

ANALYTICAL REPORT

Job Number: 720-18099-2
Job Description: Santa Cruz Rail Line

For:
AMEC Geomatrix Inc.
2101 Webster Street, 12th Floor
Oakland, CA 94612
Attention: Mr. Matt Goerz



Approved for release.
Afsaneh Salimpour
Project Manager I
3/4/2009 3:25 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
03/04/2009

TestAmerica Laboratories, Inc.

TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
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Job Narrative
720-J18099-2

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS Semi VOA

Method(s) 8270C: The following sample(s) was diluted due to the abundance of non-target analytes: SB-96-1.5 (720-18099-5). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-18099-3 Arsenic	SB-95-1.5	74	1.0	mg/Kg	6010B
720-18099-5 Benzo[g,h,i]perylene Arsenic	SB-96-1.5	33 8.9	25 1.0	ug/Kg mg/Kg	8270C 6010B

METHOD SUMMARY

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Description	Lab Location	Method	Preparation Method
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Matrix: Solid

Semivolatile Organic Compounds (GC/MS SIM)	TAL SF	SW846 8270C	
Ultrasonic Extraction	TAL SF		SW846 3550B
Metals (ICP)	TAL SF	SW846 6010B	
Preparation, Metals	TAL SF		SW846 3050B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

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

METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Method	Analyst	Analyst ID
SW846 8270C	Lee, Michael	ML
SW846 6010B	Arndt, Christopher	CA

SAMPLE SUMMARY

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-18099-3	SB-95-1.5	Solid	02/12/2009 1707	02/16/2009 0920
720-18099-5	SB-96-1.5	Solid	02/12/2009 1715	02/16/2009 0920

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Client Sample ID: SB-96-1.5

Lab Sample ID: 720-18099-5

Date Sampled: 02/12/2009 1715

Client Matrix: Solid

Date Received: 02/16/2009 0920

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 720-47183	Instrument ID: Latest Chemstation
Preparation:	3550B	Prep Batch: 720-47160	Lab File ID: 022609021.D
Dilution:	5.0		Initial Weight/Volume: 30.28 g
Date Analyzed:	02/26/2009 1848		Final Weight/Volume: 1 mL
Date Prepared:	02/26/2009 1135		Injection Volume:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		25
Acenaphthene		ND		25
Acenaphthylene		ND		25
Fluorene		ND		25
Phenanthrene		ND		25
Anthracene		ND		25
Benzo[a]anthracene		ND		25
Chrysene		ND		25
Benzo[a]pyrene		ND		25
Benzo[b]fluoranthene		ND		25
Benzo[k]fluoranthene		ND		25
Benzo[g,h,i]perylene		33		25
Indeno[1,2,3-cd]pyrene		ND		25
Fluoranthene		ND		25
Pyrene		ND		25
Dibenz(a,h)anthracene		ND		25
Surrogate		%Rec		Acceptance Limits
2-Fluorobiphenyl		61		33 - 93
Terphenyl-d14		70		35 - 99

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Client Sample ID: SB-95-1.5

Lab Sample ID: 720-18099-3

Date Sampled: 02/12/2009 1707

Client Matrix: Solid

Date Received: 02/16/2009 0920

6010B Metals (ICP)

Method: 6010B

Analysis Batch: 720-47256

Instrument ID:

Varian ICP

Preparation: 3050B

Prep Batch: 720-47236

Lab File ID:

N/A

Dilution: 1.0

Initial Weight/Volume: 0.99 g

Date Analyzed: 03/02/2009 1759

Final Weight/Volume: 50 mL

Date Prepared: 03/02/2009 0920

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		74		1.0

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Client Sample ID: SB-96-1.5

Lab Sample ID: 720-18099-5
Client Matrix: Solid

Date Sampled: 02/12/2009 1715
Date Received: 02/16/2009 0920

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/02/2009 1803
Date Prepared: 03/02/2009 0920

Analysis Batch: 720-47256
Prep Batch: 720-47236

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.99 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Arsenic		8.9		1.0

