

## ANALYTICAL REPORT

Job Number: 280-19786-1

Job Description: Environ - NERT Site, Henderson, Nevada

For:  
ENVIRON International Corp.  
1702 E. Highland Avenue Suite 412  
Phoenix, AZ 85016  
Attention: Mr. John Pekala



Approved for release.  
Joseph J Egly  
Project Manager I  
9/9/2011 11:01 AM

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Joseph J Egly  
Project Manager I  
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09/09/2011

cc: Mr. Dan Clark  
Emily Weissinger

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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## CASE NARRATIVE

**Client: ENVIRON International Corp.**

**Project: Environ - NERT Site, Henderson, Nevada**

**Report Number: 280-19786-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### **RECEIPT**

The samples were received on 09/01/2011; the samples arrived in good condition, properly preserved, and on ice. The temperature of the coolers at receipt was 1.1°C.

### **SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM)**

Sample CS-D31A-1 (280-19786-1) was analyzed for Semivolatile organic compounds - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8270C SIM. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the SIM analysis.

All quality control parameters were within the acceptance limits.

### **ORGANOPHOSPHORUS PESTICIDES**

Sample CS-D31A-1 (280-19786-1) was analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8081A. The samples were analyzed on 09/06/2011.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for CS-D31A-1 (280-19786-1).

Sample CS-D31A-1 (280-19786-1) [10X] required dilution prior to analysis due to the sample matrix. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

### **TOTAL METALS**

Sample CS-D31A-1 (280-19786-1) was analyzed for total metals in accordance with EPA SW-846 Method 6020. The samples were analyzed on 09/06/2011.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

### **PERCENT SOLIDS**

Sample CS-D31A-1 (280-19786-1) was analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 09/02/2011.

Percent Moisture exceeded the %RPD limit for the duplicate of sample 280-19733-23 due to non homogeneity of the sample.

No other difficulties were encountered during the % solids analysis.

All other quality control parameters were within the acceptance limits.

## EXECUTIVE SUMMARY - Detections

Client: ENVIRON International Corp.

Job Number: 280-19786-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-19786-1	CS-D31A-1					
beta-BHC		4.3		1.8	ug/Kg	8081A
Hexachlorobenzene		140		18	ug/Kg	8081A
Arsenic		8.1		0.59	mg/Kg	6020
Percent Moisture		5.9		0.10	%	Moisture

## METHOD SUMMARY

Client: ENVIRON International Corp.

Job Number: 280-19786-1

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Solid</b>			
Semivolatile Organic Compounds (GC/MS SIM) Microwave Extraction	TAL DEN	SW846 8270C SIM	SW846 3546
Organochlorine Pesticides (GC) Microwave Extraction	TAL DEN	SW846 8081A	SW846 3546
Metals (ICP/MS) Preparation, Metals	TAL DEN	SW846 6020	SW846 3050B
Percent Moisture	TAL DEN	EPA Moisture	

### Lab References:

TAL DEN = TestAmerica Denver

### Method References:

EPA = US Environmental Protection Agency

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

## METHOD / ANALYST SUMMARY

Client: ENVIRON International Corp.

Job Number: 280-19786-1

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
SW846 8270C SIM	Ilczynsyn, Dennis P	DPI
SW846 8081A	Ream, Brian E	BER
SW846 6020	Lill, Thomas E	TEL
EPA Moisture	Berry III, Paul B	PBB

## SAMPLE SUMMARY

Client: ENVIRON International Corp.

Job Number: 280-19786-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
280-19786-1	CS-D31A-1	Solid	08/31/2011 1055	09/01/2011 0900

# **SAMPLE RESULTS**



**Analytical Data**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Client Sample ID: CS-D31A-1**

Lab Sample ID: 280-19786-1

Date Sampled: 08/31/2011 1055

Client Matrix: Solid

% Moisture: 5.9

Date Received: 09/01/2011 0900

**8270C SIM Semivolatile Organic Compounds (GC/MS SIM)**

Analysis Method:	8270C SIM	Analysis Batch:	280-84749	Instrument ID:	MSS_F
Prep Method:	3546	Prep Batch:	280-84223	Lab File ID:	F0849.D
Dilution:	1.0			Initial Weight/Volume:	31.8 g
Analysis Date:	09/06/2011 1655			Final Weight/Volume:	1000 uL
Prep Date:	09/01/2011 2115			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ng/Kg)	Qualifier	MDL	RL
Benzo[b]fluoranthene		ND		1200	5000
Benzo[a]pyrene		ND		740	5000
Benzo[a]anthracene		ND		900	5000
Benzo[k]fluoranthene		ND		1000	5000
Benzo[g,h,i]perylene		ND		1100	5000
Phenanthrene		ND		1100	5000
Anthracene		ND		720	5000
Dibenz(a,h)anthracene		ND		1300	5000
Chrysene		ND		1000	5000
Acenaphthene		ND		160	5000
Acenaphthylene		ND		170	5000
Fluoranthene		ND		1000	5000
Fluorene		ND		470	5000
Pyrene		ND		1100	5000
Indeno[1,2,3-cd]pyrene		ND		1100	5000
1-Methylnaphthalene		ND		260	5000
2-Methylnaphthalene		ND		310	5000
Naphthalene		ND		330	5000

