

APPENDIX A

**SAMPLE COLLECTION LOGS AND
ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS**

SAMPLE COLLECTION LOGS



INTERNATIONAL
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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-D12402-EMAX

Location Code: **IMP-IASPOW-GP01**

Sample Number: **QG0001**

Sample Name: **IMP-IASPOW-GP01-SS-QG0001-REG**

Sampling Method: **DP**

Sample Type: **SS**

Sample Purpose: **REG**

Collection Date: 1/23/02

Collection Time: 1531

Start Depth: 0'

End Depth: 1'

Sample Matrix: **SOIL**

Sample Team: Lenaas / Flippin

QC Partners:

(TB) NA (ER) D12502-EA2 (FB) NA

ERPIMS Values:

Sacode: _____

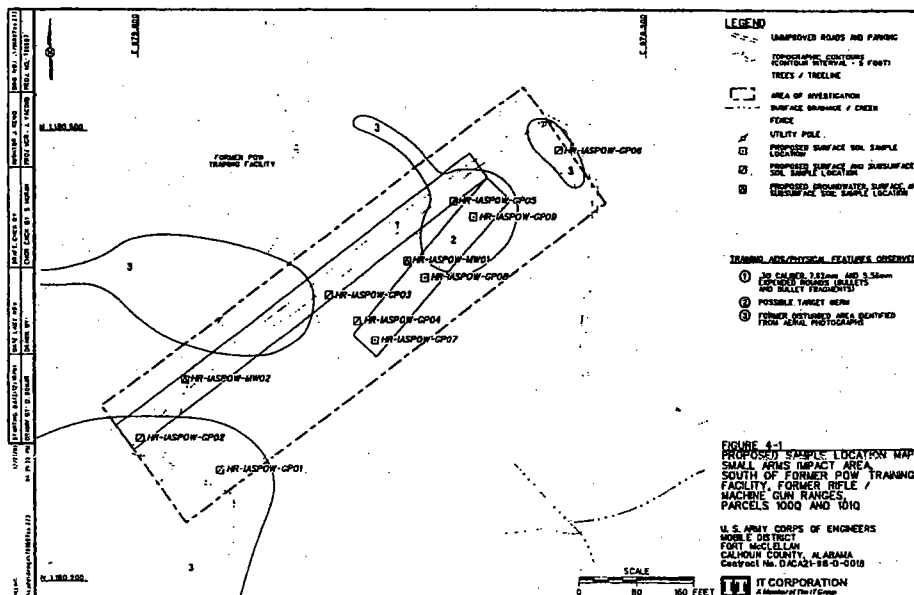
Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

MELAPES	N	3	1	8	oz	CW JAR
STEROAROMAT	N	4	1	8	oz	CW JAR

Comments: PID: 0.0

Sketch Location:



Logged BY / Date: Andy Lenaas 1/23/02

Reviewed BY / Date: Dexa 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-D12402-EMAX

Location Code: IMP-IASPOW-GP01

Collection Date: 1/23/02

Sample Number: QG0002

Collection Time: 1535

Sample Name: IMP-IASPOW-GP01-DS-QG0002-REG

Start Depth: 3'

Sampling Method: DP

End Depth: 4'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Lewas/Flippin

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS N A 1 8 oz CW JAR

NITROAROMATI N A 1 8 oz CW JAR

Comments: PID: 0.0

Sketch Location:

See sample Q60001

Logged BY / Date: Andy Lewas 1/23/01

Reviewed BY / Date: 1-23-02
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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-GP02

Sample Number: QG0003

Sample Name: IMP-IASPOW-GP02-SS-QG0003-REG

Sampling Method: DP

Sample Type: SS

Sample Purpose: REG

Collection Date: 1/23/02

Collection Time: 1547

Start Depth: 0'

End Depth: 1'

Sample Matrix: SOIL

Sample Team: Lavaas / Flippin

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0

Sketch Location:

See sample QG 0001

Logged BY / Date: Cindy Lavaas 1/23/02

Reviewed BY / Date: Dexa 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMV

Location Code: IMP-IASPOW-GP02

Sample Number: QG0004

Sample Name: IMP-IASPOW-GP02-DS-QG0004-REG

Sampling Method: DP

Sample Type: DS

Sample Purpose: REG

Collection Date: 1/23/02

Collection Time: 1550

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Lavaas / Flippin

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR

Comments:

PID: 0.0

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Lavaas 1/23/02

Reviewed BY / Date:

1-23-02
Dexa



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 012502-ER2 IMP-D12402-EMAX

Location Code: IMP-IASPOW-GP03

Sample Number: QG0005

Sample Name: IMP-IASPOW-GP03-SS-QG0005-REG

Sampling Method: DP

Sample Type: SS

Sample Purpose: REG

Collection Date: 1/23/02

Collection Time: 1514

Start Depth: 0'

End Depth: 1'

Sample Matrix: SOIL

Sample Team: Levaas/Flippin

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW JAR
NITROAROMATI	N	A	1	8	oz	CW JAR

Comments: PID: 3.8

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Levaas 1/23/02

Reviewed BY / Date: 00x0 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-GP03

Sample Number: QG0006

Sample Name: IMP-IASPOW-GP03-DS-QG0006-REG

Sampling Method: DP

Sample Type: DS

Sample Purpose: REG

Collection Date: 1/23/02

Collection Time: 1518

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Lavaas / Flippin

QC Partners:

(TB) NA (ER) D12502-EMAX (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers		Size	Units	Type
	Flt	Frtn			

METALS	N	A	1	8	oz	CW-JAR

NITROAROMATI	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Lavaas 1/23/02

Reviewed BY / Date: Dexa 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-102902-EMAX

Location Code: IMP-IASPOW-GP03

Collection Date: 10/29/02

Sample Number: QG0045

Collection Time: 0733

Sample Name: IMP-IASPOW-GP03-DS-QG0045-REG

Start Depth: 4'

Sampling Method: DP

End Depth: 6'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Allan / Leraas

QC Partners:

(TB) NA (ER) 100102-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 sample 0.0 background

Sketch Location:

Logged BY / Date: Andy Leraas 10/29/02 Reviewed BY / Date: [Signature] 10/29/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-102902-EMAX

Location Code: IMP-IASPOW-GP03

Sample Number: QG0046

Sample Name: IMP-IASPOW-GP03-DS-QG0046-FD

Sampling Method: DP

Sample Type: DS

Sample Purpose: FD

Collection Date: 10/29/02

Collection Time: 0733

Start Depth: 4'

End Depth: 6'

Sample Matrix: SOIL

Sample Team: Alan / Levaas

QC Partners:

(TB) NA (ER) 110102-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 sample, 0.0 background

Sketch Location:

Logged BY / Date: Cindy Levaas 10/29/02 Reviewed BY / Date: [Signature] 10/29/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-D12402-EMAX

Location Code: IMP-IASPOW-GP04

Collection Date: 1/24/02

Sample Number: QG0007

Collection Time: 1005

Sample Name: IMP-IASPOW-GP04-SS-QG0007-REG

Start Depth: 0'

Sampling Method: DP

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Lavaas/Flippen

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR
VOLATILES 3	N	B	3	5	g	EnCore
CL HERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR
SEMIVOLATILES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	D	1	8	oz	CW-JAR

Comments: PID: 0.0

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Lavaas 1/24/02

Reviewed BY / Date: Deka 1-24-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAY

Location Code: IMP-IASPOW-GP04

Sample Number: QG0008

Sample Name: IMP-IASPOW-GP04-DS-QG0008-REG

Sampling Method: DP

Sample Type: DS

Sample Purpose: REG

Collection Date: 1/24/02

Collection Time: 1010

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Levaas / Flippen

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR
VOLATILES 3	N	R	3	5	g	EnCure
CLTHERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR
SEMIVOLATILES	N	C	1	8	oz	CW-JAR
GP PESTICIDES	N	D	1	8	oz	CW-JAR

Comments: PID:3.6

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Levaas 1/24/02

Reviewed BY / Date: Deke 1-24-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-GP04

Collection Date: 1/24/02

Sample Number: QG0009

Collection Time: 1010

Sample Name: IMP-IASPOW-GP04-DS-QG0009-FD

Start Depth: 3'

Sampling Method: DP

End Depth: 4'

Sample Type: DS

Sample Purpose: FD

Sample Matrix: SOIL

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

Sample Team: Levaas / Flippin

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N A	1	8	oz	CW JAR
NITROAROMATI	N A	1	8	oz	CW JAR
VOLATILES 3	N B	3	5	g	EnCore
CL HERBICIDES	N C	1	8	oz	CW JAR
CL PESTICIDES	N C	1	8	oz	CW JAR
SEMIVOLATILES	N C	1	8	oz	CW JAR
OP PESTICIDES	N D	1	8	oz	CW JAR

Comments: PID: 3.6 ppm

Sketch Location:

See sample QG0001

Logged BY / Date: Andy Levaas 1/24/02

Reviewed BY / Date: Oxka 1-24-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAY

Location Code: IMP-IASPOW-GP05

Collection Date: 1/23/02

Sample Number: QG0010

Collection Time: 1355

Sample Name: IMP-IASPOW-GP05-SS-QG0010-REG

Start Depth: 0'

Sampling Method: DP

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

QC Partners:

Sample Team: Lenaas / Flippen

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers		Units	Type
	Flt	Frtn Qty		

METALS	N	1	8	oz	CW JAR

NITROAROMAT	N	1	8	oz	CW JAR

Comments: PID 0.0

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Wraes 1/23/02

Reviewed BY / Date: DeKoe 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP - D12402-ENAV

Location Code: **IMP-IASPOW-GP05**

Collection Date: 1/23/02

Sample Number: **QG0011**

Collection Time: 1400

Sample Name: **IMP-IASPOW-GP05-DS-QG0011-REG**

Start Depth: 3'

Sampling Method: **DP**

End Depth: 4'

Sample Type: **DS**

Sample Purpose: **REG**

Sample Matrix: **SOIL**

Sample Team: Lavaas / Flippin

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0

Sketch Location:

See sample QG0001

Logged BY / Date: Andy Lavaas 1/23/02

Reviewed BY / Date: Deka 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-GP06

Collection Date: 1/24/02

Sample Number: QG0012

Collection Time: 0929

Sample Name: IMP-IASPOW-GP06-SS-QG0012-REG

Start Depth: 0'

Sampling Method: DP

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Levaas / Flippen

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type

METALS	N	A	1	8	oz	CW JAR

NITROAROMATI	N	A	1	8	oz	CW JAR

Comments: PID: 19.0

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Levaas 1/24/02

Reviewed BY / Date: DeKoe 1-24-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: **IMP-IASPOW-GP06**

Collection Date: 1/24/02

Sample Number: **QG0013**

Collection Time: 0932

Sample Name: **IMP-IASPOW-GP06-DS-QG0013-REG**

Start Depth: 3'

Sampling Method: **DP**

End Depth: 4'

Sample Type: **DS**

Sample Purpose: **REG**

Sample Matrix: **SOIL**

Sample Team: Lavaas / Flippen

QC Partners:

(TB) WA (ER) 012502-ER2 (FB) WA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers	Flt	Frtn	Qty	Size	Units	Type

METALS-S-	N A T	8	02	CW-JAR

NITROAROMATI	N A T	8	02	CW-JAR

Comments: PID: 6.0

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Lavaas 1/24/02

Reviewed BY / Date: 1-24-02
Doko



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-D12402-EMAX

Location Code: IMP-IASPOW-GP07

Collection Date: 1/23/02

Sample Number: QG0014

Collection Time: 1505

Sample Name: IMP-IASPOW-GP07-SS-QG0014-REG

Start Depth: 0'

Sampling Method: DP

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

Sample Team: Lwaas / Rippan

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR

Comments: PID:0.0

Sketch Location:

See sample QG0001

Logged BY / Date: Cindy Lwaas 1/23/02

Reviewed BY / Date: Dexa 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-GP08

Collection Date: 1/23/02

Sample Number: QG0015

Collection Time: 1450

Sample Name: IMP-IASPOW-GP08-SS-QG0015-REG

Start Depth: 0'

Sampling Method: DP

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Lewaas/Fluppen

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMAT	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0

Sketch Location:

See sample QG0001

Logged BY / Date: andy lewaas 1/23/02

Reviewed BY / Date: Dora 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-D12402-EMAX

Location Code: IMP-IASPOW-GP09

Collection Date: 1/24/02

Sample Number: QG0016

Collection Time: 09150

Sample Name: IMP-IASPOW-GP09-SS-QG0016-REG

Start Depth: 0'

Sampling Method: DP

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Lavaas / Fluppen

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type

METALS	N	A	1	8	oz	CW-JAR

NITROAROMATI	N	A	1	8	oz	CW-JAR

Comments: PID: 7.0

Sketch Location:

See sample QG0001

Logged BY / Date: Andy Uvaas 1/24/02

Reviewed BY / Date: Doka 1-24-02



Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMAX

Location Code: IMP-IASPOW-GP10

Collection Date: 10/2/02

Sample Number: QG0022

Collection Time: 1020

Sample Name: IMP-IASPOW-GP10-SS-QG0022-REG

Start Depth: 0'

Sampling Method: DP HA

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Goinis / Levaas

JC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

No visible contamination

Sketch Location:

Logged BY / Date: crindy Levaas 10/2/02

Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-⁰¹100202-EMAX

Location Code: IMP-IASPOW-GP10

Collection Date: 10/2/02

Sample Number: QG0023

Collection Time: 1026

Sample Name: IMP-IASPOW-GP10-DS-QG0023-REG

Start Depth: 3'

Sampling Method: DP HA

End Depth: 4'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Goinis / Levaas

QC Partners:

(TB) NA (ER) 100202-ERZ (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

Sketch Location:

Logged BY / Date: Cindy Levaas 10/2/02 Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: ^{INRS} 100302-EMAX

Location Code: IMP-IASPOW-GP11

Collection Date: 10/1/02

Sample Number: QG0024

Collection Time: 1452

Sample Name: IMP-IASPOW-GP11-SS-QG0024-REG

Start Depth: 0'

Sampling Method: ~~DP~~ HA

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Goin's / Levaas

QC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

Sketch Location:

Logged BY / Date: Cindy Levaas 10/1/02 Reviewed BY / Date: [Signature] 10/2/02



Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: ^(S)IMP-100202-EMAX

Location Code: IMP-IASPOW-GP11

Sample Number: QG0025

Sample Name: IMP-IASPOW-GP11-DS-QG0025-REG

Sampling Method: DP HA

Sample Type: DS

Sample Purpose: REG

Collection Date: 10/1/02

Collection Time: 1458

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Goins / Levaas

IC Partners:

(TB) N/A (ER) 100202-EN2 (FB) N/A

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers					
Analytical Suite	Flt	Frtn	Qty	Size	Units Type
METALS-S	N	A	1	8	oz CW-JAR

Comments: PID: 0.0 ppm

Sketch Location:

Logged BY / Date: Cindy Levaas 10/1/02

Reviewed BY / Date:  10/2/02

Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: ⁶⁷IMP-100202-EMAX

Location Code: IMP-IASPOW-GP12

Collection Date: 10/1/02

Sample Number: QG0026

Collection Time: 1422

Sample Name: IMP-IASPOW-GP12-SS-QG0026-REG

Start Depth: 0'

Sampling Method: DP HA

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

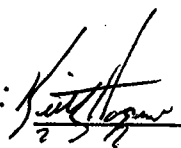
Sample Team: Gdavis/levaas

QC Partners:
(TB) NA **(ER)** 100202-ER2 **(FB)** NA

ERPIMS Values:
Sacode:
Lot Control#:
Containers
Analytical Suite **Flt Frtn Qty Size Units Type**

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

Sketch Location:
Logged BY / Date: cindy levaas 10/1/02 **Reviewed BY / Date:**  10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100202-EMAX

Location Code: IMP-IASPOW-GP12

Sample Number: QG0027

Sample Name: IMP-IASPOW-GP12-DS-QG0027-REG

Sampling Method: **DP** HA

Sample Type: DS

Sample Purpose: REG

Collection Date: 10/1/02

Collection Time: 1431

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Goins / Levaas

JC Partners:

(TB) NA (ER) 100202-EX2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

Sketch Location:

Logged BY / Date: Cindy Levaas 10/1/02 Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMAX

Location Code: IMP-IASPOW-GP13

Collection Date: 10/2/02

Sample Number: QG0028

Collection Time: 0929

Sample Name: IMP-IASPOW-GP13-SS-QG0028-REG

Start Depth: 0'

Sampling Method: DP HA

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Goin's / Lervaas

QC Partners:

(TB) NA

(ER) 100202-EMAX

(FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0.

No contamination visible at point, but lead is
visible in road ~ 8-10' away.

Sketch Location:

Logged BY / Date: Cindy Lervaas 10/2/02

Reviewed BY / Date: [Signature] 10/2/02

Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100202-EMMYLocation Code: **IMP-IASPOW-GP13**Collection Date: 10/2/02Sample Number: **QG0029**Collection Time: 0938Sample Name: **IMP-IASPOW-GP13-DS-QG0029-REG**Start Depth: 3'Sampling Method: **DP HA**End Depth: 4'Sample Type: **DS**Sample Purpose: **REG**Sample Matrix: **SOIL**Sample Team: GAINS / Levaas

QC Partners:

(TB) NA (ER) 100202-EMMY (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppmNo contamination visible at point, but lead is visiblein road ~8'-10' away.**Sketch Location:**Logged BY / Date: Cindy Levaas 10/2/02 Reviewed BY / Date: [Signature] 10/2/02



Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-000102-EMBL

Location Code: **IMP-IASPOW-GP14**

Sample Number: **QG0030**

Sample Name: **IMP-IASPOW-GP14-SS-QG0030-REG**

Sampling Method: **DP HA**

Sample Type: **SS**

Sample Purpose: **REG**

Collection Date: 10/1/02

Collection Time: 0915

Start Depth: 0'

End Depth: 1'

Sample Matrix: **SOIL**

Sample Team: Goins/Lavaas

QC Partners:

(TB) NA (ER) 00100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers					
	Flt	Frtn	Qty	Size	Units	Type
METALS-S	N	A	1	8	oz	CW-JAR
NITROAROMATIC	N	A	1	8	oz	CW-JAR
SEMIVOLATILES	N	A	1	8	oz	CW-JAR
VOLATILES_3	N	B	3	5	g	EnCore
CL HERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	C	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

NO visible contamination.