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-47160					
LCS 720-47160/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 720-47160/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 720-47160/1-A	Method Blank	T	Solid	3550B	
720-18099-5	SB-96-1.5	T	Solid	3550B	
720-18099-5MS	Matrix Spike	T	Solid	3550B	
720-18099-5MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:720-47183					
LCS 720-47160/2-A	Lab Control Spike	T	Solid	8270C	720-47160
LCSD 720-47160/3-A	Lab Control Spike Duplicate	T	Solid	8270C	720-47160
MB 720-47160/1-A	Method Blank	T	Solid	8270C	720-47160
720-18099-5	SB-96-1.5	T	Solid	8270C	720-47160
720-18099-5MS	Matrix Spike	T	Solid	8270C	720-47160
720-18099-5MSD	Matrix Spike Duplicate	T	Solid	8270C	720-47160
Report Basis					
T = Total					
Metals					
Prep Batch: 720-47236					
LCS 720-47236/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-47236/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-47236/25-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-47236/1-A	Method Blank	T	Solid	3050B	
720-18062-A-2-B MS	Matrix Spike	T	Solid	3050B	
720-18062-A-2-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
720-18099-3	SB-95-1.5	T	Solid	3050B	
720-18099-5	SB-96-1.5	T	Solid	3050B	
Analysis Batch:720-47256					
LCS 720-47236/2-A	Lab Control Spike	T	Solid	6010B	720-47236
LCSD 720-47236/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-47236
LCSSRM 720-47236/25-A	LCS-Standard Reference Material	T	Solid	6010B	720-47236
MB 720-47236/1-A	Method Blank	T	Solid	6010B	720-47236
720-18062-A-2-B MS	Matrix Spike	T	Solid	6010B	720-47236
720-18062-A-2-C MSD	Matrix Spike Duplicate	T	Solid	6010B	720-47236
720-18099-3	SB-95-1.5	T	Solid	6010B	720-47236
720-18099-5	SB-96-1.5	T	Solid	6010B	720-47236
Report Basis					
T = Total					

TestAmerica San Francisco

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Method Blank - Batch: 720-47160

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 720-47160/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/26/2009 1827
Date Prepared: 02/26/2009 1135

Analysis Batch: 720-47183
Prep Batch: 720-47160
Units: ug/Kg

Instrument ID: Latest Chemstation
Lab File ID: 022609020.D
Initial Weight/Volume: 30.37 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
Naphthalene	ND		4.9
Acenaphthene	ND		4.9
Acenaphthylene	ND		4.9
Fluorene	ND		4.9
Phenanthrene	ND		4.9
Anthracene	ND		4.9
Benzo[a]anthracene	ND		4.9
Chrysene	ND		4.9
Benzo[a]pyrene	ND		4.9
Benzo[b]fluoranthene	ND		4.9
Benzo[k]fluoranthene	ND		4.9
Benzo[g,h,i]perylene	ND		4.9
Indeno[1,2,3-cd]pyrene	ND		4.9
Fluoranthene	ND		4.9
Pyrene	ND		4.9
Dibenz(a,h)anthracene	ND		4.9
Surrogate	% Rec	Acceptance Limits	
2-Fluorobiphenyl	66	33 - 93	
Terphenyl-d14	72	35 - 99	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-47160**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-47160/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/26/2009 1744
Date Prepared: 02/26/2009 1135

Analysis Batch: 720-47183
Prep Batch: 720-47160
Units: ug/Kg

Instrument ID: Latest Chemstation
Lab File ID: 022609018.D
Initial Weight/Volume: 30.43 g
Final Weight/Volume: 1 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 720-47160/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/26/2009 1805
Date Prepared: 02/26/2009 1135