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	83		39 - 120
Nitrobenzene-d5	91		42 - 120
Terphenyl-d14	74		35 - 120

**Analytical Data**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Client Sample ID: CS-D31A-1**

Lab Sample ID: 280-19786-1

Date Sampled: 08/31/2011 1055

Client Matrix: Solid

% Moisture: 5.9

Date Received: 09/01/2011 0900

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	280-84838	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-84212	Initial Weight/Volume:	30.4 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	09/06/2011 1306			Injection Volume:	1 uL
Prep Date:	09/01/2011 2145			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		ND		0.57	1.8
4,4'-DDE		ND		0.25	1.8
4,4'-DDT		ND		0.62	1.8
Aldrin		ND		0.26	1.8
alpha-BHC		ND		0.22	1.8
beta-BHC		4.3		0.70	1.8
delta-BHC		ND		0.42	1.8
gamma-BHC (Lindane)		ND		0.49	1.8
Heptachlor		ND		0.22	1.8
Heptachlor epoxide		ND		0.45	1.8
Endosulfan I		ND		0.18	1.8
Endosulfan II		ND		0.30	1.8
Endosulfan sulfate		ND		0.29	1.8
Endrin		ND		0.32	1.8
Endrin aldehyde		ND		0.18	1.8
Endrin ketone		ND		0.51	1.8
gamma-Chlordane		ND		0.28	1.8
Methoxychlor		ND		0.47	3.5
alpha-Chlordane		ND		0.34	1.8
Dieldrin		ND		0.22	1.8
Toxaphene		ND		17	70
<hr/>					
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		95		59 - 115	
DCB Decachlorobiphenyl		100		63 - 124	

**Analytical Data**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Client Sample ID: CS-D31A-1**

Lab Sample ID: 280-19786-1

Date Sampled: 08/31/2011 1055

Client Matrix: Solid

% Moisture: 5.9

Date Received: 09/01/2011 0900

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**8081A Organochlorine Pesticides (GC)**

Analysis Method: 8081A

Analysis Batch: 280-84838

Instrument ID: GCS\_P1

Prep Method: 3546

Prep Batch: 280-84212

Initial Weight/Volume: 30.4 g

Dilution: 1.0

Final Weight/Volume: 10000 uL

Analysis Date: 09/06/2011 1306

Injection Volume: 1 uL

Prep Date: 09/01/2011 2145

Result Type: SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		59 - 115
DCB Decachlorobiphenyl	106		63 - 124

**Analytical Data**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Client Sample ID: CS-D31A-1**

Lab Sample ID: 280-19786-1

Date Sampled: 08/31/2011 1055

Client Matrix: Solid

% Moisture: 5.9

Date Received: 09/01/2011 0900

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**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	280-84838	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-84212	Initial Weight/Volume:	30.4 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	09/06/2011 1356	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	09/01/2011 2145			Result Type:	PRIMARY

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Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobenzene		140		2.9	18

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Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110	D	59 - 115
DCB Decachlorobiphenyl	46	D	63 - 124

**Analytical Data**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Client Sample ID: CS-D31A-1**

Lab Sample ID: 280-19786-1

Date Sampled: 08/31/2011 1055

Client Matrix: Solid

% Moisture: 5.9

Date Received: 09/01/2011 0900

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**8081A Organochlorine Pesticides (GC)**

Analysis Method: 8081A

Analysis Batch: 280-84838

Instrument ID: GCS\_P1

Prep Method: 3546

Prep Batch: 280-84212

Initial Weight/Volume: 30.4 g

Dilution: 10

Final Weight/Volume: 10000 uL

Analysis Date: 09/06/2011 1356

Run Type: DL

Injection Volume: 1 uL

Prep Date: 09/01/2011 2145

Result Type: SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	112	D	59 - 115
DCB Decachlorobiphenyl	19	D	63 - 124

**Analytical Data**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Client Sample ID: CS-D31A-1**

Lab Sample ID: 280-19786-1

Date Sampled: 08/31/2011 1055

Client Matrix: Solid

% Moisture: 5.9

Date Received: 09/01/2011 0900

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**6020 Metals (ICP/MS)**

Analysis Method: 6020

Analysis Batch: 280-84779

Instrument ID: MT\_024

Prep Method: 3050B

Prep Batch: 280-84272

Lab File ID: 020AREF.D

Dilution: 1.0

Initial Weight/Volume: 1.08 g

Analysis Date: 09/06/2011 1448

Final Weight/Volume: 100 mL

Prep Date: 09/02/2011 1400

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Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		8.1		0.050	0.59

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Client: ENVIRON International Corp.