Sketch Location:

Logged BY / Date: Cindy Lavaas 10/1/02

Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMAX

Location Code: **IMP-IASPOW-GP14**

Collection Date: 10/1/02

Sample Number: **QG0031**

Collection Time: 0925

Sample Name: **IMP-IASPOW-GP14-DS-QG0031-REG**

Start Depth: 2'

Sampling Method: **DP HA**

End Depth: 4'

Sample Type: **DS**

Sample Purpose: **REG**

Sample Matrix: **SOIL**

Sample Team: Gowis / Leraas

QC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
METALS-S	N	A	1	8	oz	CW-JAR
NITROAROMATIC	N	A	1	8	oz	CW-JAR
SEMIVOLATILES	N	A	1	8	oz	CW-JAR
VOLATILES_3	N	B	3	5	g	EnCore
CL HERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	C	1	8	oz	CW-JAR

Comments: PID: 0.0

NO visible contamination

Sketch Location:

Logged BY / Date: cindy leraas 10/1/02

Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMAT

Location Code: IMP-IASPOW-GP14

Sample Number: QG0031-MS

Sample Name: IMP-IASPOW-GP14-DS-QG0031-MS

Sampling Method: DP HA

Sample Type: DS

Sample Purpose: MS

Collection Date: 10/1/02

Collection Time: 0925

Start Depth: 2'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Goins/Levaas

QC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers					Type
	Flt	Frtn	Qty	Size	Units	
METALS-S	N	A	1	8	oz	CW-JAR
NITROAROMATIC	N	A	1	8	oz	CW-JAR
SEMIVOLATILES	N	A	1	8	oz	CW-JAR
VOLATILES_3	N	B	3	5	g	EnCore
CL HERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	C	1	8	oz	CW-JAR

Comments: PID: 0.0ppm
No visible contamination

Sketch Location:

Logged BY / Date: cindy levaas 10/1/02

Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMAX

Location Code: **IMP-IASPOW-GP14**

Sample Number: **QG0031-MSD**

Sample Name: **IMP-IASPOW-GP14-DS-QG0031-MSD**

Sampling Method: **DP HA**

Sample Type: **DS**

Sample Purpose: **MSD**

Collection Date: 10/1/02

Collection Time: 0925

Start Depth: 2'

End Depth: 4'

Sample Matrix: **SOIL**

Sample Team: Govis / Levaas

QC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers					
	Flt	Frtn	Qty	Size	Units	Type
METALS-S	N	A	1	8	oz	CW-JAR
NITROAROMATIC	N	A	1	8	oz	CW-JAR
SEMIVOLATILES	N	A	1	8	oz	CW-JAR
VOLATILES_3	N	B	3	5	g	EnCore
CL HERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	C	1	8	oz	CW-JAR

Comments: PD: 0.0 ppm

No visible contamination

Sketch Location:

Logged BY / Date: cindy Levaas 10/1/02

Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMAK

Location Code: IMP-IASPOW-GP14

Sample Number: QG0032

Sample Name: IMP-IASPOW-GP14-DS-QG0032-FD

Sampling Method: DP HA

Sample Type: DS

Sample Purpose: FD

Collection Date: 10/1/02

Collection Time: 0925

Start Depth: 2'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Goins/Levaas

QC Partners:

(TB) NA (ER) 100202-ELL2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers					
	Flt	Frtn	Qty	Size	Units	Type
METALS-S	N	A	1	8	oz	CW-JAR
NITROAROMATIC	N	A	1	8	oz	CW-JAR
SEMIVOLATILES	N	A	1	8	oz	CW-JAR
VOLATILES_3	N	B	3	5	g	EnCore
CL HERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	C	1	8	oz	CW-JAR

Comments: PID: 0.0ppm

No visible contamination

Sketch Location:

Logged BY / Date: cindy levaas 10/1/02 Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMAX

Location Code: IMP-IASPOW-GP15

Sample Number: QG0033

Sample Name: IMP-IASPOW-GP15-SS-QG0033-REG

Sampling Method: DP HA

Sample Type: SS

Sample Purpose: REG

Collection Date: 10/1/02

Collection Time: 0958

Start Depth: 0'

End Depth: 1'

Sample Matrix: SOIL

Sample Team: Goinis / Levaas

QC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

NO visible contamination

Sketch Location:

Logged BY / Date: Cindy Levaas 10/1/02

Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMMOL

Location Code: IMP-IASPOW-GP15

Sample Number: QG0034

Sample Name: IMP-IASPOW-GP15-DS-QG0034-REG

Sampling Method: DP HA

Sample Type: DS

Sample Purpose: REG

Collection Date: 10/1/02

Collection Time: 0958 1007

Start Depth: 0' 3'

End Depth: 0' 4'

Sample Matrix: SOIL

Sample Team: Goins / Leraas

QC Partners:

(TB) NA

(ER) ^{K.H. 10/1/02}
28-100202-ER2

(FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

No visible contamination

Sketch Location:

Logged BY / Date: Cindy Leraas 10/1/02 Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMAN

Location Code: IMP-IASPOW-GP16

Collection Date: 10/1/02

Sample Number: QG0035

Collection Time: 1026

Sample Name: IMP-IASPOW-GP16-SS-QG0035-REG

Start Depth: 0'

Sampling Method: ~~DP~~ HA

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Gowis / Levaas

QC Partners:

(TB) NA (ER) 100102-EK 2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 6.3 ppm

no visible contamination at point - casings visible
in road ~5' away

Sketch Location:

Logged BY / Date: cindy levaas 10/1/02 Reviewed BY / Date: [Signature] 10/1/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100102-EMAK

Location Code: IMP-IASPOW-GP16

Collection Date: 10/1/02

Sample Number: QG0036

Collection Time: 1035

Sample Name: IMP-IASPOW-GP16-DS-QG0036-REG

Start Depth: 3'

Sampling Method: DP

End Depth: 4'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Golvis/Levaas

QC Partners:

(TB) NA (ER) 100202-ERL (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers	Flt	Frtn	Qty	Size	Units	Type

METALS-S	N A	1	8	oz	CW-JAR		

Comments: PID: 0.0 ppm

no visible contamination at visible point - casings
visible in road ~5' away.

Sketch Location:

Logged BY / Date: Cindy Levaas 10/1/02

Reviewed BY / Date: [Signature] 10/1/02



Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMAX

Location Code: IMP-IASPOW-GP17

Sample Number: QG0037

Sample Name: IMP-IASPOW-GP17-SS-QG0037-REG

Sampling Method: ~~DP~~ HA

Sample Type: SS

Sample Purpose: REG

Collection Date: 10/2/02

Collection Time: 0831

Start Depth: 0'

End Depth: 1'

Sample Matrix: SOIL

Sample Team: Ganis/Lenaas

QC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers					
Analytical Suite	Flt	Frtn	Qty	Size	Units Type
METALS-S	N	A	1	8	oz CW-JAR

Comments: PID: 0.0ppm
NO visible contamination

Sketch Location:



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-ERL

Location Code: **IMP-IASPOW-GP17**

Collection Date: 10/2/02

Sample Number: **QG0038**

Collection Time: 0847

Sample Name: **IMP-IASPOW-GP17-DS-QG0038-REG**

Start Depth: 3'

Sampling Method: **DP HA**

End Depth: 4'

Sample Type: **DS**

Sample Purpose: **REG**

Sample Matrix: **SOIL**

Sample Team: Goin's / Levaas

QC Partners:

(TB) NA (ER) 100202-ERL (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0

No visible contamination

Sketch Location:

Logged BY / Date: Cindy Levaas 10/2/02 Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMAX

Location Code: **IMP-IASPOW-GP18**

Sample Number: **QG0039**

Sample Name: **IMP-IASPOW-GP18-SS-QG0039-REG**

Sampling Method: **DP HiA**

Sample Type: **SS**

Sample Purpose: **REG**

Collection Date: 10/2/02

Collection Time: 090039 0858

Start Depth: 0'

End Depth: 1'

Sample Matrix: **SOIL**

Sample Team: Goin's / Levaas

QC Partners:

(TB) NA (ER) 100202-EK2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0ppm

Sketch Location:

Logged BY / Date: Cindy Levaas 10/2/02

Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMAV

Location Code: IMP-IASPOW-GP18

Collection Date: 10/2/02

Sample Number: QG0040

Collection Time: 0906

Sample Name: IMP-IASPOW-GP18-DS-QG0040-REG

Start Depth: 3'

Sampling Method: DP HVA

End Depth: 4'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: GOWIS / LENAAS

QC Partners:

(TB) NA (ER) 100202-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

		Containers			
Analytical Suite	Flt	Frtn	Qty	Size	Units Type
METALS-S	N	A	1	8	oz CW-JAR

Comments: PID: 0.0ppm

Sketch Location:

Logged BY / Date: Cindy LENAAS 10/2/02

Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMML

Location Code: IMP-IASPOW-GP19

Collection Date: 10/2/02

Sample Number: QG0041

Collection Time: 1115

Sample Name: IMP-IASPOW-GP19-SS-QG0041-REG

Start Depth: 0'

Sampling Method: ~~DP~~ HA

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Goin's/Lavaas

QC Partners:

(TB) HA (ER) 100302-ER2 (FB) HA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0ppm

Sketch Location:

Logged BY / Date: Cindy Lavaas 10/2/02 Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMHXL

Location Code: IMP-IASPOW-GP19

Collection Date: 10/2/02

Sample Number: QG0042

Collection Time: 1121

Sample Name: IMP-IASPOW-GP19-DS-QG0042-REG

Start Depth: 3'

Sampling Method: DP HA

End Depth: 4'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: GOVIS / LENAAS

QC Partners:

(TB) NA (ER) 100202-EL2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0 ppm

Sketch Location:

Logged BY / Date: Cindy LENAAS 10/2/02 Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMAL

Location Code: IMP-IASPOW-GP20

Collection Date: 10/2/02

Sample Number: QG0043

Collection Time: 1036

Sample Name: IMP-IASPOW-GP20-SS-QG0043-REG

Start Depth: 0'

Sampling Method: DP HA

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: GOWIS / LENAAS

QC Partners:

(TB) NA (ER) 100202-ERL (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR

Comments: PID: 0.0ppm

Sketch Location:

Logged BY / Date: Cindy LENAAS 10/2/02 Reviewed BY / Date: [Signature] 10/2/02



Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-100302-EMAX

Location Code: IMP-IASPOW-GP20

Collection Date: 10/2/02

Sample Number: QG0044

Collection Time: 1045

Sample Name: IMP-IASPOW-GP20-DS-QG0044-REG

Start Depth: 3'

Sampling Method: DP HA

End Depth: 4'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: GOINS / LENAAS

QC Partners:

(TB) NA (ER) 100202-EMAX (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

		Containers			
Analytical Suite	Flt	Frtn	Qty	Size	Units Type
METALS-S	N	A	1	8	oz CW-JAR

Comments: PID: 0.0ppm

Sketch Location:

Logged BY / Date: Andy LENAAS 10/2/02 Reviewed BY / Date: [Signature] 10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-MW01

Collection Date: 1-23-02

Sample Number: QG0017

Collection Time: 14:13

Sample Name: IMP-IASPOW-MW01-SS-QG0017-REG

Start Depth: 0'

Sampling Method: DP

End Depth: 1'

Sample Type: SS

Sample Purpose: REG

Sample Matrix: SOIL

QC Partners:

Sample Team: C. LEVANS / L. FLIPPEN

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR

Comments: PID 0.0 0-1' bgs

Sketch Location:

See sample QG0001

Logged BY / Date: C. Levens 1-23-02

Reviewed BY / Date: Deka 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAV

Location Code: IMP-IASPOW-MW01

Sample Number: QG0018

Sample Name: IMP-IASPOW-MW01-DS-QG0018-REG

Sampling Method: DP

Sample Type: DS

Sample Purpose: REG

Collection Date: 1-23-02

Collection Time: 14:15

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

Sample Team: C. Levas / L. Flippin

ERPIMS Values:

Sacode:

Lot Control#:

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type

METALS-S	N	3	1	8	oz	CW-JAR

NITROAROMATI	N	3	1	8	oz	CW-JAR

Comments: PID 0.0 3' - 4' bgs

Sketch Location:

See sample QG0001

Logged BY / Date: Lee Flippin 1-23-02

Reviewed BY / Date: Dexa 1-23-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMA-042302-ENAV

Location Code: IMP-IASPOW-MW01

Sample Number: QG3001

Sample Name: IMP-IASPOW-MW01-GW-QG3001-REG

Sampling Method: BP

Sample Type: GW

Sample Purpose: REG

Collection Date: 04/23/02

Collection Time: 1455

Start Depth: 37.55

End Depth: 37.50

Sample Matrix: WATER

Sample Team: LF-JC

QC Partners:

(TB) NA ~~042302-782~~ (ER) 042602-ER (FB) NA
OK4

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

METALS-W	N	A	1	1	L	HDPE
NITROAROMATI	N	B	2	1	L	Amh. Glass

Comments: _____

Sketch Location: _____

Logged BY / Date: Paul H. [Signature]

Reviewed BY / Date: 04/23/02
[Signature]



INTERNATIONAL
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CORPORATION

Page 2 of 2

Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

Location Code: IMP-IASPOW-MW01

Sample Number: QG3001

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
<i>Off</i>	1310	21.82	122	6.10	.046	2.6	6.36	22.36	1.8
1340	1340	32.30	137	6.01	.047	5.2	4.97	21.46	5.4
	1410	35.75	146	5.96	.046	46.1	5.56	20.78	10.8
	1440	37.70	149	6.04	.047	13.5	5.03	22.13	16.2
	1445	37.64	147	6.05	.046	10.2	4.88	23.03	16.7
	1450	37.57	147	6.06	.047	9.8	4.92	22.71	17.2
Sample:	1455	37.55	148	6.06	.046	10	4.87	22.89	17.7

TD - 57.44

DTW - 21.82

$35.62 \times .163 = 5.81$

$5.81 \times 3 = 17.42$

$5.81 \times 5 = 29$

Logged BY/ Date:

[Signature]

PID - 0.0 Well Head - 0.4

Metals PH < 2

04/23/02

Reviewed BY/ Date:

[Signature] 4-23-02



Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: ~~No COC~~ IMP(W)-100302-EMAX
01-Oct-02

Location Code: IMP-IASPOW-MW01

Sample Number: QG3004

Collection Date: 30-SEP-02 K. H. 10/1/02

Collection Time: 08:00 0915

Start Depth: 8' 35" K. H. 10/2/02

End Depth: 8' 55" K. H. 10/2/02

Sampling Method: BP

Sample Matrix: WATER

Sample Type: GW

Sample Purpose: REG

Sample Team: JC - RG

TB: NA K. H. 10/2/02
FR: 100202-ER K. H. 10/2/02
FB: NA K. H. 10/2/02

Containers

Analytical Suite Flt Frtn Qty Size Units Type

NITROAROMATIC	N B	2	1	L	Amb. Glass
GL PESTICIDES	N F	2	1	L	Amb. Glass
OP PESTICIDES	N G	2	1	L	Amb. Glass

ERPIMS Values:

Sacode:

Lot Control#:

Comments:

Sketch Location:

Logged BY / Date:

[Signature]

Reviewed BY / Date:

10-01-02

[Signature] 10/2/02



Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

Location Code: IMP-IASPOW-MW01

Sample Number: QG3001 K.H. # 9/30/02
3004

PURGE RECORD:

Initial	Time(24hr)	Depth to Water	Eh	pH	Conductivity	Turbidity	Diss Oxygen	Temperature	Purge Volume
	09-30-02	(ft)	(mV)	(SU)	(mS/cm)	(NTU)	(ppm)	(C)	(gal)
JH	1150	22.22	179	6.39	.029	29	10.82	25.18	— .05 gal
	1235	30.28	203	6.17	.028	35	9.84	25.71	2.25
	1320	33.10	195	5.61	.027	37	10.05	24.76	4.50
	1405	37.00	184	5.96	.027	36	8.58	28.41	6.75
	1450	37.92	200	5.97	.026	37	9.22	24.59	9
	1535	38.67	200	5.93	.024	35	7.47	22.06	11.25
10-01-02	0830	24.01	160	6.05	.034	36	10.73	21.80	11.25 - .05 gal
	0900	28.92	187	5.93	.027	28	9.34	20.76	12.75
	0905	29.30	185	5.89	.026	29	10.01	20.83	13.00
	0910	30.59	196	5.96	.026	30	9.89	20.90	13.25
	0915	31.65	204	5.94	.025	25	8.67	20.78	13.50
Sample:	0915	31.65	204	5.94	.025	25	8.67	20.78	13.50

TD - 57.45

PID - 0.0 Well Head 0.0

DTW 22.22

35.23 x .163 = 5.74 K.H. # 10/2/02
5.74 x 3 = 17.22 K.H. # 10/2/02
5.74 x 5 = 28.70 K.H. # 10/2/02

Logged BY / Date: Jeanne Yacoub

Reviewed BY / Date: Jeanne Yacoub

10/2/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP- D12402 - Emay

Location Code: IMP-IASPOW-MW02

Sample Number: QG0019

Sample Name: IMP-IASPOW-MW02-SS-QG0019-REG

Sampling Method: DP

Sample Type: SS

Sample Purpose: REG

Collection Date: 1/24/02

Collection Time: 1115

Start Depth: 0'

End Depth: 1'

Sample Matrix: SOIL

Sample Team: Levaas / Flippin

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N A	1	8	oz	CW JAR
NITROAROMATI	N A	1	8	oz	CW JAR
VOLATILES	N B	3	5	g	EnCore
CL HERBICIDES	N C	1	8	oz	CW JAR
CL PESTICIDES	N C	1	8	oz	CW JAR
SEMI-VOLATILES	N C	1	8	oz	CW JAR
OP PESTICIDES	N D	1	8	oz	CW JAR

Comments: PID: 0.0

Sketch Location:

Logged BY / Date: Cindy Levaas 1/24/02

Reviewed BY / Date: Deka 1-24-02



INTERNATIONAL
TECHNOLOGY
CORPORATION

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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-D12402-EMAX

Location Code: IMP-IASPOW-MW02

Sample Number: QG0020

Sample Name: IMP-IASPOW-MW02-DS-QG0020-REG

Sampling Method: DP

Sample Type: DS

Sample Purpose: REG

Collection Date: 1/24/02

Collection Time: 1120

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Lenaas / Phipps

QC Partners:

(TB) NA (ER) D12502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-S	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR
VOLATILES_3	N	B	3	5	oz	EnCore
GL HERBICIDES	N	C	1	8	oz	CW-JAR
GL PESTICIDES	N	C	1	8	oz	CW-JAR
SEMIVOLATILES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	D	1	8	oz	CW-JAR

Comments: PID: 0.0

Sketch Location:

Logged BY / Date: Cindy Lenaas 1/24/02

Reviewed BY / Date: 1-24-02
Deka



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CORPORATION

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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: **IMP-IASPOW-MW02**

Sample Number: **QG0021**

Sample Name: **IMP-IASPOW-MW02-DS-QG0021-REG**

Sampling Method: **DP**

Sample Type: **DS**

Sample Purpose: **FD**

Collection Date: 1/24/02

Collection Time: 1120

Start Depth: 3'

End Depth: 4'

Sample Matrix: **SOIL**

Sample Team: Lenaas / Flippen

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N A	1	8	oz	CW JAR
NITROAROMATI	N A	1	8	oz	CW JAR
VOLATILES 3	N B	3	5	g	EnCore
CL HERBICIDES	N C	1	8	oz	CW JAR
CL PESTICIDES	N C	1	8	oz	CW JAR
SEMI VOLATILES	N C	1	8	oz	CW JAR
OP PESTICIDES	N D	1	8	oz	CW JAR

Comments: PID: 0.0

Sketch Location:

Logged BY / Date: Cindy Lenaas 1/24/02

Reviewed BY / Date: Doxa

1-24-02



INTERNATIONAL
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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-MW02

Sample Number: QG0020-MS

Sample Name: IMP-IASPOW-MW02-DS-QG0020-MS

Sampling Method: DP

Sample Type: DS

Sample Purpose: MS

Collection Date: 1/24/02

Collection Time: 1120

Start Depth: 3'

End Depth: 4'

Sample Matrix: SOIL

Sample Team: Levaas / Flippin

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

ERPIMS Values:

Sacode:

Lot Control#:

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR
VOLATILES 3	N	B	3	5	g	EnCore
GL HERBICIDES	N	C	1	8	oz	CW-JAR
GL PESTICIDES	N	C	1	8	oz	CW-JAR
SEMIVOLATILES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	D	1	8	oz	CW-JAR

Comments: PID:0.0

Sketch Location:

Logged BY / Date: Cindy Levaas 1/24/02

Reviewed BY / Date: Deka 1-24-02



INTERNATIONAL
TECHNOLOGY
CORPORATION

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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-012402-EMAX

Location Code: IMP-IASPOW-MW02

Collection Date: 1/24/02

Sample Number: QG0020-MSD

Collection Time: 1120

Sample Name: IMP-IASPOW-MW02-DS-QG0020-MSD

Start Depth: 3'

Sampling Method: DP

End Depth: 4'

Sample Type: DS

Sample Purpose: MSD

Sample Matrix: SOIL

QC Partners:

(TB) NA (ER) 012502-ER2 (FB) NA

Sample Team: Cindy Levaas/Lee
Flippin

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS	N	A	1	8	oz	CW-JAR
NITROAROMATI	N	A	1	8	oz	CW-JAR
VOLATILES 3	N	B	3	5	g	EnCore
CE HERBICIDES	N	C	1	8	oz	CW-JAR
CE PESTICIDES	N	C	1	8	oz	CW-JAR
SEMIVOLATILES	N	C	1	8	oz	CW-JAR
OP PESTICIDES	N	D	1	8	oz	CW-JAR

Comments: PID: 0.0

Sketch Location:

Logged BY / Date: Cindy Levaas 1/24/02

Reviewed BY / Date: 1-24-02
Doka



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TECHNOLOGY
CORPORATION

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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-042302-EM4X

Location Code: IMP-IASPOW-MW02

Sample Number: QG3002

Sample Name: IMP-IASPOW-MW02-GW-QG3002-REG

Sampling Method: BP

Sample Type: GW

Sample Purpose: REG

Collection Date: 04/24/02

Collection Time: 1120

Start Depth: 38.10

End Depth: 44.76

Sample Matrix: WATER

Sample Team: LF-JC

QC Partners:

(TB) 042402-TB (ER) 042602-ER (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS W	N A	1	1	L	HDPE
NITROAROMATI	N B	2	1	L	Amb. Glass
VOLATILES 3	N C	3	40	mL	VOA Vial
SEMIVOLATILES	N D	2	1	L	Amb. Glass
CE HERBICIDES	N E	2	1	L	Amb. Glass
CE PESTICIDES	N F	2	1	L	Amb. Glass
OP PESTICIDES	N G	2	1	L	Amb. Glass

Comments:

Sketch Location:

Logged BY / Date:

[Signature]

04/24/02

Reviewed BY / Date:

4-24-02
[Signature]



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

Location Code: IMP-IASPOW-MW02

Sample Number: QG3002

PURGE RECORD:

Initial	Time(24hr)	Depth to Water (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
Off	0935	21.52	143	5.91	.043	15.1	3.56	19.08	— .179
	1005	32.25	144	5.69	.041	23.1	3.52	18.96	5.1
	1035	38.02	146	5.59	.042	13.9	3.06	20.48	10.2
	1105	38.04	116	5.54	.036	11.1	3.61	20.10	15.3
	1110	38.09	107	5.75	.036	9.8	3.82	21.57	16.15
	1115	38.08	104	5.77	.036	8.1	3.85	21.58	17
Sample:	1120	38.10	101	5.81	.036	4.2	3.90	21.79	17.85

TD 57.62

DTW - 21.52

$36.10 \times .163 = 5.9$

$5.9 \times 3 = 17.7$

$5.9 \times 5 = 29.422$

PID - 0.0 well head - 0.4

Voc Now PH < 2

Metals PH < 2

04/24/02

Logged BY / Date:

[Signature]

Reviewed BY / Date:

4-24-02
[Signature]



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-042302-EM4X

Location Code: IMP-IASPOW-MW02

Sample Number: QG3002-MS

Sample Name: IMP-IASPOW-MW02-GW-QG3002-MS

Sampling Method: BP

Sample Type: GW

Sample Purpose: MS

Collection Date: 04/24/02

Collection Time: 1120

Start Depth: 38.10

End Depth: 44.76

Sample Matrix: WATER

Sample Team: LF JL

QC Partners:

(TB) 042402-TB (ER) 042602-ER (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-W	N A	1	1	L	HDPE
NITROAROMATI	N B	2	1	L	Amb. Glass
VOLATILES 3	N C	3	40	mL	VOA Vial
SEMIVOLATILES	N D	2	1	L	Amb. Glass
CL HERBICIDES	N E	2	1	L	Amb. Glass
CL PESTICIDES	N F	2	1	L	Amb. Glass
OP PESTICIDES	N G	2	1	L	Amb. Glass

Comments:

Sketch Location:

Logged BY / Date:

[Signature]

Reviewed BY / Date:

04/24/02

4-24-02
[Signature]



Manager: Jeanne Yacoub

Sample Number: QG3002-MS

PURGE RECORD:

[illegible]

Parameter Measurements & Calculations are listed on
Log No # QG 3002

Logged BY / Date:

Reviewed BY / Date:

4-24-02
Denc



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-042302-EMAX

Location Code: IMP-IASPOW-MW02

Collection Date: 04/24/02

Sample Number: QG3002-MSD

Collection Time: 1120

Sample Name: IMP-IASPOW-MW02-GW-QG3002-MSD

Start Depth: 38.10

Sampling Method: BP

End Depth: 44.76

Sample Type: GW

Sample Purpose: MSD

Sample Matrix: WATER

Sample Team: LF-JC

QC Partners:

(TB) 042402-TB (ER) 042602-ER (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-W	N A	1	1	L	HDPE
NITROAROMATI	N B	2	1	L	Amb. Glass
VOLATILES 3	N C	3	40	mL	VOA Vial
SEMIVOLATILES	N D	2	1	L	Amb. Glass
CL HERBICIDES	N E	2	1	L	Amb. Glass
CL PESTICIDES	N F	2	1	L	Amb. Glass
OP PESTICIDES	N G	2	1	L	Amb. Glass

Comments: _____

Sketch Location: _____

Logged BY / Date: [Signature]

Reviewed BY / Date: 04/29/02

4-24-02
DQXC



Manager: Jeanne Yacoub

Sample Number: QG3002-MSD

[illegible]

Parameter measurement and calculations are listed on log
NO# QB 3002

04/24/02

Logged BY / Date:

Reviewed BY / Date:

4-24-02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-042302-EMAX

Location Code: IMP-IASPOW-MW02

Collection Date: 04/24/02

Sample Number: QG3003

Collection Time: 1120

Sample Name: IMP-IASPOW-MW02-GW-QG3003-FD

Start Depth: 38.10

Sampling Method: BP

End Depth: 44.76

Sample Type: GW

Sample Purpose: FD

Sample Matrix: WATER

Sample Team: CF-JC

QC Partners:

(TB) 042402-TB (ER) 042602-ER (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

METALS-W	N A	1	1	L	HDPE
NITROAROMATI	N B	2	1	L	Amb. Glass
VOLATILES-3	N C	3	40	mL	VOA Vial
SEMIVOLATILES	N D	2	1	L	Amb. Glass
CL HERBICIDES	N E	2	1	L	Amb. Glass
CL PESTICIDES	N F	2	1	L	Amb. Glass
OP PESTICIDES	N G	2	1	L	Amb. Glass

Comments: _____

Sketch Location: _____

Logged BY / Date: [Signature]

04/24/02
Reviewed BY / Date: [Signature]

4-24-02
DOXA



Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

Location Code: **IMP-IASPOW-MW02**

Sample Number: QG3003

PURGE RECORD:

[illegible]

Parameter measurements and calculations are listed on
Log NO# QG3002

Logged BY / Date:

04/24/02

Reviewed BY / Date:

4-24-07



Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: IMP-092502-EMAX

Location Code: IMP-IASPOW-MW02 *K.H. 9/25/02*

Collection Date: 09-24-02

Sample Number: ~~QG3002~~ QG3005 *3005 K.H. 9/25/02*

Collection Time: 1125

Sample Name: IMP-IASPOW-MW02-GW-QG3002-REG

Start Depth: 35'

Sampling Method: BP

End Depth: 55'

Sample Type: GW

Sample Purpose: REG

Sample Matrix: WATER

Sample Team: Cindy L. Jewel C.

QC Partners:

(TB) NA (ER) 092702-CK (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers						
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
METALS-W	N	A	1	1	L	HDPE <i>K.H. 9/25/02</i>
NITROAROMATIC	N	B	2	1	L	Amb. Glass
VOLATILES-3	N	C	3	40	mL	VOA Vial <i>K.H. 9/25/02</i>
SEMIVOLATILES	N	D	2	1	L	Amb. Glass <i>K.H. 9/25/02</i>
CL HERBICIDES	N	E	2	1	L	Amb. Glass <i>K.H. 9/25/02</i>
CL PESTICIDES	N	F	2	1	L	Amb. Glass
OP PESTICIDES	N	G	2	1	L	Amb. Glass

Comments:

Sketch Location:

Logged BY / Date:

[Signature]

Reviewed BY / Date:

09-24-02

[Signature] 9/25/02

Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

Location Code: IMP-IASPOW-MW02
Sample Number: ~~QG3002~~ QG3005 ^{K.H.} 9/25/02

09-24-02

PURGE RECORD:

Initial	Time(24hr)	Depth to Water (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Diss Oxygen (ppm)	Temperature (C)	Purge Volume (gal)
<i>JH</i>	0910	26.40	215	5.45	.031	8.5	9.35	19.64	— .125
	0950	29.95	204	5.97	.028	15.8	9.27	18.63	5
	1030	32.05	196	5.99	.030	13.9	8.61	18.74	10
	1110	32.91	203	6.06	.032	10.1	7.06	18.75	15
	1015	32.96	200	6.04	.032	9.2	6.98	19.40	15.625
	1020	32.98	201	6.05	.032	9.5	6.93	19.76	16.25
Sample:	1025	33.00	201	6.06	.032	8.9	6.94	19.83	16.875

TD - 57.62
26.40

$$31.22 \times .163 = 5.09$$

$$5.09 \times 3 = 15.27$$

$$5.09 \times 5 = 25.45$$

Logged BY / Date: *[Signature]*

PID - 0.0 Well Head 0.0

Metal - pH < 2

Voc Iron. pH < 2

09-24-02

Reviewed BY / Date: *[Signature]* 9/25/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-092502-EMRK

Location Code: IMP-IASPOW-MW02
Sample Number: Q6-3005 Q6-3002-MS Q6-3005 Q6-3005

Collection Date: 09-24-02

Collection Time: 1125

Start Depth: 35'

End Depth: 55'

Sample Matrix: WATER

Sample Team: Candice L. Jewell

Sample Name: IMP-IASPOW-MW02-GW-Q63002-MS

Sampling Method: BP

Sample Type: GW

Sample Purpose: MS

QC Partners:

(TB) NA (ER) 092702-ER (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

		Containers					
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type	
METALS-W	N	A	1	1	L	HDPE	<u>Q6-3005</u>
NITROAROMATIC	N	B	2	1	L	Amb. Glass	
VOLATILES-3	N	C	3	40	mL	VOA Vial	<u>Q6-3005</u>
SEMI-VOLATILES	N	D	2	1	L	Amb. Glass	<u>Q6-3005</u>
CL HERBICIDES	N	E	2	1	L	Amb. Glass	<u>Q6-3005</u>
CL PESTICIDES	N	F	2	1	L	Amb. Glass	
OP PESTICIDES	N	G	2	1	L	Amb. Glass	

Comments: _____

Sketch Location: _____

Logged BY / Date: [Signature]

09-24-02

Reviewed BY / Date: [Signature] 9/25/02



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Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

Location Code: IMP-IASPOW-MW02
263005 9/25/02
Sample Number: ~~QG3002~~-MS

PURGE RECORD:

Initial	Time(24hr)	Depth to Water (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
Sample:									

Parameter Measurements and Calculations are listed
on log sample No# QG 3002 pp 2 of 2

Logged BY / Date:

09-24-02

Reviewed BY / Date:

9/25/02



INTERNATIONAL
TECHNOLOGY
CORPORATION

Page 1 of 2

Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-92502-EMAX

Location Code: IMP-IASPOW-MW02

Sample Number: 063005 MSD 9/25/02

Sample Name: IMP-IASPOW-MW02-GW-QG3005-MSD

Sampling Method: BP

Sample Type: GW

Sample Purpose: MSD

Collection Date: 09-24-02

Collection Time: 1125

Start Depth: 35'

End Depth: 55'

Sample Matrix: WATER

Sample Team: Cindy L. Jewell C.

QC Partners:

(TB) NR (ER) 092702-EMAX (FB) NR

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers				Units	Type
	Flt	Frtn	Qty	Size		
METALS-W	N	A	1	1	L	HDPE <u>10.0 9/25/02</u>
NITROAROMATIC	N	B	2	1	L	Amb. Glass
VOLATILES-3	N	C	3	40	mL	VOA Vial <u>10.0 9/25/02</u>
SEMIVOLATILES	N	D	2	1	L	Amb. Glass <u>10.0 9/25/02</u>
CL HERBICIDES	N	E	2	1	L	Amb. Glass <u>10.0 9/25/02</u>
CL PESTICIDES	N	F	2	1	L	Amb. Glass
OP PESTICIDES	N	G	2	1	L	Amb. Glass

Comments:

Sketch Location:

Logged BY / Date:

[Signature]

09-24-02

Reviewed BY / Date:

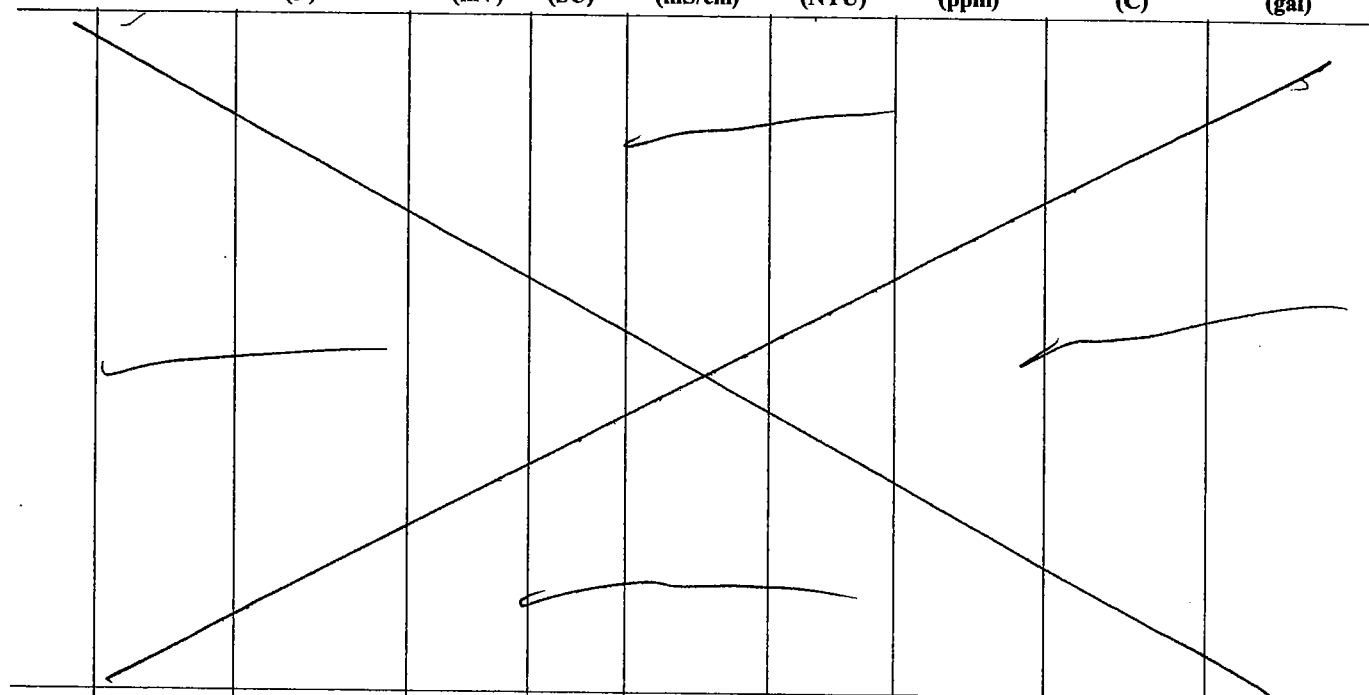
[Signature] 9/25/02

Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

Location Code: IMP-IASPOW-MW02
Sample Number: QG3002-MSD ⁸⁰⁰⁸ ^{9/27/02}

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
									
Sample:									

Parameter Measurements and Calculations are listed
on Log Sample No# QG 3002 pp 2 of 2

Logged BY / Date:

[Signature]

09-24-02

Reviewed BY / Date:

[Signature] 9/25/02



Sample Collection Log

Project: 796887 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: IMP-092502-EMM

Location Code: IMP-IASPOW-MW02

Sample Number: QG3003 ^{3006 K.H. 9/25/02}

Sample Name: IMP-IASPOW-MW02-GW-QG3003-FD ^{3006 K.H. 9/25/02}

Sampling Method: BP

Sample Type: GW

Sample Purpose: FD

Collection Date: 09-24-02

Collection Time: 1125

Start Depth: 35'

End Depth: 55'

Sample Matrix: WATER

Sample Team: Andy L. - Jewel C.

QC Partners:

(TB) NA (ER) 092702-EX (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers						
Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
METALS-W	N	A	1	1	L	HDPE ^{K.H. 9/25/02}
NITROAROMATIC	N	B	2	1	L	Amb. Glass
VOLATILES-3	N	C	3	40	ml	VOA Vial ^{K.H. 9/25/02}
SEMI-VOLATILES	N	D	2	1	L	Amb. Glass ^{K.H. 9/25/02}
CL HERBICIDES	N	E	2	1	L	Amb. Glass ^{K.H. 9/25/02}
CL PESTICIDES	N	F	2	1	L	Amb. Glass
OP PESTICIDES	N	G	2	1	L	Amb. Glass

Comments: _____

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: 9/25/02



Sample Collection Log

Project: 796887 Fort McClellan
Manager: Jeanne Yacoub

Location Code: IMP-IASPOW-MW02
Sample Number: QG3003 ³⁰⁰⁶ ^{10.11.02} ^{9/25/02}

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
Sample:									

Parameter Measurements and calculations are listed
on Log Sample No# 063002 pp 2 of 2

Logged BY / Date: [Signature]

09-24-02
Reviewed BY / Date: [Signature] 9/25/02

ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS



B7/V501-02

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

02A141
Reference Document No: IMP-012402-EMAX
Page 1 of 3

Project Number: 796887
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time:
NORMAL

Samples Shipment Date: 24 JAN 2002
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Airborne/

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923
Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: None			
Possible Hazard Identification:		Sample Disposal:	
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒		Return to Client ☐ Disposal by Lab ☒ Archive (mos.)	
1. Relinquished By (Signature/Affiliation)	<i>[Signature]</i>	Date: 01-24-02 Time: 1600	1. Received By (Signature/Affiliation)
			<i>[Signature]</i>
			Date: 01-25-02 Time: 11:30 A
2. Relinquished By (Signature/Affiliation)		Date: Time:	2. Received By (Signature/Affiliation)
			Date: Time:
3. Relinquished By (Signature/Affiliation)		Date: Time:	3. Received By (Signature/Affiliation)
			Date: Time:
Comments: None			
Cooler #1 T = 2.2° C Cooler #2 T = 2.8° C			

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File CID	Condition On Receipt
1	QG0001	IMP-IASPOW-GP01-SS-QG0001-REG	23 JAN 2002	15:31	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N	
2	QG0002	IMP-IASPOW-GP01-DS-QG0002-REG	23 JAN 2002	15:35	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N	
3	QG0003	IMP-IASPOW-GP02-SS-QG0003-REG	23 JAN 2002	15:47	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N	
4	QG0004	IMP-IASPOW-GP02-DS-QG0004-REG	23 JAN 2002	15:50	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N	
5	QG0005	IMP-IASPOW-GP03-SS-QG0005-REG	23 JAN 2002	15:14	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N	



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

B7/MS01-02

02A141

Reference Document No: IMP-012402-EMAX

Page 2 of 3

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
6	QGG0006 IMP-IASPOW-GP03-DS-QG0006-REG	23 JAN 2002	15:18	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
7	QGG0007 IMP-IASPOW-GP04-SS-QG0007-REG	24 JAN 2002	10:05	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
	QGG0007 IMP-IASPOW-GP04-SS-QG0007-REG	24 JAN 2002	10:05	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		
	QGG0007 IMP-IASPOW-GP04-SS-QG0007-REG	24 JAN 2002	10:05	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QGG0007 IMP-IASPOW-GP04-SS-QG0007-REG	24 JAN 2002	10:05	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QGG0007 IMP-IASPOW-GP04-SS-QG0007-REG	24 JAN 2002	10:05	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
	QGG0008 IMP-IASPOW-GP04-DS-QG0008-REG	24 JAN 2002	10:10	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
8	QGG0008 IMP-IASPOW-GP04-DS-QG0008-REG	24 JAN 2002	10:10	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QGG0008 IMP-IASPOW-GP04-DS-QG0008-REG	24 JAN 2002	10:10	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
	QGG0008 IMP-IASPOW-GP04-DS-QG0008-REG	24 JAN 2002	10:10	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		
	QGG0009 IMP-IASPOW-GP04-DS-QG0009-FD	24 JAN 2002	10:10	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
9	QGG0009 IMP-IASPOW-GP04-DS-QG0009-FD	24 JAN 2002	10:10	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		
	QGG0009 IMP-IASPOW-GP04-DS-QG0009-FD	24 JAN 2002	10:10	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QGG0009 IMP-IASPOW-GP04-DS-QG0009-FD	24 JAN 2002	10:10	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
10	QGG0010 IMP-IASPOW-GP05-SS-QG0010-REG	23 JAN 2002	13:55	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
11	QGG0011 IMP-IASPOW-GP05-DS-QG0011-REG	23 JAN 2002	14:00	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
12	QGG0012 IMP-IASPOW-GP05-SS-QG0012-REG	24 JAN 2002	09:29	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
13	QGG0013 IMP-IASPOW-GP05-DS-QG0013-REG	24 JAN 2002	09:32	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
14	QGG0014 IMP-IASPOW-GP07-SS-QG0014-REG	23 JAN 2002	15:05	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
15	QGG0015 IMP-IASPOW-GP08-SS-QG0015-REG	23 JAN 2002	14:50	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
16	QGG0016 IMP-IASPOW-GP09-SS-QG0016-REG	24 JAN 2002	09:50	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
17	QGG0017 IMP-IASPOW-MW01-SS-QG0017-REG	23 JAN 2002	14:13	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
18	QGG0018 IMP-IASPOW-MW01-DS-QG0018-REG	23 JAN 2002	14:15	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
19	QGG0019 IMP-IASPOW-MW02-SS-QG0019-REG	24 JAN 2002	11:15	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
	QGG0019 IMP-IASPOW-MW02-SS-QG0019-REG	24 JAN 2002	11:15	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

87 / 1301-02

02A141

Reference Document No: IMP-012402-EMAX

Page 3 of 3

	Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
19	QG0019	IMP-IASPOW-MW02-SS-QG0019-REG	24 JAN 2002	11:15	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QG0019	IMP-IASPOW-MW02-SS-QG0019-REG	24 JAN 2002	11:15	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
	QG0020	IMP-IASPOW-MW02-DS-QG0020-REG	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QG0020	IMP-IASPOW-MW02-DS-QG0020-REG	24 JAN 2002	11:20	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
	QG0020	IMP-IASPOW-MW02-DS-QG0020-REG	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		
20	QG0020	IMP-IASPOW-MW02-DS-QG0020-REG	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
	QG0020-MS	IMP-IASPOW-MW02-DS-QG0020-MS-MS	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
	QG0020-MS	IMP-IASPOW-MW02-DS-QG0020-MS-MS	24 JAN 2002	11:20	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
	QG0020-MS	IMP-IASPOW-MW02-DS-QG0020-MS-MS	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QG0020-MS	IMP-IASPOW-MW02-DS-QG0020-MS-MS	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		
	QG0020-MSD	IMP-IASPOW-MW02-DS-QG0020-MSD-MSD	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		
	QG0020-MSD	IMP-IASPOW-MW02-DS-QG0020-MSD-MSD	24 JAN 2002	11:20	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
	QG0020-MSD	IMP-IASPOW-MW02-DS-QG0020-MSD-MSD	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QG0020-MSD	IMP-IASPOW-MW02-DS-QG0020-MSD-MSD	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		
21	QG0021	IMP-IASPOW-MW02-DS-QG0021-FD	24 JAN 2002	11:20	5 g EnCore	3 None except cool to 4 C	Volatiles by 8260B	N		
	QG0021	IMP-IASPOW-MW02-DS-QG0021-FD	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, Semivolatiles by 8270C	N		
	QG0021	IMP-IASPOW-MW02-DS-QG0021-FD	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	OP Pesticides by 8141A	N		
	QG0021	IMP-IASPOW-MW02-DS-QG0021-FD	24 JAN 2002	11:20	8 oz CW-JAR	1 None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330	N		

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I₁₇/VW04-15ANALYSIS REQUEST AND
CHAIN OF CUSTODY RECORD

02D182

Reference Document No: IMP-042302-EMAX

Page 1 of 2

Project Number: 796887

Samples Shipment Date: 24 APR 2002

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Turnaround Time:

Project Contact: Tim Roth

Report To: Duane Nielsen

312 Directors Drive

Knoxville

TN 37923

72h REG Sample Only!!