Analysis Batch: 720-47183
Prep Batch: 720-47160
Units: ug/Kg

Instrument ID: Latest Chemstation
Lab File ID: 022609019.D
Initial Weight/Volume: 30.24 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Naphthalene	61	62	46 - 85	1	20		
Acenaphthene	66	67	49 - 88	2	20		
Acenaphthylene	76	76	52 - 89	1	20		
Fluorene	67	68	52 - 92	3	20		
Phenanthrene	86	88	57 - 103	3	20		
Anthracene	78	79	52 - 87	2	20		
Benzo[a]anthracene	70	68	52 - 96	1	20		
Chrysene	72	75	54 - 96	5	20		
Benzo[a]pyrene	73	75	54 - 96	3	20		
Benzo[b]fluoranthene	88	88	51 - 105	1	20		
Benzo[k]fluoranthene	73	76	56 - 101	6	20		
Benzo[g,h,i]perylene	68	70	48 - 101	2	20		
Indeno[1,2,3-cd]pyrene	71	72	48 - 105	2	20		
Fluoranthene	90	91	57 - 95	1	20		
Pyrene	83	85	53 - 95	2	20		
Dibenz(a,h)anthracene	69	70	50 - 104	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
2-Fluorobiphenyl	71		71		33 - 93		
Terphenyl-d14	77		79		35 - 99		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 720-47160**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 720-47160/2-A Units: ug/Kg
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 02/26/2009 1744
 Date Prepared: 02/26/2009 1135

LCSD Lab Sample ID: LCSD 720-47160/3-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 02/26/2009 1805
 Date Prepared: 02/26/2009 1135

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Naphthalene	329	331	202	204
Acenaphthene	329	331	217	221
Acenaphthylene	329	331	249	251
Fluorene	329	331	219	226
Phenanthrene	329	331	283	291
Anthracene	329	331	258	263
Benzo[a]anthracene	329	331	229	226
Chrysene	329	331	237	249
Benzo[a]pyrene	329	331	239	248
Benzo[b]fluoranthene	329	331	289	292
Benzo[k]fluoranthene	329	331	239	253
Benzo[g,h,i]perylene	329	331	225	231
Indeno[1,2,3-cd]pyrene	329	331	233	237
Fluoranthene	329	331	297	300
Pyrene	329	331	274	280
Dibenz(a,h)anthracene	329	331	226	230

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-47160**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 720-18099-5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/26/2009 1910
Date Prepared: 02/26/2009 1135

Analysis Batch: 720-47183
Prep Batch: 720-47160

Instrument ID: Latest Chemstation
Lab File ID: 022609022.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 1 mL
Injection Volume:

MSD Lab Sample ID: 720-18099-5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/26/2009 1932
Date Prepared: 02/26/2009 1135

Analysis Batch: 720-47183
Prep Batch: 720-47160

Instrument ID: Latest Chemstation
Lab File ID: 022609023.D
Initial Weight/Volume: 30.39 g
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Naphthalene	57	55	32 - 88	4	20		
Acenaphthene	61	60	33 - 97	2	20		
Acenaphthylene	66	66	28 - 104	0	20		
Fluorene	57	57	35 - 99	1	20		
Phenanthrene	68	64	28 - 103	6	20		
Anthracene	64	63	36 - 99	3	20		
Benzo[a]anthracene	67	64	29 - 115	5	20		
Chrysene	55	56	29 - 116	1	20		
Benzo[a]pyrene	66	69	24 - 118	3	20		
Benzo[b]fluoranthene	59	69	17 - 132	14	20		
Benzo[k]fluoranthene	59	61	35 - 109	2	20		
Benzo[g,h,i]perylene	62	63	21 - 118	0	20		
Indeno[1,2,3-cd]pyrene	62	63	20 - 126	1	20		
Fluoranthene	71	68	24 - 120	5	20		
Pyrene	74	73	24 - 123	2	20		
Dibenz(a,h)anthracene	63	64	36 - 104	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	62	62	33 - 93
Terphenyl-d14	69	70	35 - 99

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

**Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 720-47160**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 720-18099-5 Units: ug/Kg
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/26/2009 1910
Date Prepared: 02/26/2009 1135

MSD Lab Sample ID: 720-18099-5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 02/26/2009 1932
Date Prepared: 02/26/2009 1135

