A	Lab Control Sample	S	Solid	9045C	
720-30285-1	S-1	S	Solid	9045C	
720-30285-1DU	Duplicate	S	Solid	9045C	
720-30285-2	S-2	S	Solid	9045C	
720-30285-3	S-3	S	Solid	9045C	
720-30285-4	S-4	S	Solid	9045C	

Report Basis

S = Soluble

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-30285-2

Method Blank - Batch: 720-78073

Lab Sample ID: MB 720-78073/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2010 2250
Date Prepared: 09/16/2010 0800

Analysis Batch: 720-78188
Prep Batch: 720-78073
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: Thermo ICP
Lab File ID: 09161007.txt
Initial Weight/Volume: 0.95 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	ND		0.53
Arsenic	ND		1.1
Barium	ND		0.53
Beryllium	ND		0.11
Cadmium	ND		0.13
Chromium	ND		0.53
Cobalt	ND		0.21
Copper	ND		1.6
Lead	ND		0.53
Molybdenum	ND		0.53
Nickel	ND		0.53
Selenium	ND		1.1
Silver	ND		0.26
Thallium	ND		0.53
Vanadium	ND		0.53
Zinc	ND		1.6

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-30285-2

LCS-Standard Reference Material - Batch: 720-78073

Method: 6010B

Preparation: 3050B

Lab Sample ID: LCSSRM 720-78073/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2010 2355
Date Prepared: 09/16/2010 0800

Analysis Batch: 720-78188
Prep Batch: 720-78073
Units: mg/Kg

Instrument ID: Thermo ICP
Lab File ID: 09161007.txt
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	27.4	22.2	81	11 - 101	
Arsenic	22.7	19.9	88	69 - 119	
Barium	145	125	86	61 - 117	
Beryllium	1.09	0.905	83	56 - 102	
Cadmium	42.2	39.8	94	67 - 118	
Chromium	246	227	92	67 - 121	
Cobalt	65.1	63.5	98	64 - 133	
Copper	58.5	53.9	92	68 - 126	
Lead	44.1	38.6	88	62 - 113	
Molybdenum	61.0	58.1	95	62 - 128	
Nickel	96.8	88.5	91	65 - 117	
Selenium	165	153	93	63 - 126	
Silver	79.5	73.4	92	51 - 130	
Thallium	55.9	50.4	90	64 - 124	
Vanadium	56.7	54.6	96	67 - 123	
Zinc	44.0	38.9	88	62 - 110	

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-30285-2

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78073**

**Method: 6010B
Preparation: 3050B**

LCS Lab Sample ID: LCS 720-78073/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2010 2254
Date Prepared: 09/16/2010 0800

Analysis Batch: 720-78188
Prep Batch: 720-78073
Units: mg/Kg

Instrument ID: Thermo ICP
Lab File ID: 09161007.txt
Initial Weight/Volume: 0.99 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-78073/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2010 2258
Date Prepared: 09/16/2010 0800

Analysis Batch: 720-78188
Prep Batch: 720-78073
Units: mg/Kg

Instrument ID: Thermo ICP
Lab File ID: 09161007.txt
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Antimony	99	96	80 - 120	7	20		
Arsenic	89	87	80 - 120	7	20		
Barium	95	97	80 - 120	2	20		
Beryllium	95	97	80 - 120	2	20		
Cadmium	98	95	80 - 120	7	20		
Chromium	98	97	80 - 120	5	20		
Cobalt	99	96	80 - 120	7	20		
Copper	97	96	80 - 120	5	20		
Lead	101	98	80 - 120	7	20		
Molybdenum	102	99	80 - 120	7	20		
Nickel	101	97	80 - 120	7	20		
Selenium	95	93	80 - 120	6	20		
Silver	97	96	80 - 120	5	20		
Thallium	101	98	80 - 120	7	20		
Vanadium	101	100	80 - 120	5	20		
Zinc	100	95	80 - 120	10	20		

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-30285-2

Method Blank - Batch: 720-78105

Lab Sample ID: MB 720-78105/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 09/16/2010 1632
 Date Prepared: 09/16/2010 1209

Analysis Batch: 720-78140
 Prep Batch: 720-78105
 Units: mg/Kg

**Method: 7471A
 Preparation: 7471A**

Instrument ID: LL_HG Analyzer
 Lab File ID: S091610A.PRN
 Initial Weight/Volume: 0.59 g
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.010

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-78105**

LCS Lab Sample ID: LCS 720-78105/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 09/16/2010 1634
 Date Prepared: 09/16/2010 1209

Analysis Batch: 720-78140
 Prep Batch: 720-78105
 Units: mg/Kg

**Method: 7471A
 Preparation: 7471A**

Instrument ID: LL_HG Analyzer
 Lab File ID: S091610A.PRN
 Initial Weight/Volume: 0.58 g
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-78105/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 09/16/2010 1636
 Date Prepared: 09/16/2010 1209

Analysis Batch: 720-78140
 Prep Batch: 720-78105
 Units: mg/Kg

Instrument ID: LL_HG Analyzer
 Lab File ID: S091610A.PRN
 Initial Weight/Volume: 0.59 g
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	102	102	80 - 120	2	20		

Quality Control Results

Client: Pacific States Environmental

Job Number: 720-30285-2

Duplicate - Batch: 720-78112

Method: 9045C
Preparation: N/A

Lab Sample ID: 720-30285-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2010 1735
Date Prepared: N/A
Date Leached: 09/15/2010 2046

Analysis Batch: 720-78112
Prep Batch: N/A
Units: SU

Leachate Batch: 720-78067

Instrument ID: Orion pH Probe
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH-Soluble	8.37	8.410	0.5	20	



Report for:

Ms. Dimple Sharma
TestAmerica-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Regarding: Project: 720-30285-2
EML ID: 703578

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 09-16-2010

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01264))

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: TestAmerica-San Francisco
 C/O: Ms. Dimple Sharma
 Re: 720-30285-2

Date of Sampling: 09-03-2010
 Date of Receipt: 09-16-2010
 Date of Report: 09-16-2010

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted: 4

Total Samples Analysed: 4

Total Samples with Layer Asbestos Content > 1%: 0

Location: S-1, 720-30285-1

Lab ID-Version‡: 3119436-1

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Good	

Location: S-2, 720-30285-2

Lab ID-Version‡: 3119437-1

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Good	

Location: S-3, 720-30285-3

Lab ID-Version‡: 3119438-1

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Good	

Location: S-4, 720-30285-4

Lab ID-Version‡: 3119439-1

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Good	

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

720-30285-2

Sharma, Dimple

From: Michael Collings [mcollings@pacificstates.net]
Sent: Wednesday, September 15, 2010 10:57 AM
To: Sharma, Dimple
Cc: Bryan Evans
Subject: RE: Files from 720-30285-1 DQ Low PI

Please run the remaining analytical, (CAM 17, Asbestos, PH) on a 3 day TAT.

From: Sharma, Dimple [mailto:dimple.sharma@testamericainc.com]
Sent: Wednesday, September 08, 2010 2:01 PM
To: Bryan Evans; Michael Collings
Subject: Files from 720-30285-1 DQ Low PI

DIMPLE SHARMA

TestAmerica San Francisco
THE LEADER IN ENVIRONMENTAL TESTING



Tel: 925.484.1919
www.testamericainc.com

Reference: [069143]
Attachments: 2

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Login Sample Receipt Check List

Client: Pacific States Environmental

Job Number: 720-30285-2

Login Number: 30285
Creator: Sidhu, Surinder
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	