Carrier/Waybill No.: Airborne/

Special Instructions: 72 hr turn REG Sample Only.. Not on MS/MSD

Possible Hazard Identification:

Non-hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown ☒

Sample Disposal:

Return to Client ☐Disposal by Lab ☒

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation)

Date: 4-24-02

Time: 1600

1. Received By
(Signature/Affiliation)

Date: 4-25-02

Time: 1030

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time:

Comments: None

COOLER # 1 = 2.3°C

2 = 2.7°C

3 = 3.0°C

4 = 3.2°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File CID	Condition On Receipt
1	QGG3001 IMP-IASPOW-MW01-GW-QG3001-REG	23 APR 2002	14:55	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N	
1	QGG3001 IMP-IASPOW-MW01-GW-QG3001-REG	23 APR 2002	14:55	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N	
2	QGG3002 IMP-IASPOW-MW02-GW-QG3002-REG	24 APR 2002	11:20	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N	
2	QGG3002 IMP-IASPOW-MW02-GW-QG3002-REG	24 APR 2002	11:20	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N	
2	QGG3002 IMP-IASPOW-MW02-GW-QG3002-REG	24 APR 2002	11:20	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N	
2	QGG3002 IMP-IASPOW-MW02-GW-QG3002-REG	24 APR 2002	11:20	1 L Amb. Glass	2	None except cool to 4 C	Semivolatiles by 8270C	N	
2	QGG3002 IMP-IASPOW-MW02-GW-QG3002-REG	24 APR 2002	11:20	1 L Amb. Glass	2	None except cool to 4 C	CI Herbicides by 8151A	N	
2	QGG3002 IMP-IASPOW-MW02-GW-QG3002-REG	24 APR 2002	11:20	1 L Amb. Glass	2	None except cool to 4 C	CI Pesticides by 8081A	N	



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I₁₇/vw04-15

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

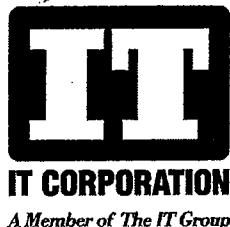
020182

Reference Document No: IMP-042302-EMAX

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
QG3002	IMP-IASPOW-MW02-GW-QG3002-REG	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	OP Pesticides by 8141A	N		
QG3002-MS	IMP-IASPOW-MW02-GW-QG3002-MS-MS	24 APR 2002	11:20	1 L HDPE	1 HNO ₃ <pH 2	TAL Metals by 6010B/7470A - Water	N		
QG3002-MS	IMP-IASPOW-MW02-GW-QG3002-MS-MS	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by 8330	N		
QG3002-MS	IMP-IASPOW-MW02-GW-QG3002-MS-MS	24 APR 2002	11:20	40 mL VOA Vial	3 HCl<pH 2	Volatiles by 8260B	N		
QG3002-MS	IMP-IASPOW-MW02-GW-QG3002-MS-MS	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	Semivolatiles by 8270C	N		
QG3002-MS	IMP-IASPOW-MW02-GW-QG3002-MS-MS	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	CI Herbicides by 8151A	N		
QG3002-MS	IMP-IASPOW-MW02-GW-QG3002-MS-MS	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	CI Pesticides by 8081A	N		
QG3002-MS	IMP-IASPOW-MW02-GW-QG3002-MS-MS	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	OP Pesticides by 8141A	N		
QG3002-MSD	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	24 APR 2002	11:20	1 L HDPE	1 HNO ₃ <pH 2	TAL Metals by 6010B/7470A - Water	N		
QG3002-MSD	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by 8330	N		
QG3002-MSD	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	24 APR 2002	11:20	40 mL VOA Vial	3 HCl<pH 2	Volatiles by 8260B	N		
QG3002-MSD	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	Semivolatiles by 8270C	N		
QG3002-MSD	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	CI Herbicides by 8151A	N		
QG3002-MSD	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	CI Pesticides by 8081A	N		
QG3002-MSD	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	OP Pesticides by 8141A	N		
QG3003	IMP-IASPOW-MW02-GW-QG3003-FD	24 APR 2002	11:20	1 L HDPE	1 HNO ₃ <pH 2	TAL Metals by 6010B/7470A - Water	N		
QG3003	IMP-IASPOW-MW02-GW-QG3003-FD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	Semivolatiles by 8270C	N		
QG3003	IMP-IASPOW-MW02-GW-QG3003-FD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	CI Herbicides by 8151A	N		
QG3003	IMP-IASPOW-MW02-GW-QG3003-FD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	CI Pesticides by 8081A	N		
QG3003	IMP-IASPOW-MW02-GW-QG3003-FD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	OP Pesticides by 8141A	N		
QG3003	IMP-IASPOW-MW02-GW-QG3003-FD	24 APR 2002	11:20	1 L Amb. Glass	2 None except cool to 4 C	Nitroaromatics by 8330	N		
QG3003	IMP-IASPOW-MW02-GW-QG3003-FD	24 APR 2002	11:20	40 mL VOA Vial	3 HCl<pH 2	Volatiles by 8260B	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

F10

021184

Reference Document No: IMP-092502-EMAX

Page 1 of 2

Project Number: 796887

Samples Shipment Date: 25 SEP 2002

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

Turnaround Time: *Normal*

Project Contact: Tim Roth

312 Directors Drive

Knoxville

TN 37923

Carrier/Waybill No.: UPS/

Special Instructions: None	
Possible Hazard Identification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒	Sample Disposal: Return to Client ☐ Disposal by Lab ☒ Archive (mos.)
1. Relinquished By (Signature/Affiliation) <i>[Signature]</i> <i>IT Corr.</i> Date: <i>9/25/02</i> Time: <i>1430</i>	1. Received By (Signature/Affiliation) <i>[Signature]</i> Date: <i>9-26-02</i> Time: <i>9:15A</i>
2. Relinquished By (Signature/Affiliation) Date: Time:	2. Received By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:	3. Received By (Signature/Affiliation) Date: Time:
Comments: None <i>Cooler #1 T=2.2'C</i> <i>Cooler #2 T=2.8'C</i> <i>Cooler #3 T=2.5'C</i>	

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
QG3005	IMP-IASPOW-MW02-GW-QG3005-REG	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	CI Pesticides by 8081A	N		
QG3005	IMP-IASPOW-MW02-GW-QG3005-REG	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	OP Pesticides by 8141A	N		
QG3005	IMP-IASPOW-MW02-GW-QG3005-REG	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N		
QG3005-MS	IMP-IASPOW-MW02-GW-QG3005-MS-MS	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N		
QG3005-MS	IMP-IASPOW-MW02-GW-QG3005-MS-MS	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	CI Pesticides by 8081A	N		
QG3005-MS	IMP-IASPOW-MW02-GW-QG3005-MS-MS	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	OP Pesticides by 8141A	N		
QG3005-MSD	IMP-IASPOW-MW02-GW-QG3005-MSD-MSD	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N		
QG3005-MSD	IMP-IASPOW-MW02-GW-QG3005-MSD-MSD	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	CI Pesticides by 8081A	N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

F10

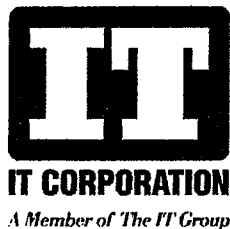
02 I184

Reference Document No: IMP-092502-EMAX

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
QG3005-MSD	IMP-IASPOW-MW02-GW-QG3005-MSD-MSD	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	OP Pesticides by 8141A	N	
QG3006	IMP-IASPOW-MW02-GW-QG3006-FD	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N	
QG3006	IMP-IASPOW-MW02-GW-QG3006-FD	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	OP Pesticides by 8141A	N	
QG3006	IMP-IASPOW-MW02-GW-QG3006-FD	24 SEP 2002	11:25	1 L Amb. Glass	2	None except cool to 4 C	CI Pesticides by 8081A	N	

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A9/V801-03

02 J019

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: IMP-100102-EMAX

Page 1 of 2

Project Number: 796887

Samples Shipment Date: 01 OCT 2002

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

Turnaround Time: *Normal*

Project Contact: Tim Roth

312 Directors Drive

Knoxville

TN 37923

Carrier/Waybill No.: UPS/

Special Instructions: None	
Possible Hazard Identification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒	
Sample Disposal: Return to Client ☐ Disposal by Lab ☒ Archive (mos.)	
1. Relinquished By (Signature/Affiliation) <i>[Signature]</i> <i>IT Corp</i>	Date: <i>10/01/02</i> Time: <i>1430</i>
1. Received By (Signature/Affiliation) <i>SITNIKOV</i>	Date: <i>10.02.02</i> Time: <i>9:15</i>
2. Relinquished By (Signature/Affiliation)	Date: Time:
2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:
3. Received By (Signature/Affiliation)	Date: Time:
Comments: None <i>T = 3.0°C</i>	

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File CID	Condition On Receipt
QG0030	IMP-IASPOW-GP14-SS-QG0030-REG	01 OCT 2002	09:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	
QG0030	IMP-IASPOW-GP14-SS-QG0030-REG	01 OCT 2002	09:15	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330, Semivolatiles by 8270C	N	
QG0030	IMP-IASPOW-GP14-SS-QG0030-REG	01 OCT 2002	09:15	8 oz CW-JAR	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A	N	
QG0031	IMP-IASPOW-GP14-DS-QG0031-REG	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330, Semivolatiles by 8270C	N	
QG0031	IMP-IASPOW-GP14-DS-QG0031-REG	01 OCT 2002	09:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	



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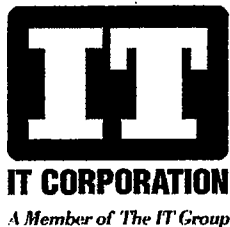
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: IMP-100102-EMAX

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
QG0031	IMP-IASPOW-GP14-DS-QG0031-REG	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A	N	
QG0031-MS	IMP-IASPOW-GP14-DS-QG0031-MS-MS	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330, Semivolatiles by 8270C	N	
QG0031-MS	IMP-IASPOW-GP14-DS-QG0031-MS-MS	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A	N	
2. QG0031-MS	IMP-IASPOW-GP14-DS-QG0031-MS-MS	01 OCT 2002	09:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	
2. QG0031-MSD	IMP-IASPOW-GP14-DS-QG0031-MSD-MSD	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330, Semivolatiles by 8270C	N	
QG0031-MSD	IMP-IASPOW-GP14-DS-QG0031-MSD-MSD	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A	N	
QG0031-MSD	IMP-IASPOW-GP14-DS-QG0031-MSD-MSD	01 OCT 2002	09:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	
3. QG0032	IMP-IASPOW-GP14-DS-QG0032-FD	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Nitroaromatics by 8330, Semivolatiles by 8270C	N	
3. QG0032	IMP-IASPOW-GP14-DS-QG0032-FD	01 OCT 2002	09:25	8 oz CW-JAR	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A, OP Pesticides by 8141A	N	
3. QG0032	IMP-IASPOW-GP14-DS-QG0032-FD	01 OCT 2002	09:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	
4. QG0033	IMP-IASPOW-GP15-SS-QG0033-REG	01 OCT 2002	09:58	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
5. QG0034	IMP-IASPOW-GP15-DS-QG0034-REG	01 OCT 2002	10:07	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
6. QG0035	IMP-IASPOW-GP16-SS-QG0035-REG	01 OCT 2002	10:26	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
7. QG0036	IMP-IASPOW-GP16-DS-QG0036-REG	01 OCT 2002	10:35	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	

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B5/vwof-11

02J054

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: IMP(w)-100302-EMAX

Page 1 of 2

Project Number: 796887

Samples Shipment Date: 03 OCT 2002

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

312 Directors Drive

Knoxville

TN 37923

Turnaround Time: *Normal*

Project Contact: Tim Roth

Carrier/Waybill No.: UPS/

Special Instructions: None

Possible Hazard Identification:

Non-hazard ☐

Flammable ☐

Skin Irritant ☐

Poison B ☐

Unknown ☒

Sample Disposal:

Return to Client ☐

Disposal by Lab ☒

Archive

(mos.)

1. Relinquished By
(Signature/Affiliation) *Keith Stegwe* *IT Corp*

Date: 10/3/02

Time: 1430

1. Received By
(Signature/Affiliation) *[Signature]*

Date: 10-4-02

Time: 0930

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time:

Comments: None

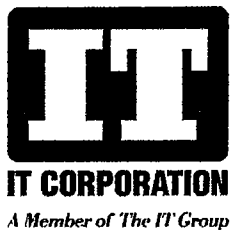
COOLER #1 T = 3.0°C

COOLER #2 T = 3.5°C

COOLER #3 T = 3.7°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File	CID	Condition On Receipt
100202-ER	FIELDQC-BW-100202-ER-ER	02 OCT 2002	08:00	40 ml VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
100202-ER	FIELDQC-BW-100202-ER-ER	02 OCT 2002	08:00	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N		
100202-ER	FIELDQC-BW-100202-ER-ER	02 OCT 2002	08:00	1 L Amb. Glass	2	None except cool to 4 C	CI Pesticides by 8081A	N		
100202-ER	FIELDQC-BW-100202-ER-ER	02 OCT 2002	08:00	1 L Amb. Glass	2	None except cool to 4 C	OP Pesticides by 8141A	N		
100202-ER2	FIELDQC-BW-100202-ER2-ER	01 OCT 2002	15:00	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		
100202-ER2	FIELDQC-BW-100202-ER2-ER	01 OCT 2002	15:00	1 L Amb. Glass	1	None except cool to 4 C	Nitroaromatics by 8330	N		
100202-ER2	FIELDQC-BW-100202-ER2-ER	01 OCT 2002	15:00	1 L Amb. Glass	2	None except cool to 4 C	Semivolatiles by 8270C	N		
100202-ER2	FIELDQC-BW-100202-ER2-ER	01 OCT 2002	15:00	40 ml VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		

1001



B5/VW04-11

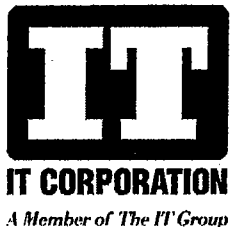
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: IMP(w)-100302-EMAX

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
100202-ER2	FIELDQC-BW-100202-ER2-ER	01 OCT 2002	15:00	1 L Amb. Glass	1	None except cool to 4 C	CI Herbicides by 8151A	N	
100202-ER2	FIELDQC-BW-100202-ER2-ER	01 OCT 2002	15:00	1 L Amb. Glass	1	None except cool to 4 C	CI Pesticides by 8081A	N	
100202-ER2	FIELDQC-BW-100202-ER2-ER	01 OCT 2002	15:00	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N	
QG3004	IMP-IASPOW-MW01-GW-QG3004-REG	02 OCT 2002	09:15	1 L Amb. Glass	2	None except cool to 4 C	Nitroaromatics by 8330	N	
QG3004	IMP-IASPOW-MW01-GW-QG3004-REG	02 OCT 2002	09:15	1 L Amb. Glass	2	None except cool to 4 C	CI Pesticides by 8081A	N	
QG3004	IMP-IASPOW-MW01-GW-QG3004-REG	02 OCT 2002	09:15	1 L Amb. Glass	2	None except cool to 4 C	OP Pesticides by 8141A	N	

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025055

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: IMP(s)-100302-EMAX

Page 1 of 2

Project Number: 796887

Samples Shipment Date: 03 OCT 2002

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

312 Directors Drive

Knoxville

TN 37923

Turnaround Time: *Normal*

Project Contact: Tim Roth

Carrier/Waybill No.: UPS/

Special Instructions: None

Possible Hazard Identification:

Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:

Return to Client ☐ Disposal by Lab ☒ Archive (mos.)1. Relinquished By
(Signature/Affiliation)*[Signature]*IT
Corp

Date: 10/3/02

Time: 1430

1. Received By
(Signature/Affiliation)*[Signature]*

Date: 10-4-02

Time: 0930

2. Relinquished By
(Signature/Affiliation)Date:
Time:2. Received By
(Signature/Affiliation)Date:
Time:3. Relinquished By
(Signature/Affiliation)Date:
Time:3. Received By
(Signature/Affiliation)Date:
Time:

Comments: None

*COOLER # 1 T = 3.0°C
COOLER # 3 T = 3.7°C*

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File CID	Condition On Receipt
QG0022	IMP-IASPOW-GP10-SS-QG0022-REG	02 OCT 2002	10:20	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0023	IMP-IASPOW-GP10-DS-QG0023-REG	02 OCT 2002	10:26	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0024	IMP-IASPOW-GP11-SS-QG0024-REG	02 OCT 2002	14:52	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0025	IMP-IASPOW-GP11-DS-QG0025-REG	02 OCT 2002	14:58	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0026	IMP-IASPOW-GP12-SS-QG0026-REG	02 OCT 2002	14:22	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0027	IMP-IASPOW-GP12-DS-QG0027-REG	02 OCT 2002	14:31	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0028	IMP-IASPOW-GP13-SS-QG0028-REG	02 OCT 2002	09:29	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0029	IMP-IASPOW-GP13-DS-QG0029-REG	02 OCT 2002	09:33	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

025055

Reference Document No: IMP(s)-100302-EMAX

Page 2 of 2

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
QG0037	IMP-IASPOW-GP17-SS-QG0037-REG	02 OCT 2002	08:31	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0038	IMP-IASPOW-GP17-DS-QG0038-REG	02 OCT 2002	08:47	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0039	IMP-IASPOW-GP18-SS-QG0039-REG	02 OCT 2002	08:58	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0040	IMP-IASPOW-GP18-DS-QG0040-REG	02 OCT 2002	09:06	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0041	IMP-IASPOW-GP19-SS-QG0041-REG	02 OCT 2002	11:15	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0042	IMP-IASPOW-GP19-DS-QG0042-REG	02 OCT 2002	11:21	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0043	IMP-IASPOW-GP20-SS-QG0043-REG	02 OCT 2002	10:36	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	
QG0044	IMP-IASPOW-GP20-DS-QG0044-REG	02 OCT 2002	10:45	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N	

1003



IT CORPORATION

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ANALYSIS REQUEST AND
CHAIN OF CUSTODY RECORD02J281
Reference Document No: IMP-102902-EMAX
Page 1 of 1

Project Number: 796887

Samples Shipment Date: 29 OCT 2002

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

312 Directors Drive

Knoxville

TN 37923

Turnaround Time: *Normal*

Project Contact: Tim Roth

Carrier/Waybill No.: UPS/

Special Instructions: None

Possible Hazard Identification:

Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:

Return to Client ☐ Disposal by Lab ☒ Archive (mos.)1. Relinquished By
(Signature/Affiliation)*[Signature]* - *IT Corp*

Date: 10/29/02

Time: 1600

1. Received By
(Signature/Affiliation)*[Signature]*

Date: 10-31-02

Time: 0915

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

Time:

Comments: None

COOLER #4 T=3.4°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
1 QG0045	IMP-IASPOW-GP03-DS-QG0045-REG	29 OCT 2002	07:33	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N		
2 QG0046	IMP-IASPOW-GP03-DS-QG0046-FD	29 OCT 2002	07:33	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N		

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**Chain of Custody for
2022 Sampling Event**

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Test America
 Lab Contact Jon Lawhon; Amy Ragnaldsen
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcels 100Q & 101Q, Impact Area
 Task # 21.094.22-33.1.500

COC Number 6550
 Cooler ID 1 of 1
 Page 1 of 1

Samplers Signature 

SWMU	Station ID	QC Code	Station Code	Matrix	Sample Method	Date Collected	Sample Time	Analysis SW60200B - Metals 1 - 4 oz amber jar, None	Notes
100Q & 101Q Impact Area	IA-GP10COMP-2021	NS	SS	SO	C	1-14-2022	1401	X	
100Q & 101Q Impact Area	IA-GP10COMP-2021	MS/MSD	SS	SO	C	1-14-2022	1401	X X	2-4oz Ambers Jars
100Q & 101Q Impact Area	IA-GP12COMP-2021	NS	SS	SO	C	1-14-2022	1134	X	
100Q & 101Q Impact Area	IA-GP15COMP-2021	NS	SS	SO	C	1-14-2022	1000	X	
Dup → 100Q & 101Q Impact Area	IA-GP10COMP-2021	NS	DS	SO	C	1-14-2022	1500	X	
100Q & 101Q Impact Area	IA-GP12COMP-2021	NS	DS	SO	C	1-14-2022	1320	X	
100Q & 101Q Impact Area	IA-GP15COMP-2021	NS	DS	SO	C	1-14-2022	1102	X	
100Q & 101Q Impact Area	DUP 398	FD	DS	SO	C	1-14-2022	N/A	X	
100Q & 101Q Impact Area	EB 141	EB	SS	W	G	1-15-2022	1435	—	1- 250mL Poly, HNO3 (SW 6020A/7470A Metals Table)