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Naphthalene	ND	332	329	189	181
Acenaphthene	ND	332	329	201	197
Acenaphthylene	ND	332	329	226	225
Fluorene	ND	332	329	189	188
Phenanthrene	ND	332	329	236	221
Anthracene	ND	332	329	229	222
Benzo[a]anthracene	ND	332	329	235	224
Chrysene	ND	332	329	199	201
Benzo[a]pyrene	ND	332	329	232	240
Benzo[b]fluoranthene	ND	332	329	219	251
Benzo[k]fluoranthene	ND	332	329	210	213
Benzo[g,h,i]perylene	33	332	329	240	241
Indeno[1,2,3-cd]pyrene	ND	332	329	221	223
Fluoranthene	ND	332	329	252	240
Pyrene	ND	332	329	265	259
Dibenz(a,h)anthracene	ND	332	329	209	212

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Method Blank - Batch: 720-47236

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-47236/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1732
Date Prepared: 03/02/2009 0920

Analysis Batch: 720-47256
Prep Batch: 720-47236
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	ND		1.0

LCS-Standard Reference Material - Batch:

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCSSRM 720-47236/25-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1925
Date Prepared: 03/02/2009 0920

Analysis Batch: 720-47256
Prep Batch: 720-47236
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.98 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	22.7	20.9	92	69 - 119	

Lab Control Spike/

Lab Control Spike Duplicate Recovery Report - Batch: 720-47236

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-47236/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1736
Date Prepared: 03/02/2009 0920

Analysis Batch: 720-47256
Prep Batch: 720-47236
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-47236/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1740
Date Prepared: 03/02/2009 0920

Analysis Batch: 720-47256
Prep Batch: 720-47236
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	102	102	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 720-47236**

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

LCS Lab Sample ID: LCS 720-47236/2-A Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1736
Date Prepared: 03/02/2009 0920

LCSD Lab Sample ID: LCSD 720-47236/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1740
Date Prepared: 03/02/2009 0920

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	190	192	194	196

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-47236**

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

MS Lab Sample ID: 720-18062-A-2-B MS Analysis Batch: 720-47256
Client Matrix: Solid Prep Batch: 720-47236
Dilution: 1.0
Date Analyzed: 03/02/2009 1744
Date Prepared: 03/02/2009 0920

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-18062-A-2-C MSD Analysis Batch: 720-47256
Client Matrix: Solid Prep Batch: 720-47236
Dilution: 1.0
Date Analyzed: 03/02/2009 1748
Date Prepared: 03/02/2009 0920

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.97 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	92	93	75 - 125	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

**Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 720-47236**

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

MS Lab Sample ID: 720-18062-A-2-B MS Units:mg/Kg
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1744
Date Prepared: 03/02/2009 0920

MSD Lab Sample ID: 720-18062-A-2-C MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/02/2009 1748
Date Prepared: 03/02/2009 0920

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	4.7	206	206	194	196

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-18099-2

Sharma, Dimple

From: Klitzke, Tiffany [Tiffany.Klitzke@amec.com]
Sent: Wednesday, February 25, 2009 4:59 PM
To: Sharma, Dimple
Cc: Salimpour, Afsaneh; Goerz, Matt
Subject: request to remove samples from hold

Hi Dimple,

In addition to my earlier request I would like to take the following samples off of hold:

From Job #720-18061-1, please analyze the following samples for arsenic by 6010:

SB-71-1.5

SB-71-4.5

SB-72-1.5

SB-72-4.5

From Job #720-18062-1, please analyze SB-73-1.5 and SB-73-4.5 for arsenic by 6010.

From Job #720-18099-1, please analyze SB-95-1.5 for arsenic. Also, analyze SB-96-1.5 for PAHs by 82 and for arsenic.

Thanks!

Tiffany Klitzke Staff Geologist

AMEC Geomatrix 2101 Webster St., 12th Fl. Oakland, CA 94612

510.663.4144 (direct) | 510.663.4141 (fax) | Tiffany.Klitzke@amec.com

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Login Sample Receipt Check List

Client: AMEC Geomatrix Inc.

Job Number: 720-18099-2

Login Number: 18099

Creator: Mullen, Joan

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	
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	
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	