Job Number: 280-19786-1

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General Chemistry

Client Sample ID: CS-D31A-1

Lab Sample ID: 280-19786-1

Client Matrix: Solid

Date Sampled: 08/31/2011 1055

Date Received: 09/01/2011 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.9		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-84370		Analysis Date: 09/02/2011 1209				DryWt Corrected: N

## DATA REPORTING QUALIFIERS

Client: ENVIRON International Corp.

Job Number: 280-19786-1

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC Semi VOA	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.



# QUALITY CONTROL RESULTS

## Quality Control Results

Client: ENVIRON International Corp.

Job Number: 280-19786-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS Semi VOA</b>					
<b>Prep Batch: 280-84223</b>					
LCS 280-84223/2-A	Lab Control Sample	T	Solid	3546	
MB 280-84223/1-A	Method Blank	T	Solid	3546	
280-19786-1	CS-D31A-1	T	Solid	3546	
280-19786-1MS	Matrix Spike	T	Solid	3546	
280-19786-1MSD	Matrix Spike Duplicate	T	Solid	3546	
<b>Analysis Batch:280-84749</b>					
LCS 280-84223/2-A	Lab Control Sample	T	Solid	8270C SIM	280-84223
MB 280-84223/1-A	Method Blank	T	Solid	8270C SIM	280-84223
280-19786-1	CS-D31A-1	T	Solid	8270C SIM	280-84223
280-19786-1MS	Matrix Spike	T	Solid	8270C SIM	280-84223
280-19786-1MSD	Matrix Spike Duplicate	T	Solid	8270C SIM	280-84223

**Report Basis**

T = Total

**GC Semi VOA**

<b>Prep Batch: 280-84212</b>					
LCS 280-84212/2-A	Lab Control Sample	T	Solid	3546	
MB 280-84212/1-A	Method Blank	T	Solid	3546	
280-19786-1	CS-D31A-1	T	Solid	3546	
280-19786-1DL	CS-D31A-1	T	Solid	3546	
280-19786-1MS	Matrix Spike	T	Solid	3546	
280-19786-1MSD	Matrix Spike Duplicate	T	Solid	3546	
<b>Analysis Batch:280-84838</b>					
LCS 280-84212/2-A	Lab Control Sample	T	Solid	8081A	280-84212
MB 280-84212/1-A	Method Blank	T	Solid	8081A	280-84212
280-19786-1	CS-D31A-1	T	Solid	8081A	280-84212
280-19786-1DL	CS-D31A-1	T	Solid	8081A	280-84212
280-19786-1MS	Matrix Spike	T	Solid	8081A	280-84212
280-19786-1MSD	Matrix Spike Duplicate	T	Solid	8081A	280-84212

**Report Basis**

T = Total

## Quality Control Results

Client: ENVIRON International Corp.

Job Number: 280-19786-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Prep Batch: 280-84272</b>					
LCS 280-84272/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-84272/1-A	Method Blank	T	Solid	3050B	
280-19786-1	CS-D31A-1	T	Solid	3050B	
280-19786-1MS	Matrix Spike	T	Solid	3050B	
280-19786-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
<b>Analysis Batch:280-84779</b>					
LCS 280-84272/2-A	Lab Control Sample	T	Solid	6020	280-84272
MB 280-84272/1-A	Method Blank	T	Solid	6020	280-84272
280-19786-1	CS-D31A-1	T	Solid	6020	280-84272
280-19786-1MS	Matrix Spike	T	Solid	6020	280-84272
280-19786-1MSD	Matrix Spike Duplicate	T	Solid	6020	280-84272

**Report Basis**

T = Total

**General Chemistry**

<b>Analysis Batch:280-84370</b>					
280-19786-1	CS-D31A-1	T	Solid	Moisture	

**Report Basis**

T = Total

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Surrogate Recovery Report**

**8270C SIM Semivolatile Organic Compounds (GC/MS SIM)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
280-19786-1	CS-D31A-1	83	91	74
MB 280-84223/1-A		85	96	91
LCS 280-84223/2-A		79	87	86
280-19786-1 MS	CS-D31A-1 MS	86	95	77
280-19786-1 MSD	CS-D31A-1 MSD	75	85	72

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	39-120
NBZ = Nitrobenzene-d5	42-120
TPH = Terphenyl-d14	35-120