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type = MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

Double the number of bottles for MS/MSD

Relinquished by (Signature): 

Date/Time: 1-17-2022/1600

Received by (Signature): Fedex

Relinquished by (Signature):

Date/Time:

Received by (Signature):

APPENDIX B

BORING LOGS AND WELL CONSTRUCTION LOGS

BORING LOGS

HTRW DRILLING LOG

District: **Mobile USACE**HOLE NUMBER
IMP-IASPOW-GP011. Company name: **Shaw Environmental, Inc.**2. Drill Subcontractor: **ESN**

Sheet 1 of 2 sheets

3. Project: **Fort McClellan**4. Location: **Calhoun County, Alabama**5. Name of driller: **Sammy McDaniel**6. Mfr. designation of drill: **Geoprobe**

7. Sizes and types of drilling and sampling equipment:

Direct Push

DP - 4"x2" Acetate-Lined Sampler

8. Hole location: **Impact Area South of Former POW Training Facility**9. Surface elevation (feet above mean sea level): **781.7**10. Date started: **01/23/02**11. Date completed: **01/23/02**12. Overburden thickness (feet bgs): **>4**15. Depth groundwater encountered (feet bgs): **NA**13. Depth drilled into rock (feet bgs): **0**16. Depth to water and elapsed
time after drilling completed (feet bgs): **NA**14. Total depth of hole (feet bgs): **4**17. Other water level measurements (specify): **NA**18. Geotechnical
samples:

Collected:

Disturbed:

Undisturbed:

19. Total no. of core boxes: **NA**

NA

NA

NA

20. Samples for chemical
analysis:

VOC

Metals

Other (specify)

Other (specify)

Other (specify)

21. Total core
recovery:

NA

Yes

Explosives

NA

NA

NA

22. Disposition of hole:

Backfilled

Monitoring well

Other (specify)

Geologist:

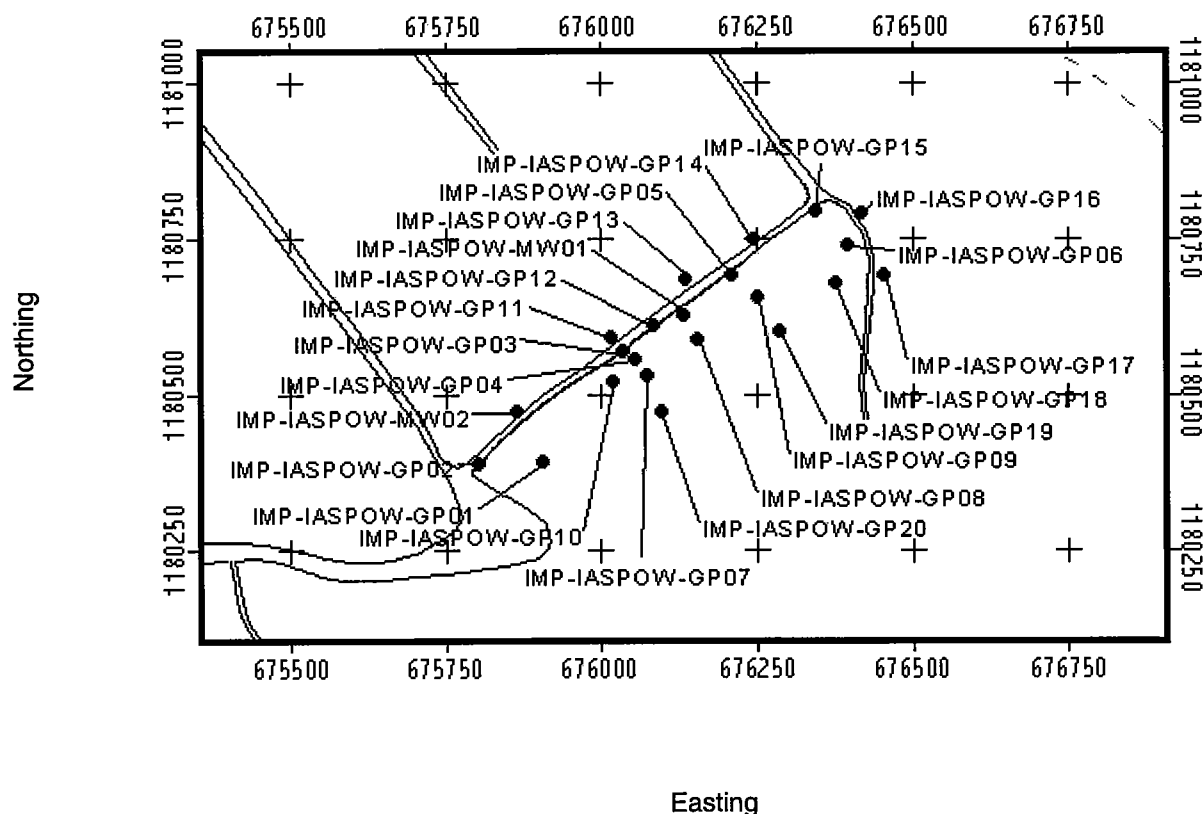
Bentonite

NA

NA

Cindy Levaas

LOCATION SKETCH/COMMENTS:

Project: **Fort McClellan**bgs= below ground surface
NA = Not applicableHole no.: **IMP-IASPOW-GP01**

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-GP01

Project: Fort McClellan

Geologist: Cindy Levaas

Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	cl: Light brown, moist, stiff CLAY.			Organic Vapor = 0.0ppm				Rec 2.3'/4.0' (0-4' bgs)
	1						QG0001		
780	2		cl						
	3						QG0002		
	4								Bottom of borehole at 4' bgs

HTRW DRILLING LOG

District: **Mobile USACE**HOLE NUMBER
IMP-IASPOW-GP021. Company name: **Shaw Environmental, Inc.**2. Drill Subcontractor: **ESN**

Sheet 1 of 2 sheets

3. Project: **Fort McClellan**4. Location: **Calhoun County, Alabama**5. Name of driller: **Sammy McDaniel**6. Mfr. designation of drill: **Geoprobe**

7. Sizes and types of drilling and sampling equipment:

Direct Push

DP - 4"x2" Acetate-Lined Sampler

8. Hole location: **Impact Area South of Former POW Training Facility**9. Surface elevation (feet above mean sea level): **775.08**10. Date started: **01/23/02**11. Date completed: **01/23/02**12. Overburden thickness (feet bgs): **>4**15. Depth groundwater encountered (feet bgs): **NA**13. Depth drilled into rock (feet bgs): **0**16. Depth to water and elapsed
time after drilling completed (feet bgs): **NA**14. Total depth of hole (feet bgs): **4**17. Other water level measurements (specify): **NA**18. Geotechnical
samples:

Collected:

Disturbed:

Undisturbed:

19. Total no. of core boxes: **NA**

NA

NA

NA

20. Samples for chemical
analysis:

VOC

Metals

Other (specify)

Other (specify)

Other (specify)

21. Total core
recovery:

NA

Yes

Explosives

NA

NA

NA

22. Disposition of hole:

Backfilled

Monitoring well

Other (specify)

Geologist:

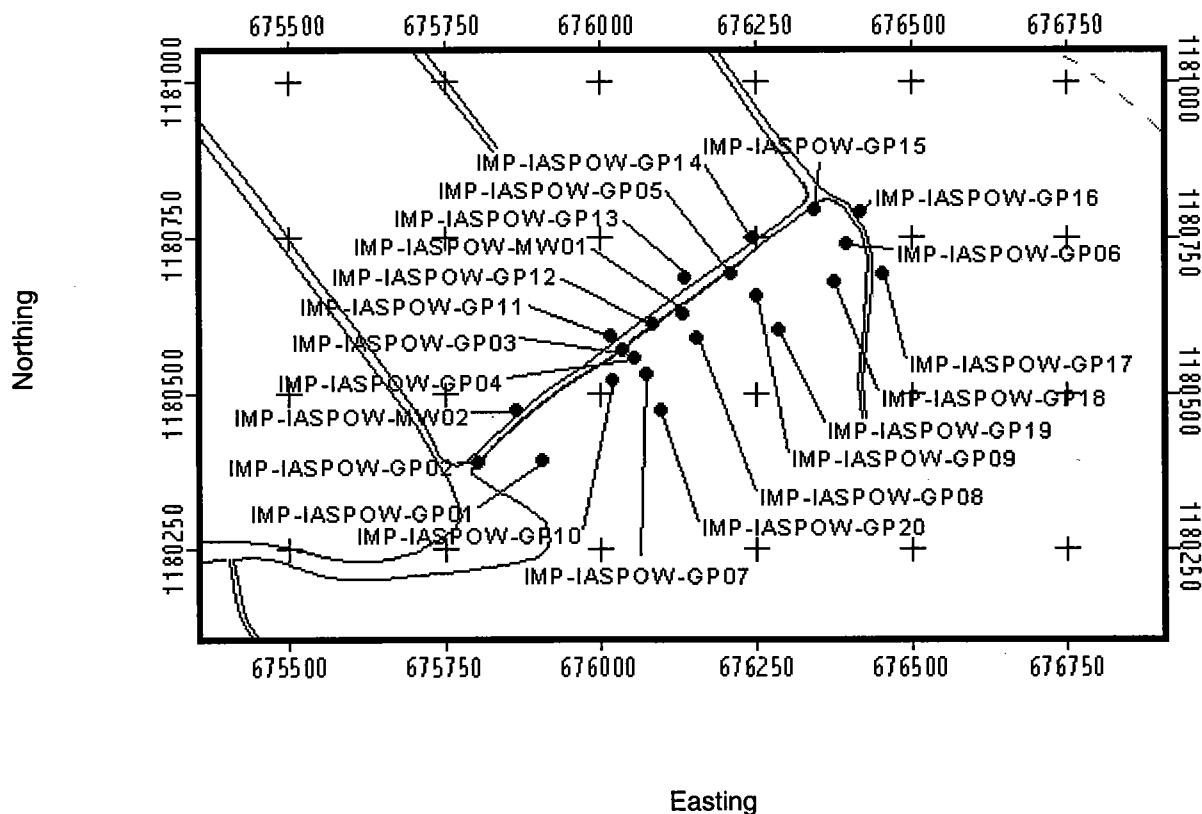
Bentonite

NA

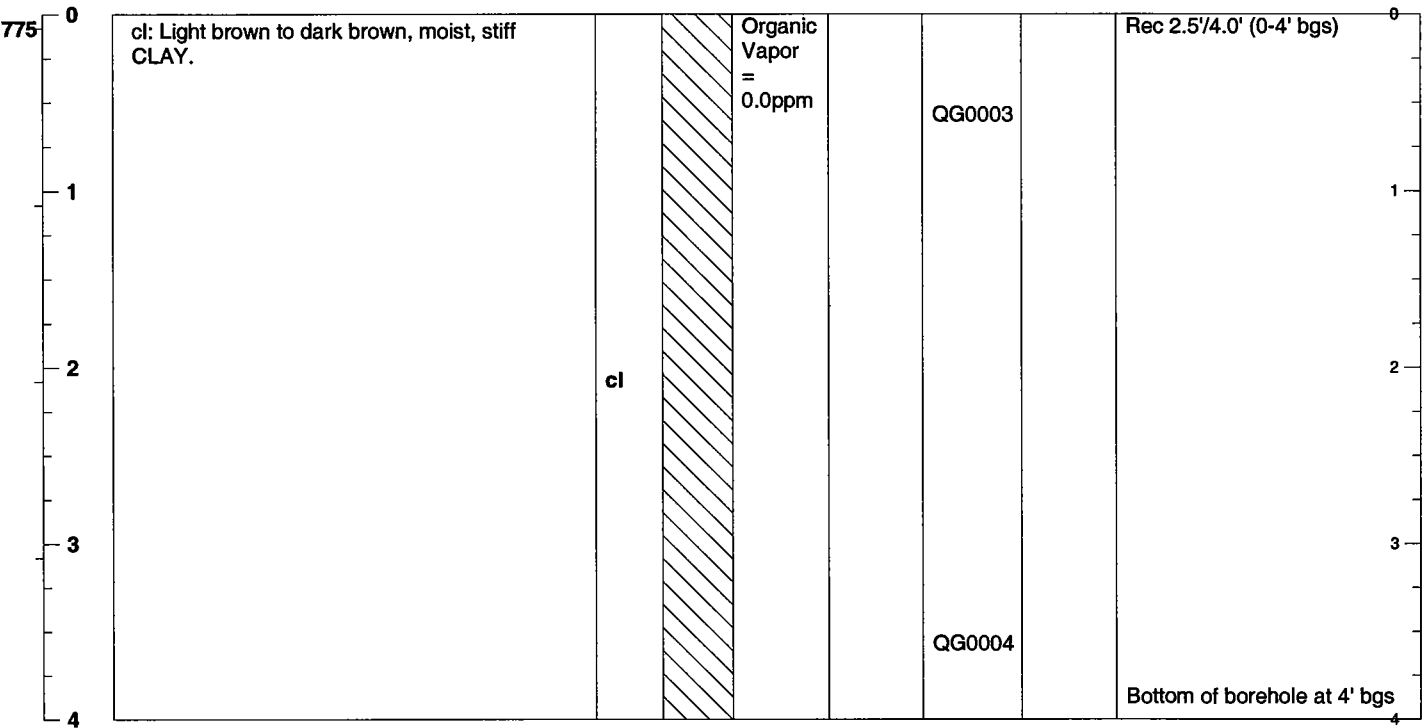
NA

Cindy Levaas

LOCATION SKETCH/COMMENTS:

Project: **Fort McClellan**bgs= below ground surface
NA = Not applicableHole no.: **IMP-IASPOW-GP02**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP02		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOG

District: **Mobile USACE**HOLE NUMBER
IMP-IASPOW-GP031. Company name: **Shaw Environmental, Inc.**2. Drill Subcontractor: **ESN**

Sheet 1 of 2 sheets

3. Project: **Fort McClellan**4. Location: **Calhoun County, Alabama**5. Name of driller: **Sammy McDaniel**6. Mfr. designation of drill: **Geoprobe**

7. Sizes and types of drilling and sampling equipment:

Direct Push

DP - 4"x2" Acetate-Lined Sampler

8. Hole location: **Impact Area South of Former POW Training Facility**9. Surface elevation (feet above mean sea level): **779.85**10. Date started: **01/23/02**11. Date completed: **10/29/02**12. Overburden thickness (feet bgs): **>6**15. Depth groundwater encountered (feet bgs): **NA**13. Depth drilled into rock (feet bgs): **0**16. Depth to water and elapsed
time after drilling completed (feet bgs): **NA**14. Total depth of hole (feet bgs): **6**17. Other water level measurements (specify): **NA**18. Geotechnical
samples:

Collected:

Disturbed:

Undisturbed:

19. Total no. of core boxes: **NA**

NA

NA

NA

20. Samples for chemical
analysis:

VOC

Metals

Other (specify)

Other (specify)

Other (specify)

21. Total core
recovery:

NA

Yes

Explosives

NA

NA

NA

22. Disposition of hole:

Backfilled

Monitoring well

Other (specify)

Geologist:

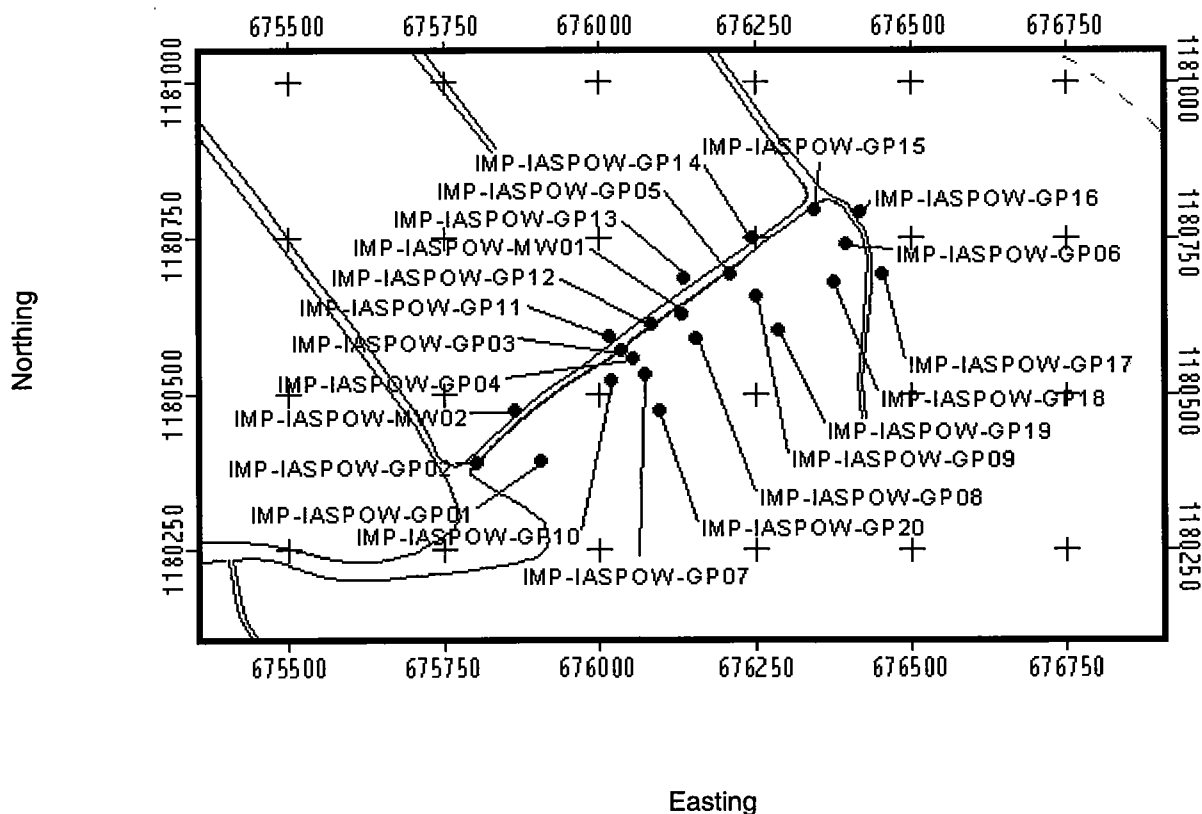
Bentonite

NA

NA

Cindy Levaas/Deborah Allan

LOCATION SKETCH/COMMENTS:

Project: **Fort McClellan**bgs= below ground surface
NA = Not applicableHole no.: **IMP-IASPOW-GP03**

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-GP03

Project: Fort McClellan

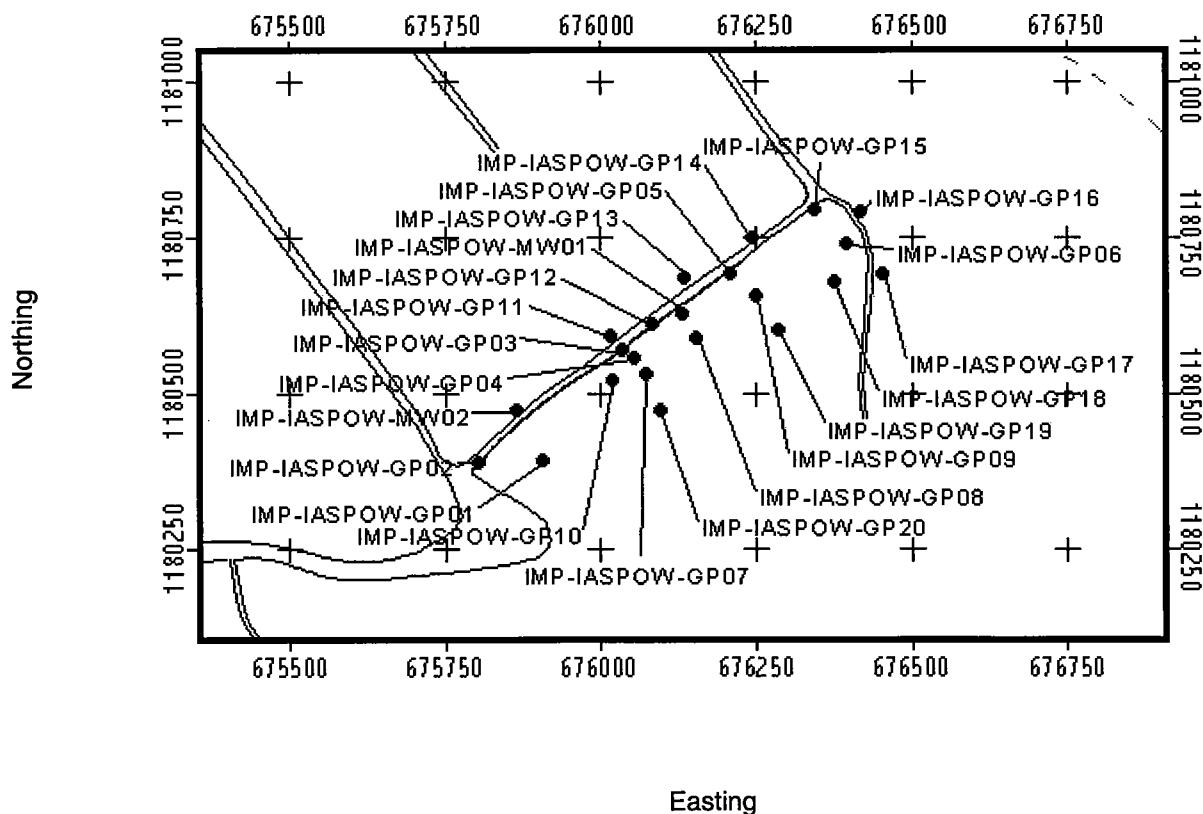
Geologist: Cindy Levaas/Deborah Allan

Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	cl: Light brown to dark brown, moist, stiff CLAY.			Organic Vapor = 3.8ppm				Rec 2.3'/4.0' (0-4' bgs)
	1						QG0005		
	2		cl						
	3				Organic Vapor = 0.0ppm		QG0006		
	4	sc: Reddish brown moist medium stiff CLAY and fine to medium SAND, little Silt, little subangular sandstone Gravel.			Organic Vapor = 0.0ppm				Rec 1.0'/2.0' (4-6' bgs)
775	5		sc				QG0045 QG0046		
	6								Bottom of borehole at 6' bgs