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Surrogate Recovery Report**

**8081A Organochlorine Pesticides (GC)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-19786-1	CS-D31A-1	95	99	100	106
280-19786-1 DL	CS-D31A-1 DL	110D	112D	46D	19D
MB 280-84212/1-A		94	102	103	108
LCS 280-84212/2-A		94	102	102	110
280-19786-1 MS	CS-D31A-1 MS	89	93	96	106
280-19786-1 MSD	CS-D31A-1 MSD	88	92	94	101

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	59-115
DCB = DCB Decachlorobiphenyl	63-124

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Method Blank - Batch: 280-84223**

**Method: 8270C SIM**

**Preparation: 3546**

Lab Sample ID: MB 280-84223/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 09/06/2011 1036  
 Prep Date: 09/01/2011 2115  
 Leach Date: N/A

Analysis Batch: 280-84749  
 Prep Batch: 280-84223  
 Leach Batch: N/A  
 Units: ng/Kg

Instrument ID: MSS\_F  
 Lab File ID: F0836.D  
 Initial Weight/Volume: 31.8 g  
 Final Weight/Volume: 1000 uL  
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Benzo[b]fluoranthene	ND		1100	4700
Benzo[a]pyrene	ND		700	4700
Benzo[a]anthracene	ND		850	4700
Benzo[k]fluoranthene	ND		940	4700
Benzo[g,h,i]perylene	ND		1000	4700
Phenanthrene	ND		1000	4700
Anthracene	ND		680	4700
Dibenz(a,h)anthracene	ND		1200	4700
Chrysene	ND		940	4700
Acenaphthene	ND		150	4700
Acenaphthylene	ND		160	4700
Fluoranthene	ND		940	4700
Fluorene	ND		440	4700
Pyrene	ND		1000	4700
Indeno[1,2,3-cd]pyrene	ND		1000	4700
1-Methylnaphthalene	ND		250	4700
2-Methylnaphthalene	ND		290	4700
Naphthalene	ND		310	4700

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	85	39 - 120
Nitrobenzene-d5	96	42 - 120
Terphenyl-d14	91	35 - 120

## Quality Control Results

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Lab Control Sample - Batch: 280-84223**

**Method: 8270C SIM**

**Preparation: 3546**

Lab Sample ID: LCS 280-84223/2-A	Analysis Batch: 280-84749	Instrument ID: MSS_F
Client Matrix: Solid	Prep Batch: 280-84223	Lab File ID: F0837.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 31.8 g
Analysis Date: 09/06/2011 1105	Units: ng/Kg	Final Weight/Volume: 1000 uL
Prep Date: 09/01/2011 2115		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[b]fluoranthene	28300	27700	98	37 - 120	
Benzo[a]pyrene	28300	26700	94	20 - 120	
Benzo[a]anthracene	28300	27800	98	36 - 120	
Benzo[k]fluoranthene	28300	27300	97	46 - 120	
Benzo[g,h,i]perylene	28300	25700	91	20 - 123	
Phenanthrene	28300	26200	92	44 - 120	
Anthracene	28300	25700	91	43 - 120	
Dibenz(a,h)anthracene	28300	24600	87	20 - 120	
Chrysene	28300	27500	97	34 - 120	
Acenaphthene	28300	22800	81	35 - 120	
Acenaphthylene	28300	23600	83	41 - 120	
Fluoranthene	28300	29200	103	45 - 120	
Fluorene	28300	22700	80	44 - 120	
Pyrene	28300	28400	100	43 - 120	
Indeno[1,2,3-cd]pyrene	28300	25300	89	20 - 127	
Naphthalene	28300	22600	80	44 - 120	
Surrogate		% Rec		Acceptance Limits	
2-Fluorobiphenyl		79		39 - 120	
Nitrobenzene-d5		87		42 - 120	
Terphenyl-d14		86		35 - 120	

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 280-84223**

**Method: 8270C SIM  
Preparation: 3546**

MS Lab Sample ID: 280-19786-1	Analysis Batch: 280-84749	Instrument ID: MSS_F
Client Matrix: Solid	Prep Batch: 280-84223	Lab File ID: F0850.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 31.7 g
Analysis Date: 09/06/2011 1724		Final Weight/Volume: 1000 uL
Prep Date: 09/01/2011 2115		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 280-19786-1	Analysis Batch: 280-84749	Instrument ID: MSS_F
Client Matrix: Solid	Prep Batch: 280-84223	Lab File ID: F0851.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 30.5 g
Analysis Date: 09/06/2011 1753		Final Weight/Volume: 1000 uL
Prep Date: 09/01/2011 2115		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[b]fluoranthene	93	87	37 - 120	3	28		
Benzo[a]pyrene	90	84	20 - 120	3	30		
Benzo[a]anthracene	94	86	36 - 120	4	40		
Benzo[k]fluoranthene	91	85	46 - 120	3	28		
Benzo[g,h,i]perylene	81	77	20 - 123	1	30		
Phenanthrene	91	82	44 - 120	6	42		
Anthracene	89	81	43 - 120	5	50		
Dibenz(a,h)anthracene	81	77	20 - 120	1	25		
Chrysene	91	85	34 - 120	3	41		
Acenaphthene	86	79	35 - 120	5	50		
Acenaphthylene	95	84	41 - 120	9	50		
Fluoranthene	94	90	45 - 120	1	30		
Fluorene	89	79	44 - 120	7	50		
Pyrene	93	87	43 - 120	3	30		
Indeno[1,2,3-cd]pyrene	83	78	20 - 127	3	50		
Naphthalene	87	80	44 - 120	5	50		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
2-Fluorobiphenyl		86	75			39 - 120	
Nitrobenzene-d5		95	85			42 - 120	
Terphenyl-d14		77	72			35 - 120	



**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 280-84223**

**Method: 8270C SIM  
Preparation: 3546**

MS Lab Sample ID: 280-19786-1                      Units: ng/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 09/06/2011 1724  
 Prep Date: 09/01/2011 2115  
 Leach Date: N/A

MSD Lab Sample ID: 280-19786-1  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 09/06/2011 1753  
 Prep Date: 09/01/2011 2115  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzo[b]fluoranthene	ND	30200	31300	28100	27400
Benzo[a]pyrene	ND	30200	31300	27100	26400
Benzo[a]anthracene	ND	30200	31300	28200	27100
Benzo[k]fluoranthene	ND	30200	31300	27600	26700
Benzo[g,h,i]perylene	ND	30200	31300	24400	24100
Phenanthrene	ND	30200	31300	27400	25800
Anthracene	ND	30200	31300	26900	25500
Dibenz(a,h)anthracene	ND	30200	31300	24400	24100
Chrysene	ND	30200	31300	27300	26500
Acenaphthene	ND	30200	31300	26000	24700
Acenaphthylene	ND	30200	31300	28500	26200
Fluoranthene	ND	30200	31300	28300	28100
Fluorene	ND	30200	31300	26800	24900
Pyrene	ND	30200	31300	27900	27200
Indeno[1,2,3-cd]pyrene	ND	30200	31300	25000	24400
Naphthalene	ND	30200	31300	26300	24900

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Method Blank - Batch: 280-84212**

**Method: 8081A  
Preparation: 3546**

Lab Sample ID: MB 280-84212/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 09/06/2011 1412  
 Prep Date: 09/01/2011 2145  
 Leach Date: N/A

Analysis Batch: 280-84838  
 Prep Batch: 280-84212  
 Leach Batch: N/A  
 Units: ug/Kg

Instrument ID: GCS\_P1  
 Lab File ID: 012F1201.D  
 Initial Weight/Volume: 31.4 g  
 Final Weight/Volume: 10000 uL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		0.52	1.6
4,4'-DDE	ND		0.23	1.6
4,4'-DDT	ND		0.56	1.6
Aldrin	ND		0.24	1.6
alpha-BHC	ND		0.20	1.6
beta-BHC	ND		0.63	1.6
delta-BHC	ND		0.38	1.6
gamma-BHC (Lindane)	ND		0.44	1.6
Heptachlor	ND		0.20	1.6
Heptachlor epoxide	ND		0.41	1.6
Endosulfan I	ND		0.17	1.6
Endosulfan II	ND		0.27	1.6
Endosulfan sulfate	ND		0.26	1.6
Endrin	ND		0.29	1.6
Endrin aldehyde	ND		0.16	1.6
Endrin ketone	ND		0.47	1.6
gamma-Chlordane	ND		0.25	1.6
Methoxychlor	ND		0.43	3.2
alpha-Chlordane	ND		0.31	1.6
Dieldrin	ND		0.20	1.6
Toxaphene	ND		15	64
Hexachlorobenzene	ND		0.27	1.6

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	94	59 - 115
DCB Decachlorobiphenyl	103	63 - 124

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	102	59 - 115
DCB Decachlorobiphenyl	108	63 - 124

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Lab Control Sample - Batch: 280-84212**

**Method: 8081A  
Preparation: 3546**

Lab Sample ID:	LCS 280-84212/2-A	Analysis Batch:	280-84838	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-84212	Lab File ID:	007F0701.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	09/06/2011 1249	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	09/01/2011 2145			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	16.5	15.6	95	57 - 118	
4,4'-DDE	16.5	15.1	91	61 - 115	
4,4'-DDT	16.5	16.7	101	53 - 125	
Aldrin	16.5	14.9	90	60 - 115	
alpha-BHC	16.5	15.1	92	54 - 115	
beta-BHC	16.5	15.3	93	58 - 115	
delta-BHC	16.5	15.0	91	62 - 115	
gamma-BHC (Lindane)	16.5	14.9	90	59 - 115	
Heptachlor	16.5	15.0	91	61 - 115	
Heptachlor epoxide	16.5	14.7	89	62 - 112	
Endosulfan I	16.5	14.7	89	55 - 115	
Endosulfan II	16.5	15.5	94	60 - 115	
Endosulfan sulfate	16.5	14.6	88	58 - 118	
Endrin	16.5	17.1	104	61 - 121	
Endrin aldehyde	16.5	13.4	81	54 - 115	
Endrin ketone	16.5	14.4	87	61 - 118	
gamma-Chlordane	16.5	14.7	89	60 - 115	
Methoxychlor	16.5	16.4	99	52 - 123	
alpha-Chlordane	16.5	14.8	89	60 - 115	
Dieldrin	16.5	15.3	93	63 - 117	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		94		59 - 115	
DCB Decachlorobiphenyl		102		63 - 124	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		102		59 - 115	
DCB Decachlorobiphenyl		110		63 - 124	

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 280-84212**

**Method: 8081A  
Preparation: 3546**

MS Lab Sample ID: 280-19786-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1322  
Prep Date: 09/01/2011 2145  
Leach Date: N/A

Analysis Batch: 280-84838  
Prep Batch: 280-84212  
Leach Batch: N/A

Instrument ID: GCS\_P1  
Lab File ID: 009F0901.D  
Initial Weight/Volume: 30.5 g  
Final Weight/Volume: 10000 uL  
Injection Volume: 1 uL  
Column ID: PRIMARY

MSD Lab Sample ID: 280-19786-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1339  
Prep Date: 09/01/2011 2145  
Leach Date: N/A

Analysis Batch: 280-84838  
Prep Batch: 280-84212  
Leach Batch: N/A

Instrument ID: GCS\_P1  
Lab File ID: 010F1001.D  
Initial Weight/Volume: 32.2 g  
Final Weight/Volume: 10000 uL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	88	88	57 - 118	6	20		
4,4'-DDE	89	88	61 - 115	6	15		
4,4'-DDT	95	94	53 - 125	7	29		
Aldrin	89	89	60 - 115	5	50		
alpha-BHC	88	88	54 - 115	6	17		
beta-BHC	82	80	58 - 115	6	17		
delta-BHC	96	95	62 - 115	6	19		
gamma-BHC (Lindane)	89	87	59 - 115	8	24		
Heptachlor	99	99	61 - 115	5	18		
Heptachlor epoxide	85	84	62 - 112	6	18		
Endosulfan I	87	87	55 - 115	6	26		
Endosulfan II	91	88	60 - 115	9	20		
Endosulfan sulfate	89	84	58 - 118	11	22		
Endrin	99	98	61 - 121	7	30		
Endrin aldehyde	74	71	54 - 115	10	29		
Endrin ketone	81	79	61 - 118	8	20		
gamma-Chlordane	86	86	60 - 115	6	21		
Methoxychlor	92	86	52 - 123	12	23		
alpha-Chlordane	86	86	60 - 115	6	18		
Dieldrin	87	87	63 - 117	6	25		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	89	88	59 - 115
DCB Decachlorobiphenyl	96	94	63 - 124

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	93	92	59 - 115
DCB Decachlorobiphenyl	106	101	63 - 124

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 280-84212**

**Method: 8081A  
Preparation: 3546**

MS Lab Sample ID: 280-19786-1                      Units: ug/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 09/06/2011 1322  
 Prep Date: 09/01/2011 2145  
 Leach Date: N/A

MSD Lab Sample ID: 280-19786-1  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 09/06/2011 1339  
 Prep Date: 09/01/2011 2145  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	ND	17.4	16.5	15.4	14.5
4,4'-DDE	ND	17.4	16.5	15.4	14.6
4,4'-DDT	ND	17.4	16.5	16.6	15.5
Aldrin	0.72	17.4	16.5	15.6	14.8
alpha-BHC	ND	17.4	16.5	15.3	14.5
beta-BHC	4.3	17.4	16.5	18.7	17.5
delta-BHC	ND	17.4	16.5	16.7	15.7
gamma-BHC (Lindane)	ND	17.4	16.5	15.4	14.3
Heptachlor	ND	17.4	16.5	17.2	16.3
Heptachlor epoxide	ND	17.4	16.5	14.8	13.9
Endosulfan I	ND	17.4	16.5	15.1	14.3
Endosulfan II	ND	17.4	16.5	15.9	14.5
Endosulfan sulfate	ND	17.4	16.5	15.5	13.8
Endrin	ND	17.4	16.5	17.3	16.2
Endrin aldehyde	ND	17.4	16.5	12.9	11.7
Endrin ketone	ND	17.4	16.5	14.2	13.1
gamma-Chlordane	ND	17.4	16.5	15.1	14.1
Methoxychlor	ND	17.4	16.5	16.0	14.2
alpha-Chlordane	ND	17.4	16.5	14.9	14.1
Dieldrin	ND	17.4	16.5	15.2	14.3

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Method Blank - Batch: 280-84272**

**Method: 6020  
Preparation: 3050B**

Lab Sample ID: MB 280-84272/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1442  
Prep Date: 09/02/2011 1400  
Leach Date: N/A

Analysis Batch: 280-84779  
Prep Batch: 280-84272  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: MT\_024  
Lab File ID: 018\_BLK.D  
Initial Weight/Volume: 1 g  
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.051	0.60

**Lab Control Sample - Batch: 280-84272**

**Method: 6020  
Preparation: 3050B**

Lab Sample ID: LCS 280-84272/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1445  
Prep Date: 09/02/2011 1400  
Leach Date: N/A

Analysis Batch: 280-84779  
Prep Batch: 280-84272  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: MT\_024  
Lab File ID: 019\_LCS.D  
Initial Weight/Volume: 1 g  
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	20.2	101	83 - 111	

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 280-84272**

**Method: 6020  
Preparation: 3050B**

MS Lab Sample ID: 280-19786-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1456  
Prep Date: 09/02/2011 1400  
Leach Date: N/A

Analysis Batch: 280-84779  
Prep Batch: 280-84272  
Leach Batch: N/A

Instrument ID: MT\_024  
Lab File ID: 023\_MS.D  
Initial Weight/Volume: 1.01 g  
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 280-19786-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1459  
Prep Date: 09/02/2011 1400  
Leach Date: N/A

Analysis Batch: 280-84779  
Prep Batch: 280-84272  
Leach Batch: N/A

Instrument ID: MT\_024  
Lab File ID: 024\_MSD.D  
Initial Weight/Volume: 1.08 g  
Final Weight/Volume: 100 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	102	105	83 - 111	2	20		

**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 280-84272**

**Method: 6020  
Preparation: 3050B**

MS Lab Sample ID: 280-19786-1                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1456  
Prep Date: 09/02/2011 1400  
Leach Date: N/A

MSD Lab Sample ID: 280-19786-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 09/06/2011 1459  
Prep Date: 09/02/2011 1400  
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	8.1	21.0	19.7	29.4	28.8

## Quality Control Results

Client: ENVIRON International Corp.

Job Number: 280-19786-1

### Laboratory Chronicle

Lab ID: 280-19786-1

Client ID: CS-D31A-1

Sample Date/Time: 08/31/2011 10:55

Received Date/Time: 09/01/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-19786-A-1-G		280-84749	280-84223	09/01/2011 21:15	1	TAL DEN	MRM
A:8270C SIM	280-19786-A-1-G		280-84749	280-84223	09/06/2011 16:55	1	TAL DEN	DPI
P:3546	280-19786-A-1-A		280-84838	280-84212	09/01/2011 21:45	1	TAL DEN	MRM
A:8081A	280-19786-A-1-A		280-84838	280-84212	09/06/2011 13:06	1	TAL DEN	BER
P:3546	280-19786-A-1-A	DL	280-84838	280-84212	09/01/2011 21:45	10	TAL DEN	MRM
A:8081A	280-19786-A-1-A	DL	280-84838	280-84212	09/06/2011 13:56	10	TAL DEN	BER
P:3050B	280-19786-A-1-J		280-84779	280-84272	09/02/2011 14:00	1	TAL DEN	JM
A:6020	280-19786-A-1-J		280-84779	280-84272	09/06/2011 14:48	1	TAL DEN	TEL
A:Moisture	280-19786-A-1		280-84370		09/02/2011 12:09	1	TAL DEN	PBB

Lab ID: 280-19786-1 MS

Client ID: CS-D31A-1

Sample Date/Time: 08/31/2011 10:55

Received Date/Time: 09/01/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-19786-A-1-H MS		280-84749	280-84223	09/01/2011 21:15	1	TAL DEN	MRM
A:8270C SIM	280-19786-A-1-H MS		280-84749	280-84223	09/06/2011 17:24	1	TAL DEN	DPI
P:3546	280-19786-A-1-B MS		280-84838	280-84212	09/01/2011 21:45	1	TAL DEN	MRM
A:8081A	280-19786-A-1-B MS		280-84838	280-84212	09/06/2011 13:22	1	TAL DEN	BER
P:3050B	280-19786-A-1-K MS		280-84779	280-84272	09/02/2011 14:00	1	TAL DEN	JM
A:6020	280-19786-A-1-K MS		280-84779	280-84272	09/06/2011 14:56	1	TAL DEN	TEL

Lab ID: 280-19786-1 MSD

Client ID: CS-D31A-1

Sample Date/Time: 08/31/2011 10:55

Received Date/Time: 09/01/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-19786-A-1-I MSD		280-84749	280-84223	09/01/2011 21:15	1	TAL DEN	MRM
A:8270C SIM	280-19786-A-1-I MSD		280-84749	280-84223	09/06/2011 17:53	1	TAL DEN	DPI
P:3546	280-19786-A-1-C MSD		280-84838	280-84212	09/01/2011 21:45	1	TAL DEN	MRM
A:8081A	280-19786-A-1-C MSD		280-84838	280-84212	09/06/2011 13:39	1	TAL DEN	BER
P:3050B	280-19786-A-1-L MSD		280-84779	280-84272	09/02/2011 14:00	1	TAL DEN	JM
A:6020	280-19786-A-1-L MSD		280-84779	280-84272	09/06/2011 14:59	1	TAL DEN	TEL



**Quality Control Results**

Client: ENVIRON International Corp.

Job Number: 280-19786-1

**Laboratory Chronicle**

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	MB 280-84223/1-A		280-84749	280-84223	09/01/2011 21:15	1	TAL DEN	MRM
A:8270C SIM	MB 280-84223/1-A		280-84749	280-84223	09/06/2011 10:36	1	TAL DEN	DPI
P:3546	MB 280-84212/1-A		280-84838	280-84212	09/01/2011 21:45	1	TAL DEN	MRM
A:8081A	MB 280-84212/1-A		280-84838	280-84212	09/06/2011 14:12	1	TAL DEN	BER
P:3050B	MB 280-84272/1-A		280-84779	280-84272	09/02/2011 14:00	1	TAL DEN	JM
A:6020	MB 280-84272/1-A		280-84779	280-84272	09/06/2011 14:42	1	TAL DEN	TEL

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	LCS 280-84223/2-A		280-84749	280-84223	09/01/2011 21:15	1	TAL DEN	MRM
A:8270C SIM	LCS 280-84223/2-A		280-84749	280-84223	09/06/2011 11:05	1	TAL DEN	DPI
P:3546	LCS 280-84212/2-A		280-84838	280-84212	09/01/2011 21:45	1	TAL DEN	MRM
A:8081A	LCS 280-84212/2-A		280-84838	280-84212	09/06/2011 12:49	1	TAL DEN	BER
P:3050B	LCS 280-84272/2-A		280-84779	280-84272	09/02/2011 14:00	1	TAL DEN	JM
A:6020	LCS 280-84272/2-A		280-84779	280-84272	09/06/2011 14:45	1	TAL DEN	TEL

**Lab References:**

TAL DEN = TestAmerica Denver

# ENVIRON

6001 Shellmound Street, Suite 700  
 Emeryville, California 94608  
 (510) 655-7400  
 (510) 655-9517 (fax)

# CHAIN-OF-CUSTODY

03256

PAGE 1 of 1

PROJECT NAME / FACILITY ID: NERT FIELD PERSON: Dan Clark  
 PROJECT NUMBER: 21-26719 E DATE: 8/31/11 PROJECT MANAGER: John Pekala  
 PROJECT LOCATION: Henderson, NV LABORATORY: Test America Denver

IS THIS A UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: \_\_\_\_\_ WO#: \_\_\_\_\_

SAMPLER:	SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED				COMMENTS
										HC8 8081A	DCP 8081A	PAH 8270 SIM	Arsenic 6020	
CS-D31A-1	<i>D. Clark</i>	2011	8/31	1055	0.5	S	1	U	NO	X	X	X	X	Questions to Dan Clark 510-420-2563
<div style="border: 1px solid black; padding: 5px; display: inline-block;">             Results to Dan Clark,              John Pekala.              dclark@environcorp.com              jpekala@environcorp.com           </div>														
TOTAL			X	X	X	X	1	X	X	X	1	1	1	1

RELINQUISHED BY: *D. Clark* TIME/DATE: 1300 8/31/11  
 RELINQUISHED BY: *John Pekala* TIME/DATE: 1300 8/31/11  
 RELINQUISHED BY: *John Pekala* TIME/DATE: 0900 9/1/11

RECEIVED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_  
 (COMPANY): TA \_\_\_\_\_ TIME/DATE: 8/31/11  
 RECEIVED BY: *John Pekala* TIME/DATE: 0900 9/1/11  
 (COMPANY): Test America TIME/DATE: \_\_\_\_\_

TURNAROUND TIME: \_\_\_\_\_  
 (CIRCLE ONE) 24 HOURS 48 HOURS  
 72 HOURS 5 DAYS NORMAL

IF SEALED, SEAL INTEGRITY: \_\_\_\_\_ INTACT: Y N

8.1.11

## Login Sample Receipt Checklist

Client: ENVIRON International Corp.

Job Number: 280-19786-1

Login Number: 19786

List Source: TestAmerica Denver

List Number: 1

Creator: Philipp, Nicholas A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
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.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	