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP04		
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: ESN		Sheet 1 of 2 sheets		
3. Project: Fort McClellan			4. Location: Calhoun County, Alabama			
5. Name of driller: Sammy McDaniel			6. Mfr. designation of drill: Geoprobe			
7. Sizes and types of drilling and sampling equipment: Direct Push DP - 4"x2" Acetate-Lined Sampler			8. Hole location: Impact Area South of Former POW Training Facility			
			9. Surface elevation (feet above mean sea level): 782.41			
			10. Date started: 01/24/02	11. Date completed: 01/24/02		
12. Overburden thickness (feet bgs): >4			15. Depth groundwater encountered (feet bgs): NA			
13. Depth drilled into rock (feet bgs): 0			16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4			17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	Yes/SVOCs	Yes	Explosives	Pesticides	Herbicides	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	Bentonite	NA	NA	Cindy Levaas		

LOCATION SKETCH/COMMENTS:

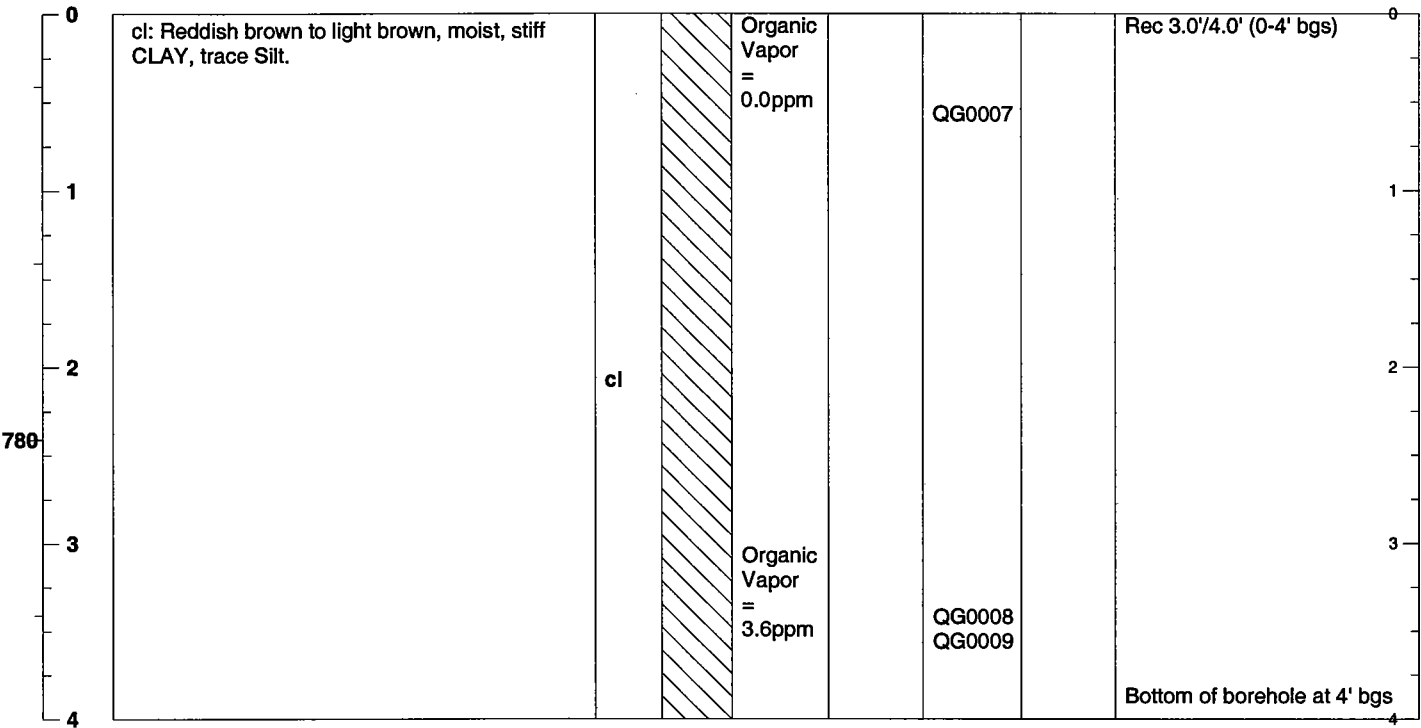


Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

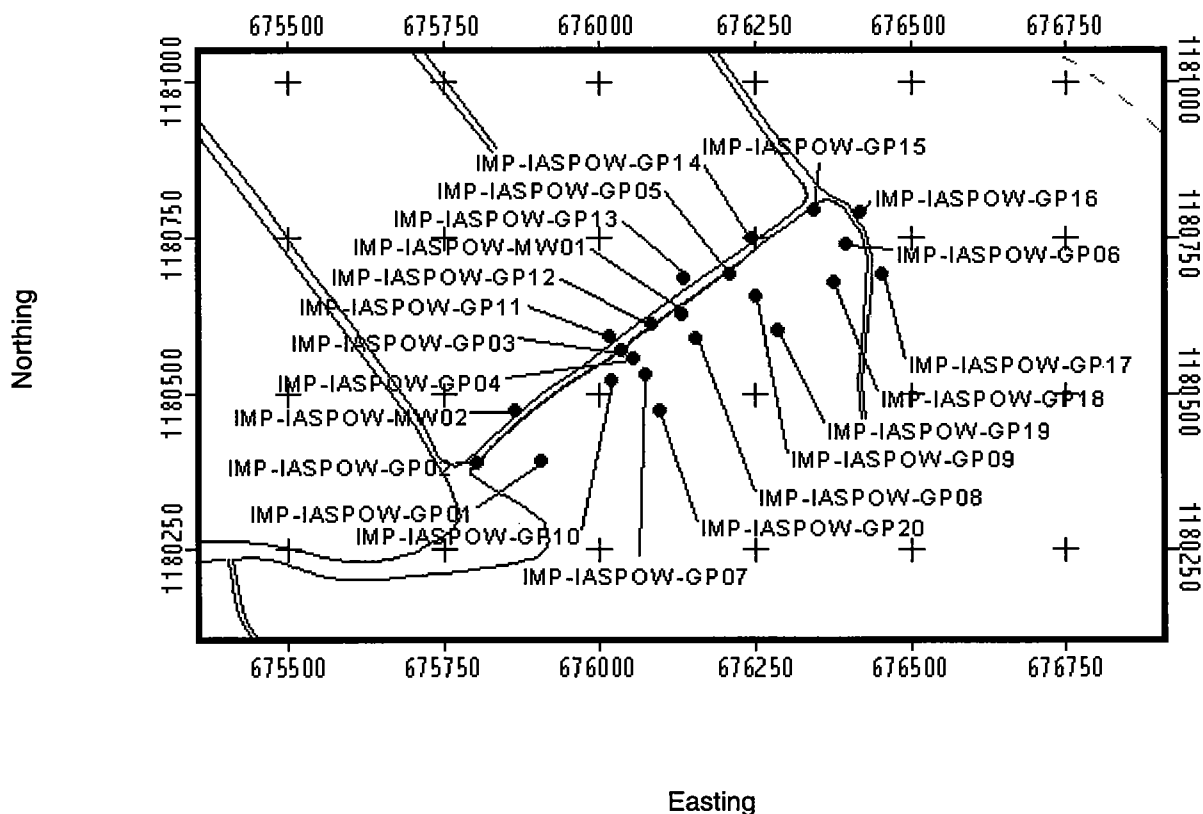
Hole no.: **IMP-IASPOW-GP04**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP04		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP05	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: ESN		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Sammy McDaniel		6. Mfr. designation of drill: Geoprobe			
7. Sizes and types of drilling and sampling equipment: Direct Push DP - 4"x2" Acetate-Lined Sampler		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 784.95			
		10. Date started: 01/23/02	11. Date completed: 01/23/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): NA			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	Explosives	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	Bentonite	NA	NA	Cindy Levaas	

LOCATION SKETCH/COMMENTS:

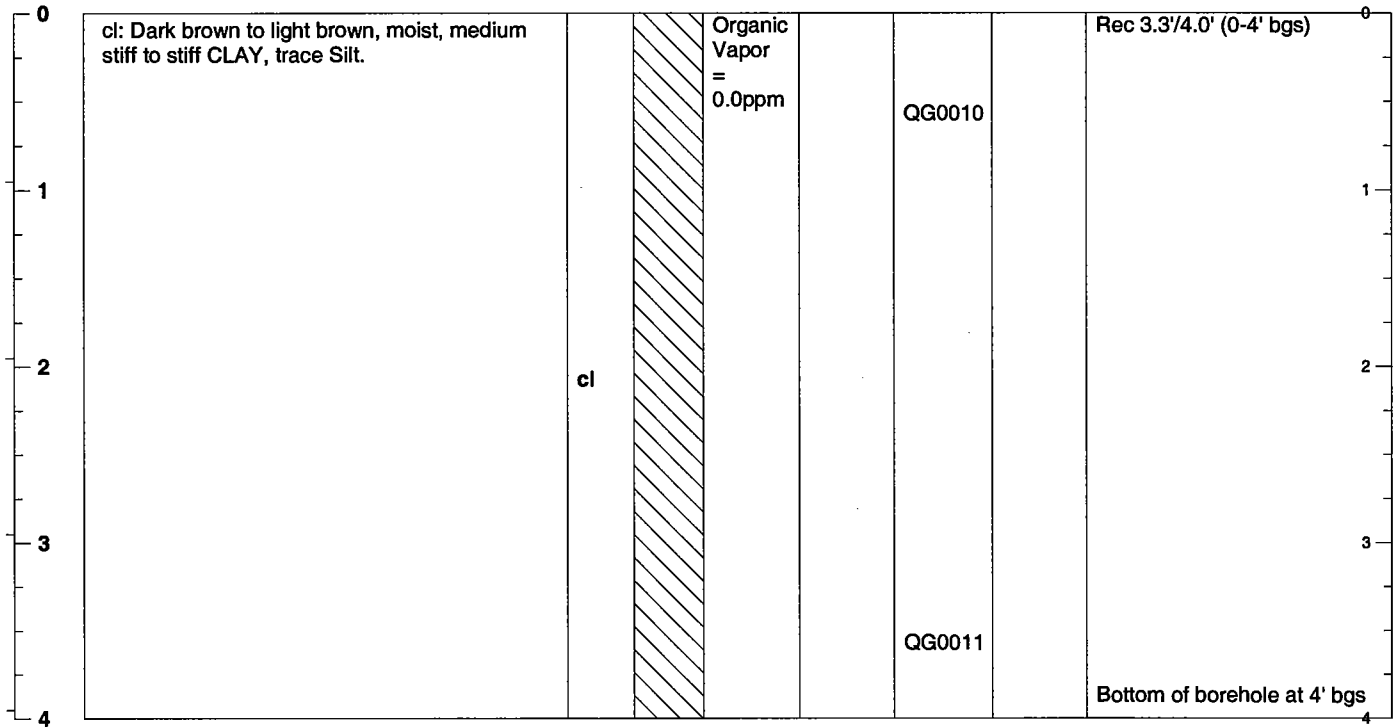


Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

Hole no.: **IMP-IASPOW-GP05**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP05		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOGDistrict: **Mobile USACE****HOLE NUMBER**

IMP-IASPOW-GP06

1. Company name: **Shaw Environmental, Inc.**2. Drill Subcontractor: **ESN**

Sheet 1 of 2 sheets

3. Project: **Fort McClellan**4. Location: **Calhoun County, Alabama**5. Name of driller: **Sammy McDaniel**6. Mfr. designation of drill: **Geoprobe**

7. Sizes and types of drilling and sampling equipment:

Direct Push

DP - 4"x2" Acetate-Lined Sampler

8. Hole location: **Impact Area South of Former POW Training Facility**9. Surface elevation (feet above mean sea level): **791.39**10. Date started: **01/24/02**11. Date completed: **01/24/02**12. Overburden thickness (feet bgs): **>4**15. Depth groundwater encountered (feet bgs): **NA**13. Depth drilled into rock (feet bgs): **0**16. Depth to water and elapsed
time after drilling completed (feet bgs): **NA**14. Total depth of hole (feet bgs): **4**17. Other water level measurements (specify): **NA**18. Geotechnical
samples:

Collected:

Disturbed:

Undisturbed:

19. Total no. of core boxes: **NA**

NA

NA

NA

20. Samples for chemical
analysis:

VOC

Metals

Other (specify)

Other (specify)

Other (specify)

21. Total core
recovery:

NA

Yes

Explosives

NA

NA

NA

22. Disposition of hole:

Backfilled

Monitoring well

Other (specify)

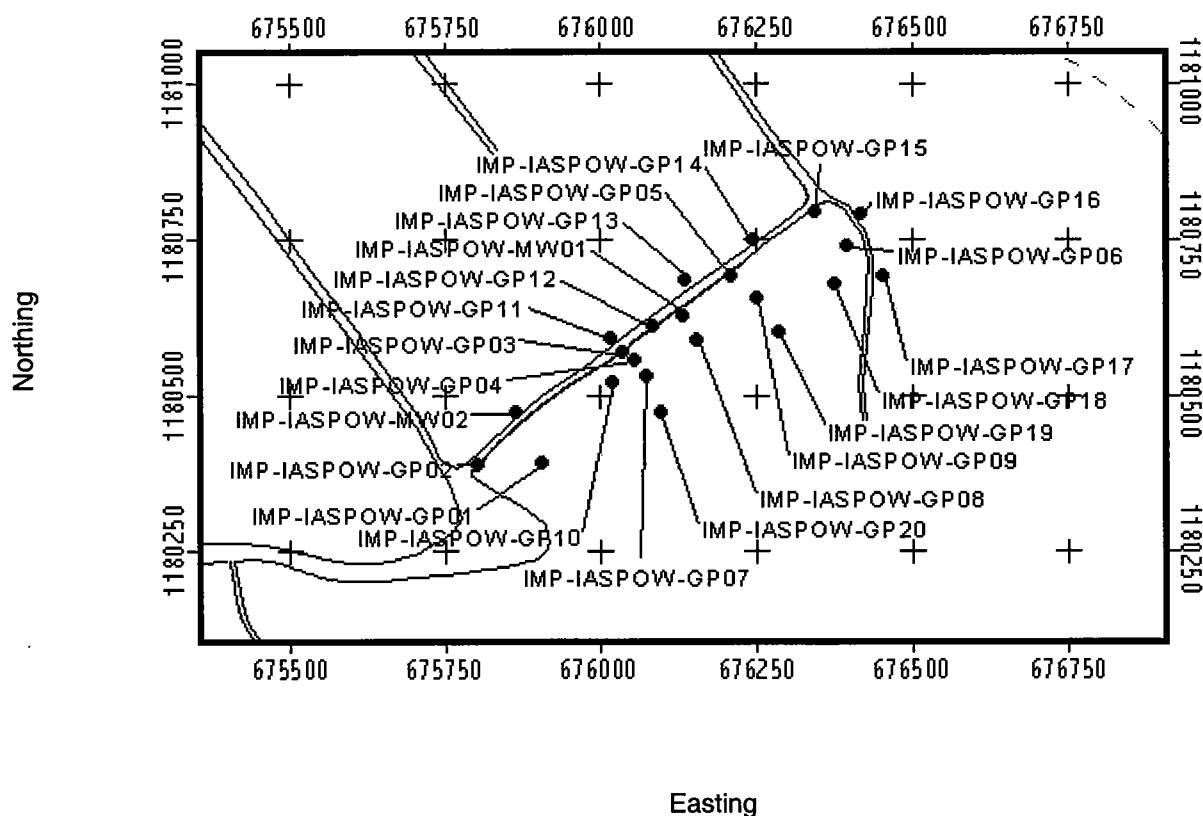
Geologist:

Bentonite

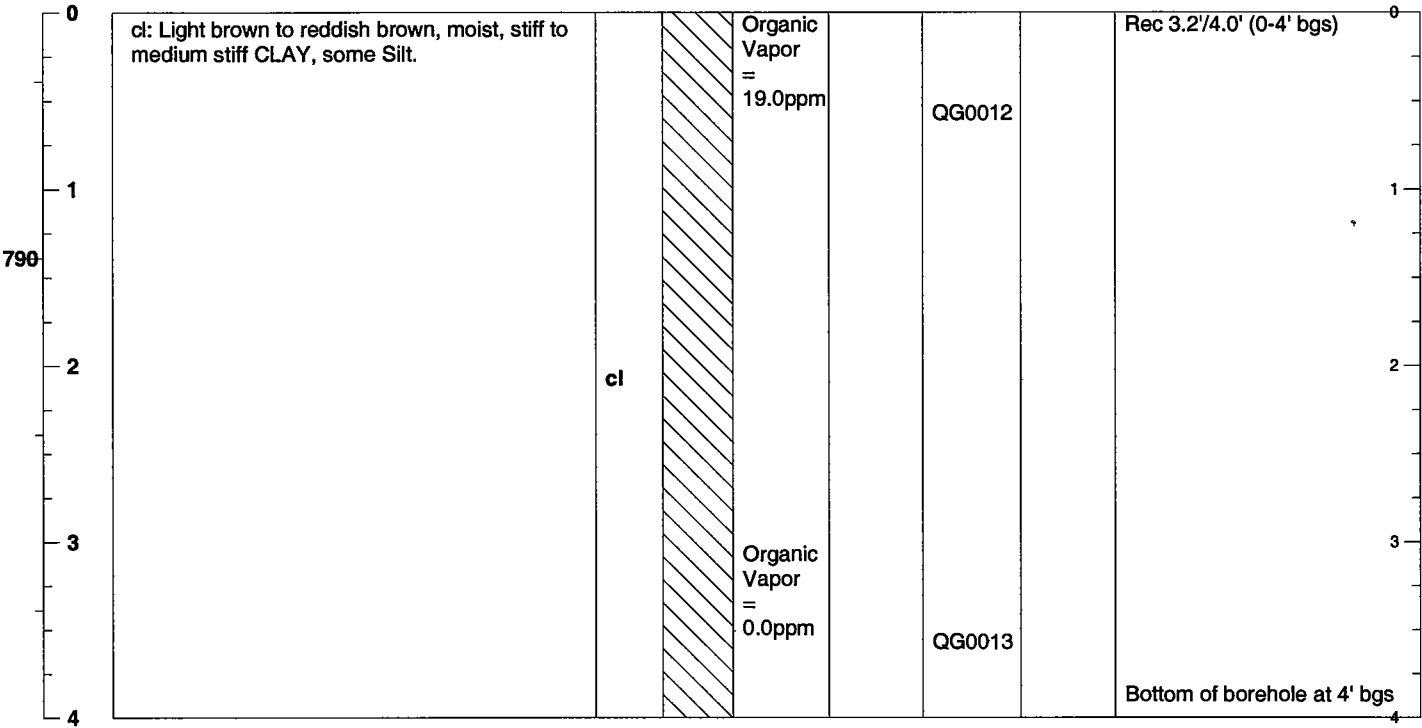
NA

NA

Cindy Levaas

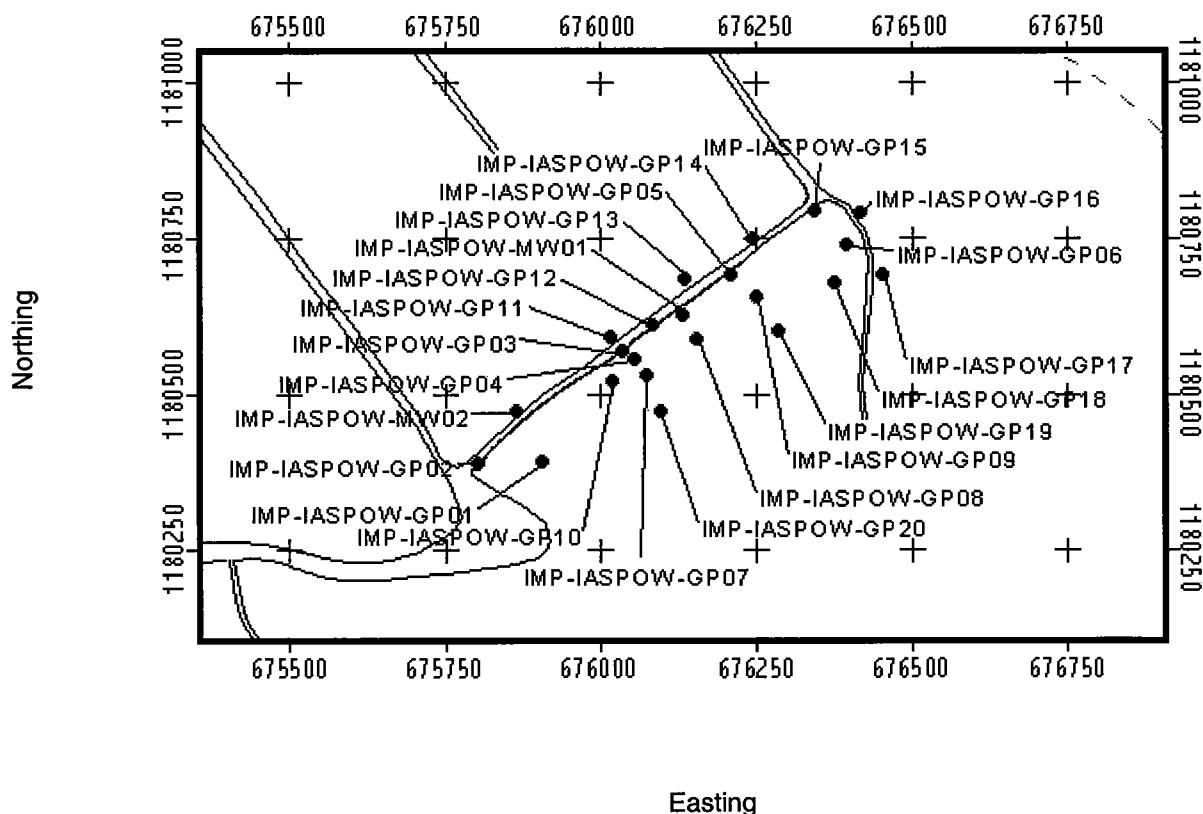
LOCATION SKETCH/COMMENTS:Project: **Fort McClellan**bgs= below ground surface
NA = Not applicableHole no.: **IMP-IASPOW-GP06**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP06		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP07	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: ESN		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Sammy McDaniel		6. Mfr. designation of drill: Geoprobe			
7. Sizes and types of drilling and sampling equipment: Direct Push DP - 4"x2" Acetate-Lined Sampler		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 784.27			
		10. Date started: 01/23/02	11. Date completed: 01/23/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): NA			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	21. Total core recovery:
	NA	Yes	Explosives	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	Bentonite	NA	NA	Cindy Levaas	

LOCATION SKETCH/COMMENTS:

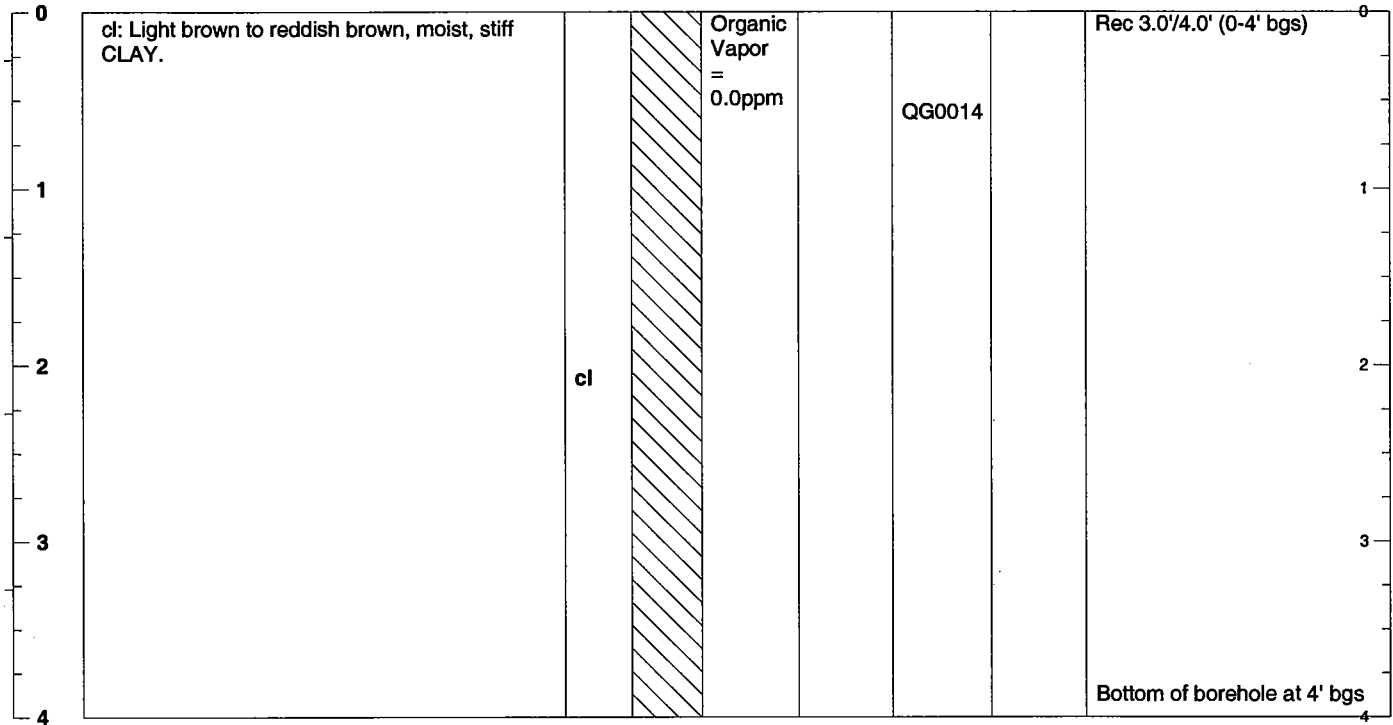


Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

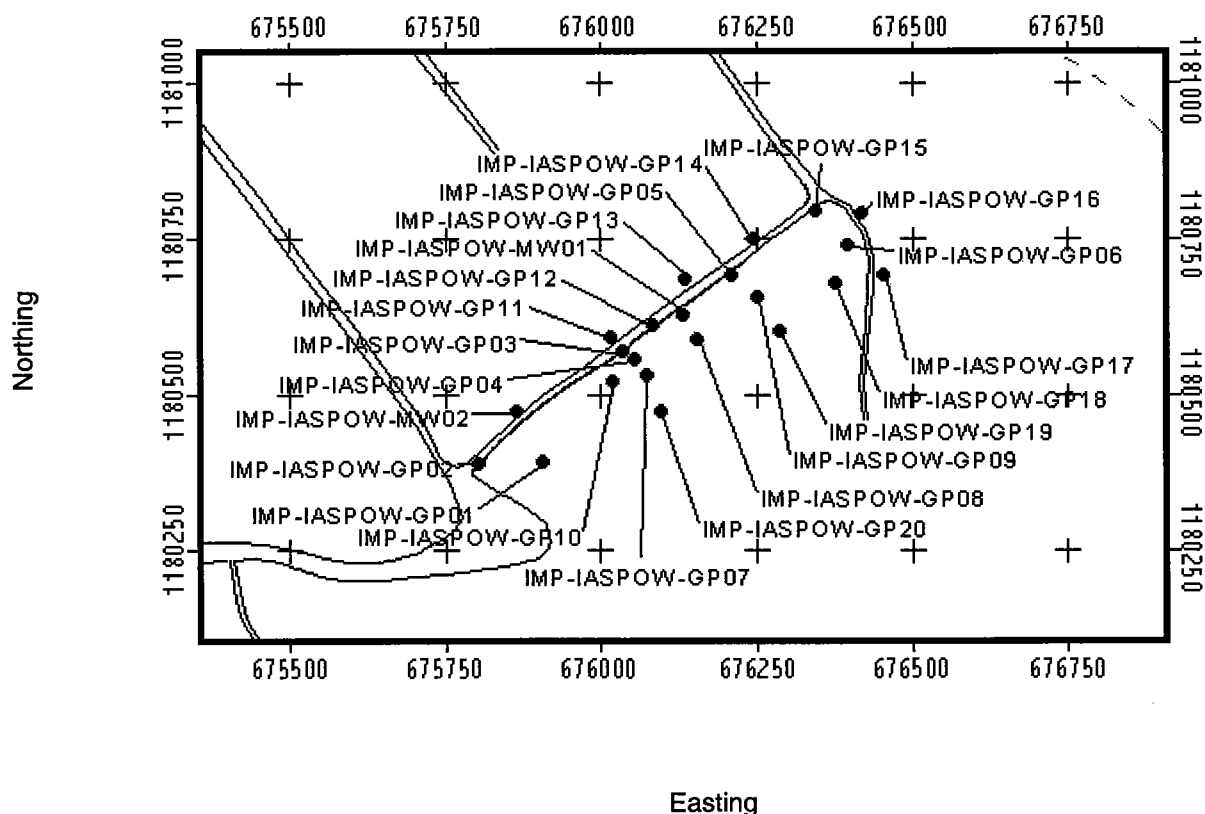
Hole no.: **IMP-IASPOW-GP07**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP07		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP08	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: ESN		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Sammy McDaniel		6. Mfr. designation of drill: Geoprobe			
7. Sizes and types of drilling and sampling equipment: Direct Push DP - 4'x2" Acetate-Lined Sampler		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 788.68			
		10. Date started: 01/23/02	11. Date completed: 01/23/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): NA			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	Explosives	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: Cindy Levaas	
	Bentonite	NA	NA		

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

Hole no.: **IMP-IASPOW-GP08**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP08		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

0		cl: Light brown to reddish brown, moist, stiff CLAY.			Organic Vapor = 0.0ppm				Rec 2.5'/4.0' (0-4' bgs)	0
1							QG0015			1
2			cl							2
3										3
785										
4									Bottom of borehole at 4' bgs	4

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP09	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: ESN		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Sammy McDaniel		6. Mfr. designation of drill: Geoprobe			
7. Sizes and types of drilling and sampling equipment: Direct Push DP - 4"x2" Acetate-Lined Sampler		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 796.67			
		10. Date started: 01/24/02	11. Date completed: 01/24/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): NA			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	Explosives	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	Bentonite	NA	NA	Cindy Levaas	

LOCATION SKETCH/COMMENTS:

Project: Fort McClellan	bgs= below ground surface NA = Not applicable	Hole no.: IMP-IASPOW-GP09

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-GP09

Project: Fort McClellan

Geologist: Cindy Levaas

Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	cl: Dark brown to light brown, moist, stiff CLAY, little Silt, trace medium Sand.			Organic Vapor = 7.0ppm		QG0016		Rec 2.5'/4.0' (0-4' bgs)
	1								
795	2		cl						
	3								
	4								Bottom of borehole at 4' bgs

HTRW DRILLING LOG

District: **Mobile USACE**HOLE NUMBER
IMP-IASPOW-GP101. Company name: **Shaw Environmental, Inc.**2. Drill Subcontractor: **NA**

Sheet 1 of 2 sheets

3. Project: **Fort McClellan**4. Location: **Calhoun County, Alabama**5. Name of driller: **Reginald Goins**6. Mfr. designation of drill: **Hand Auger**7. Sizes and types of drilling and sampling equipment:
Hand Auger8. Hole location: **Impact Area South of Former POW Training Facility**9. Surface elevation (feet above mean sea level): **792.55**10. Date started: **10/02/02**11. Date completed: **10/02/02**12. Overburden thickness (feet bgs): **>4**15. Depth groundwater encountered (feet bgs): **Not encountered**13. Depth drilled into rock (feet bgs): **0**16. Depth to water and elapsed
time after drilling completed (feet bgs): **NA**14. Total depth of hole (feet bgs): **4**17. Other water level measurements (specify): **NA**18. Geotechnical
samples:

Collected:

Disturbed:

Undisturbed:

19. Total no. of core boxes: **NA****NA****NA****NA**20. Samples for chemical
analysis:**VOC****Metals****Other (specify)****Other (specify)****Other (specify)**21. Total core
recovery:**NA****Yes****NA****NA****NA****NA**

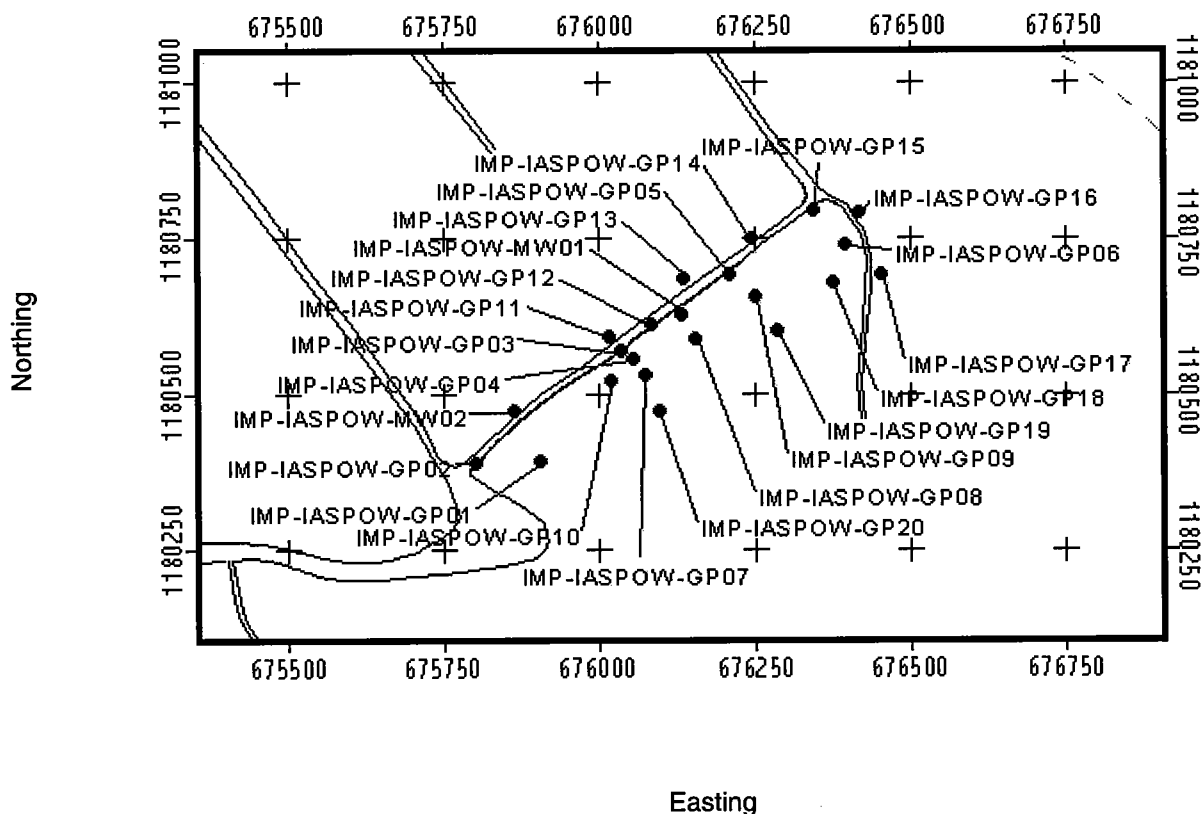
22. Disposition of hole:

Backfilled**Monitoring well****Other (specify)**

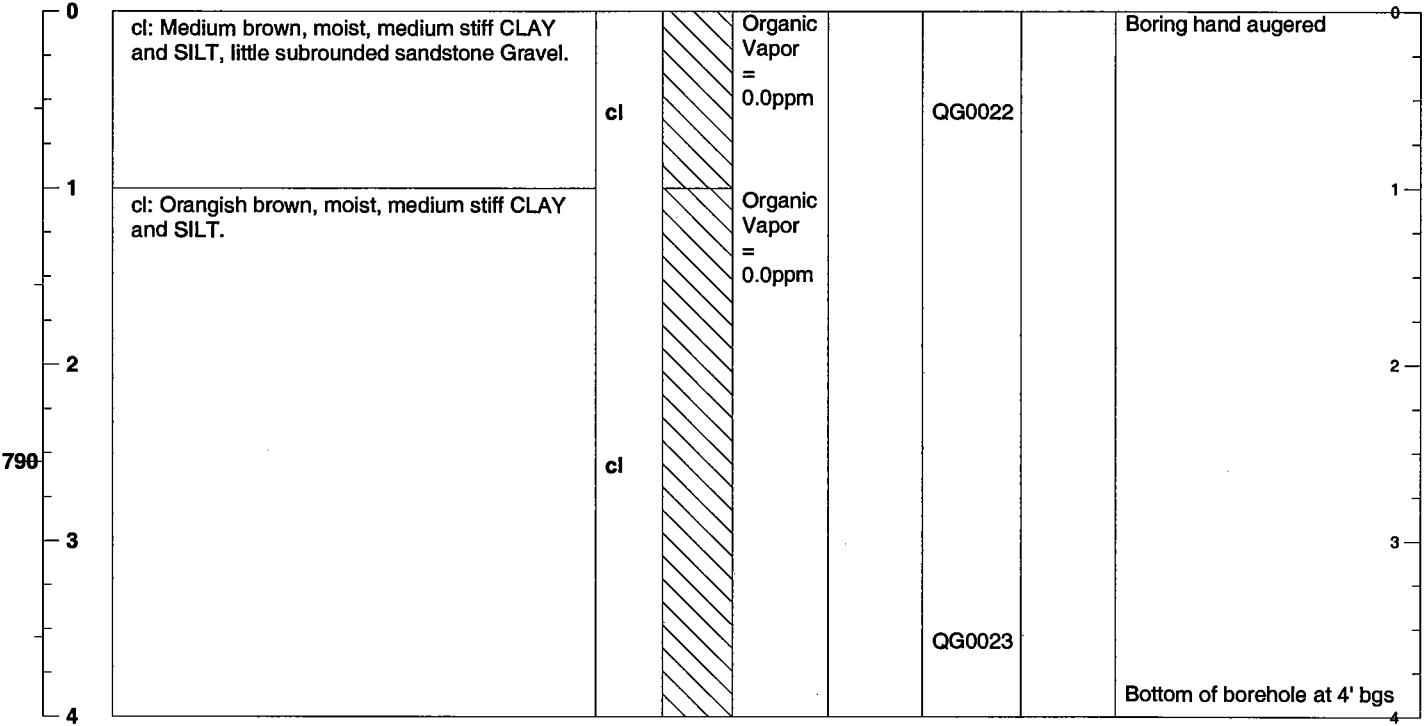
Geologist:

Cuttings**NA****NA****Cindy Levaas**

LOCATION SKETCH/COMMENTS:

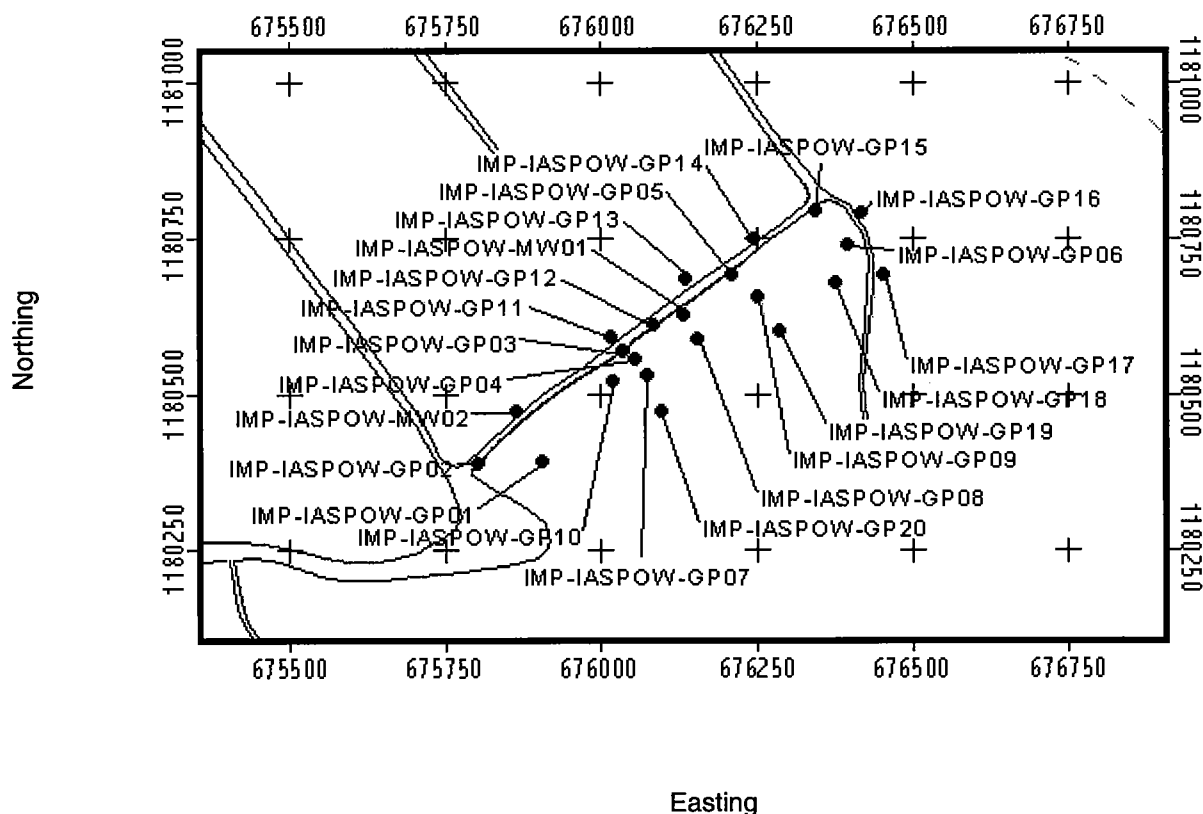
Project: **Fort McClellan**bgs= below ground surface
NA = Not applicableHole no.: **IMP-IASPOW-GP10**

HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-GP10			
Project: Fort McClellan			Geologist: Cindy Levaas			Sheet 2 of 2 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP11	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins		6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 778.58			
		10. Date started: 10/01/02	11. Date completed: 10/01/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: Cindy Levaas	
	Cuttings	NA	NA		
21. Total core recovery: NA					

LOCATION SKETCH/COMMENTS:

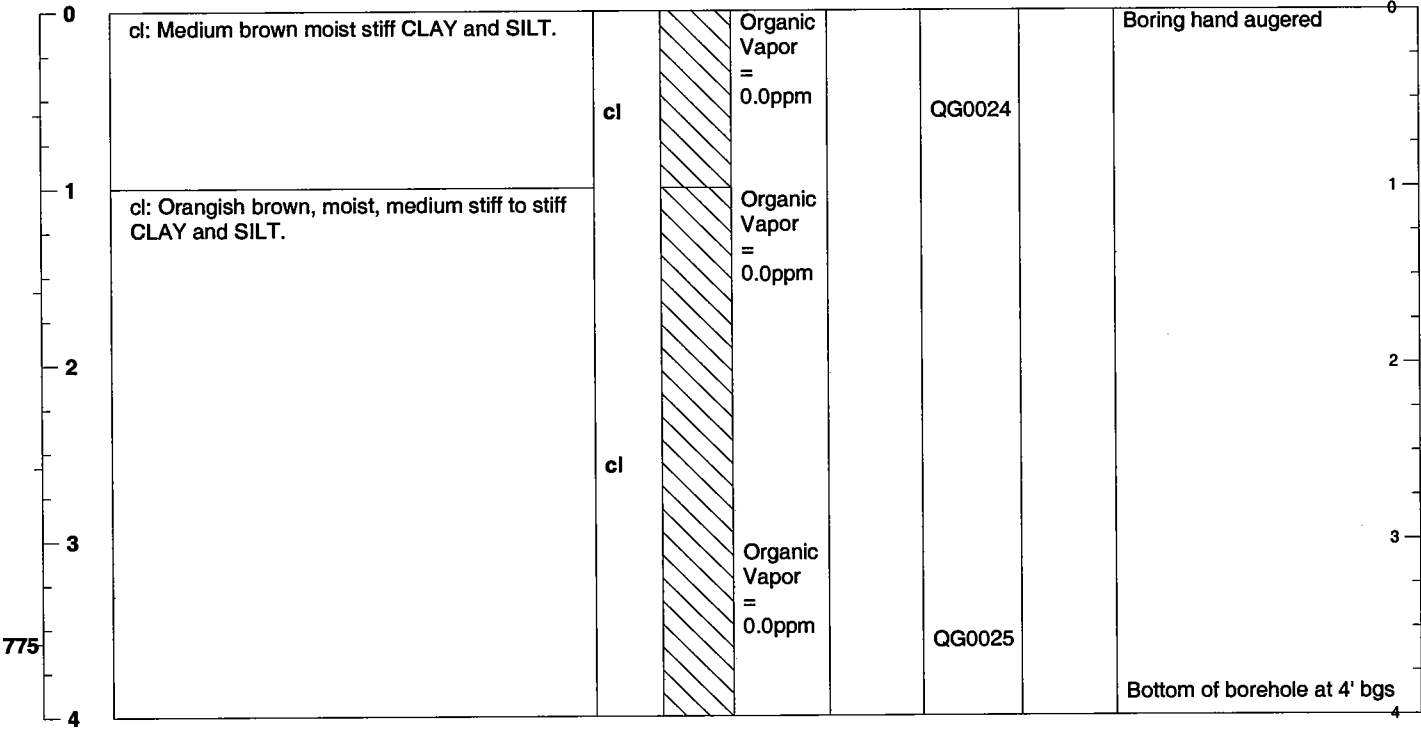


Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

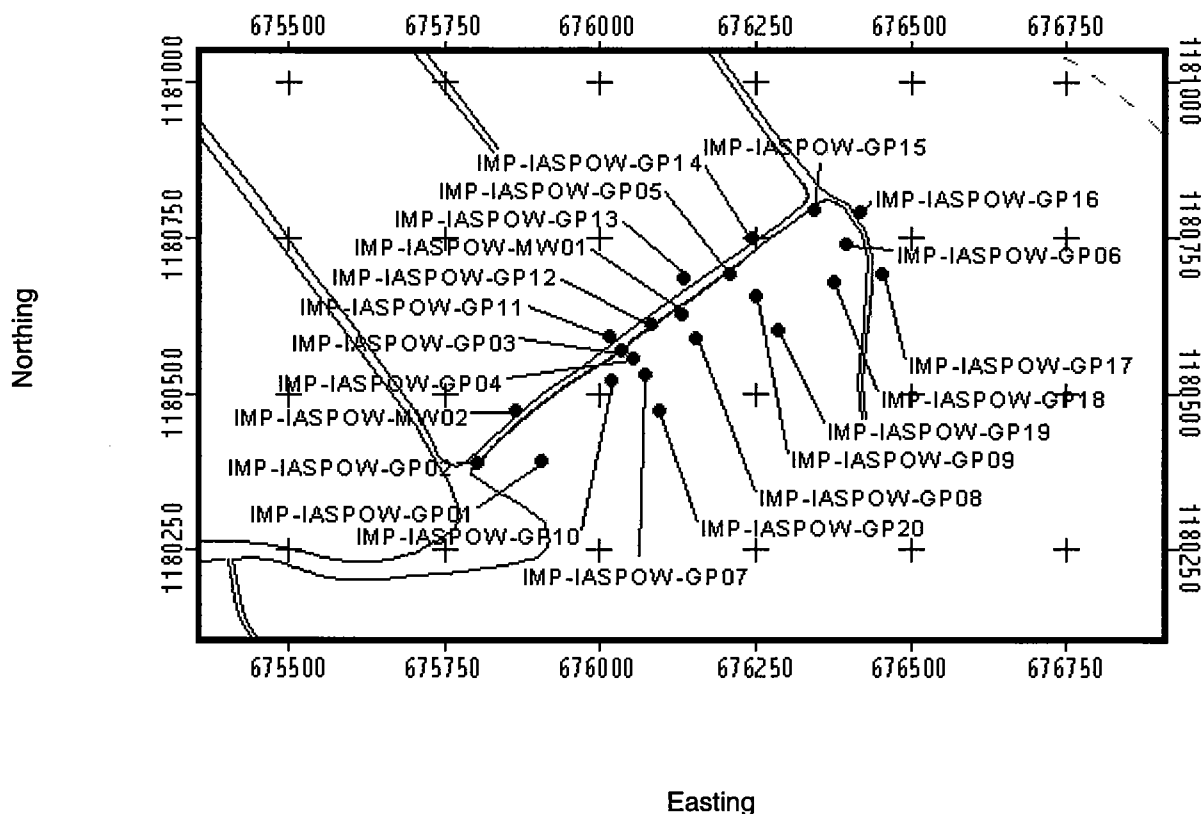
Hole no.: **IMP-IASPOW-GP11**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP11		
Project: Fort McClellan			Geologist: Cindy Levaas				Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP12	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins		6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 789.81			
		10. Date started: 10/01/02	11. Date completed: 10/01/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	Cuttings	NA	NA	Cindy Levaas	

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

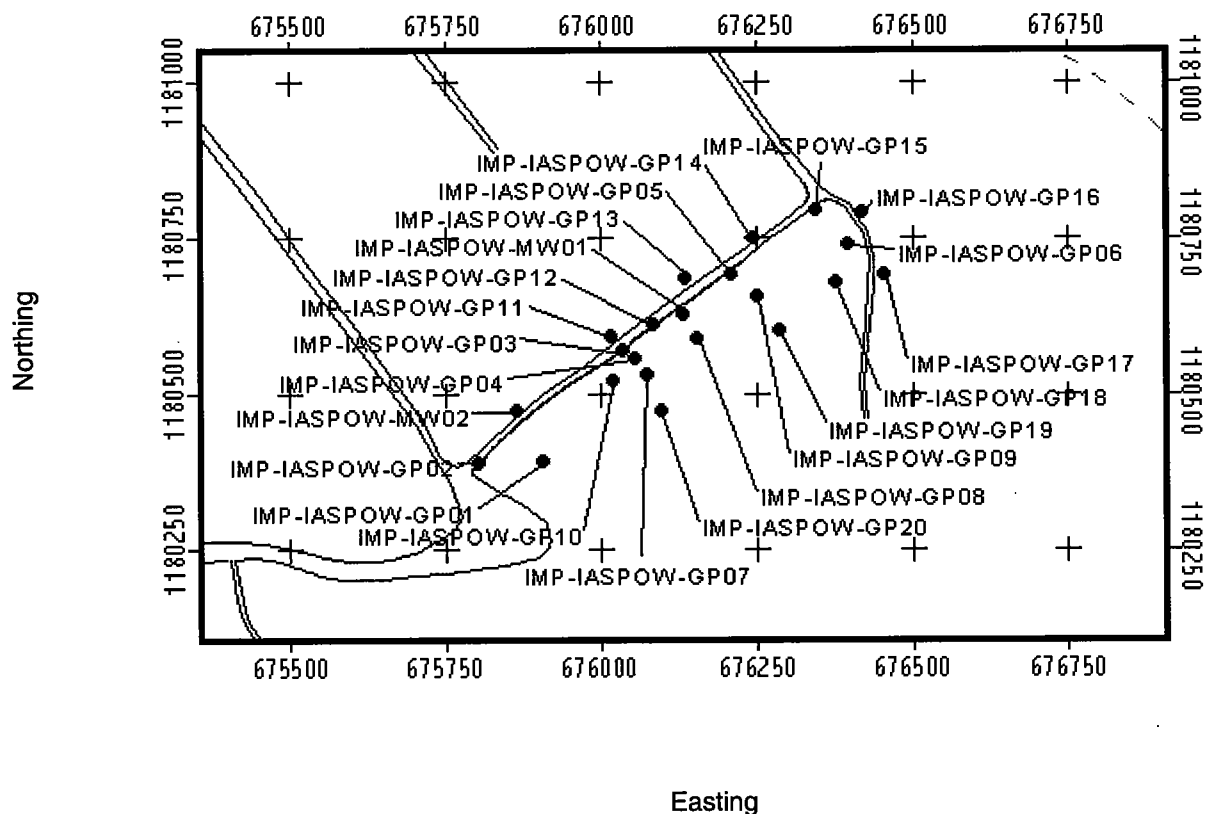
Hole no.: **IMP-IASPOW-GP12**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP12		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

0		cl: Medium brown, moist, medium stiff CLAY and SILT.	cl		Organic Vapor = 0.0ppm		QG0026		Boring hand augered	0
1		cl: Orangish brown, moist, medium stiff CLAY and SILT.			Organic Vapor = 0.0ppm					1
2			cl		Organic Vapor = 0.0ppm		QG0027			2
3										3
4									Bottom of borehole at 4' bgs	4

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP13		
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets		
3. Project: Fort McClellan			4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins			6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger			8. Hole location: Impact Area South of Former POW Training Facility			
			9. Surface elevation (feet above mean sea level): 793.72			
			10. Date started: 10/02/02	11. Date completed: 10/02/02		
12. Overburden thickness (feet bgs): >4			15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0			16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4			17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	NA	Yes	NA	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	Cuttings	NA	NA	Cindy Levaas		

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

Hole no.: **IMP-IASPOW-GP13**

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-GP13

Project: Fort McClellan

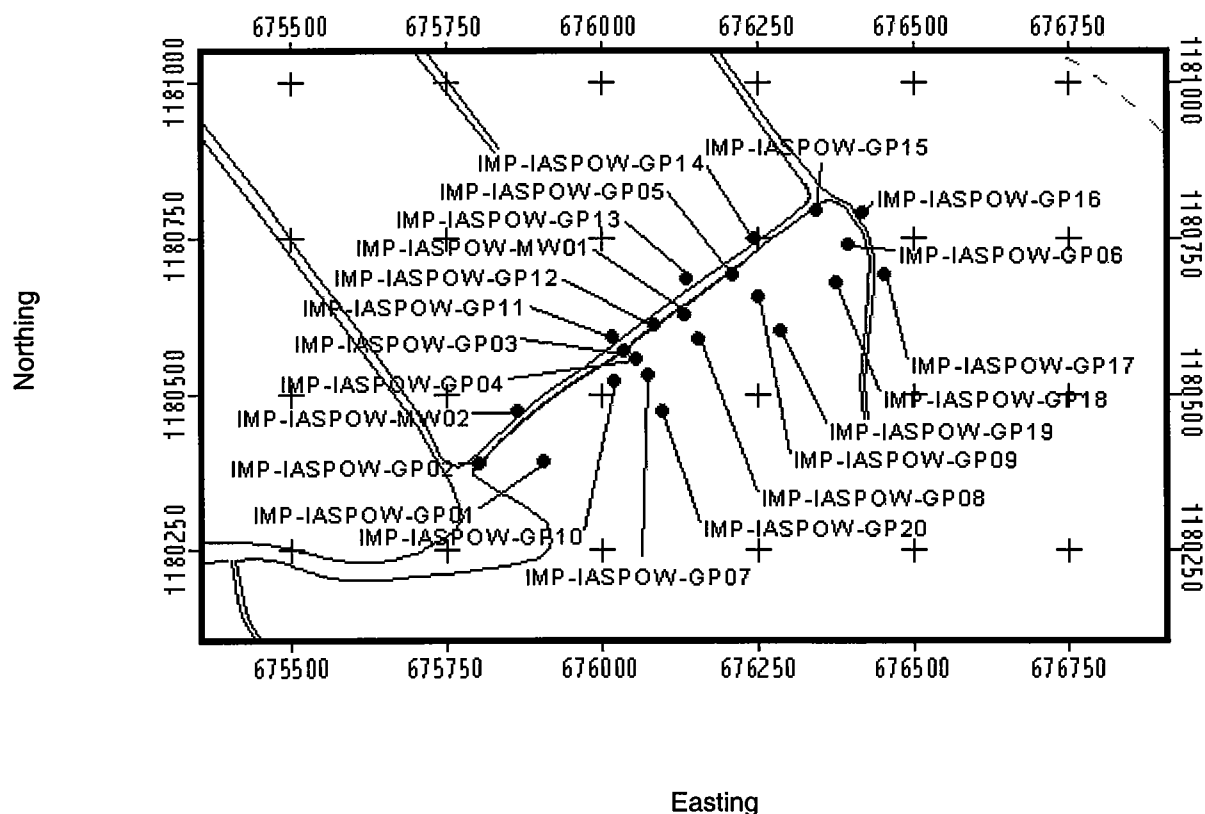
Geologist: Cindy Levaas

Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	cl: Reddish brown, moist, stiff CLAY and SILT.	cl		Organic Vapor = 0.0ppm		QG0028		Boring hand augered
	1	cl: Orangish brown, moist, medium stiff to stiff CLAY and SILT.			Organic Vapor = 0.0ppm				
	2								
	3	cl: Orangish brown, moist, medium stiff CLAY and SILT, little subrounded sandstone Gravel.	cl		Organic Vapor = 0.0ppm		QG0029		
790	4								Bottom of borehole at 4' bgs

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP14		
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets		
3. Project: Fort McClellan			4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins			6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger			8. Hole location: Impact Area South of Former POW Training Facility			
			9. Surface elevation (feet above mean sea level): 790.72			
			10. Date started: 10/01/02	11. Date completed: 10/01/02		
12. Overburden thickness (feet bgs): >4			15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0			16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4			17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	Yes/SVOCs	Yes	Explosives	Pesticides	Herbicides	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	Cuttings	NA	NA	Cindy Levaas		

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

Hole no.: **IMP-IASPOW-GP14**

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-GP14

Project: Fort McClellan

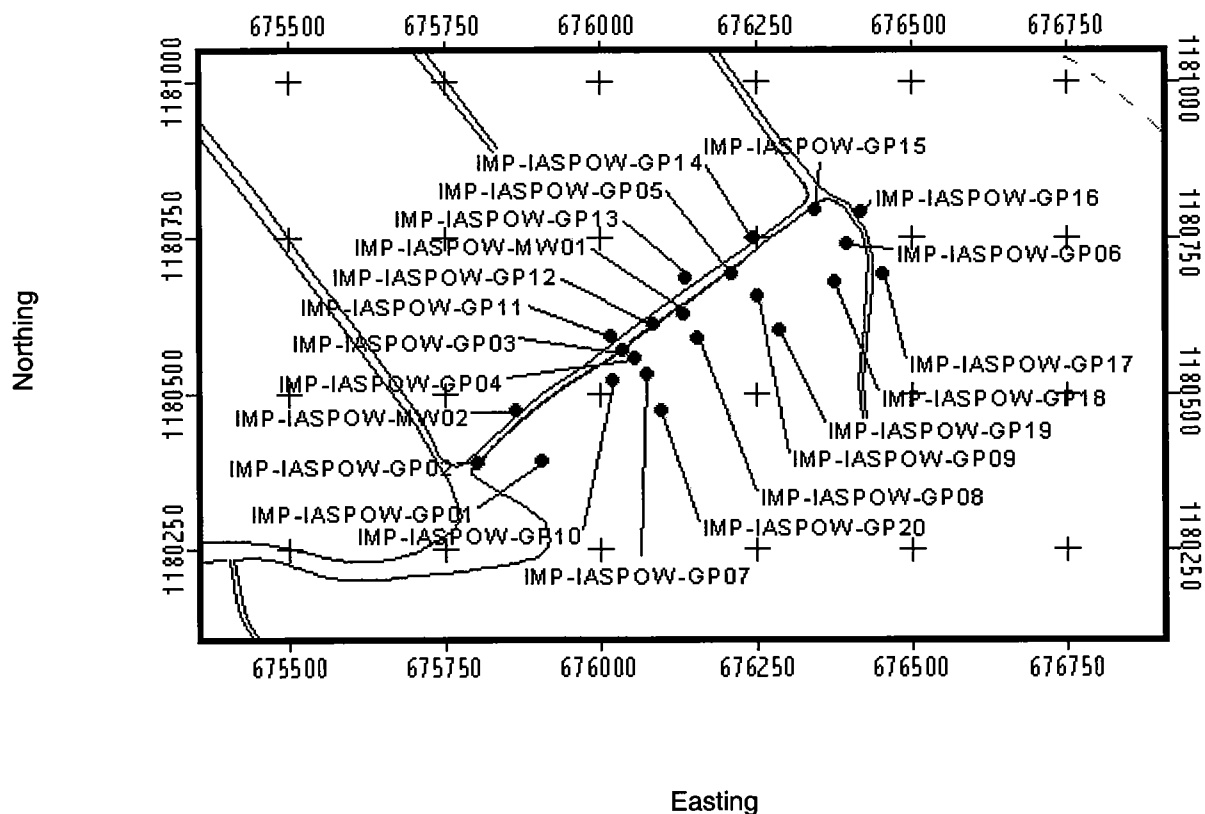
Geologist: Cindy Levaas

Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	cl: Reddish brown, moist, medium stiff to stiff CLAY and SILT.	cl		Organic Vapor = 0.0ppm		QG0030		Boring hand augered
790	1	cl: Medium orangish brown, moist, stiff to medium stiff CLAY and SILT, little coarse Sand.			Organic Vapor = 0.0ppm				
	2	cl: Medium orangish brown, moist, stiff to medium stiff CLAY and SILT, little coarse Sand, little subrounded sandstone Gravel.	cl		Organic Vapor = 0.0ppm		QG0031 MS/MSD QG0032		
	3								
	4								Bottom of borehole at 4' bgs

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP15	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins		6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 794.66			
		10. Date started: 10/01/02	11. Date completed: 10/01/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	Cuttings	NA	NA	Cindy Levaas	

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

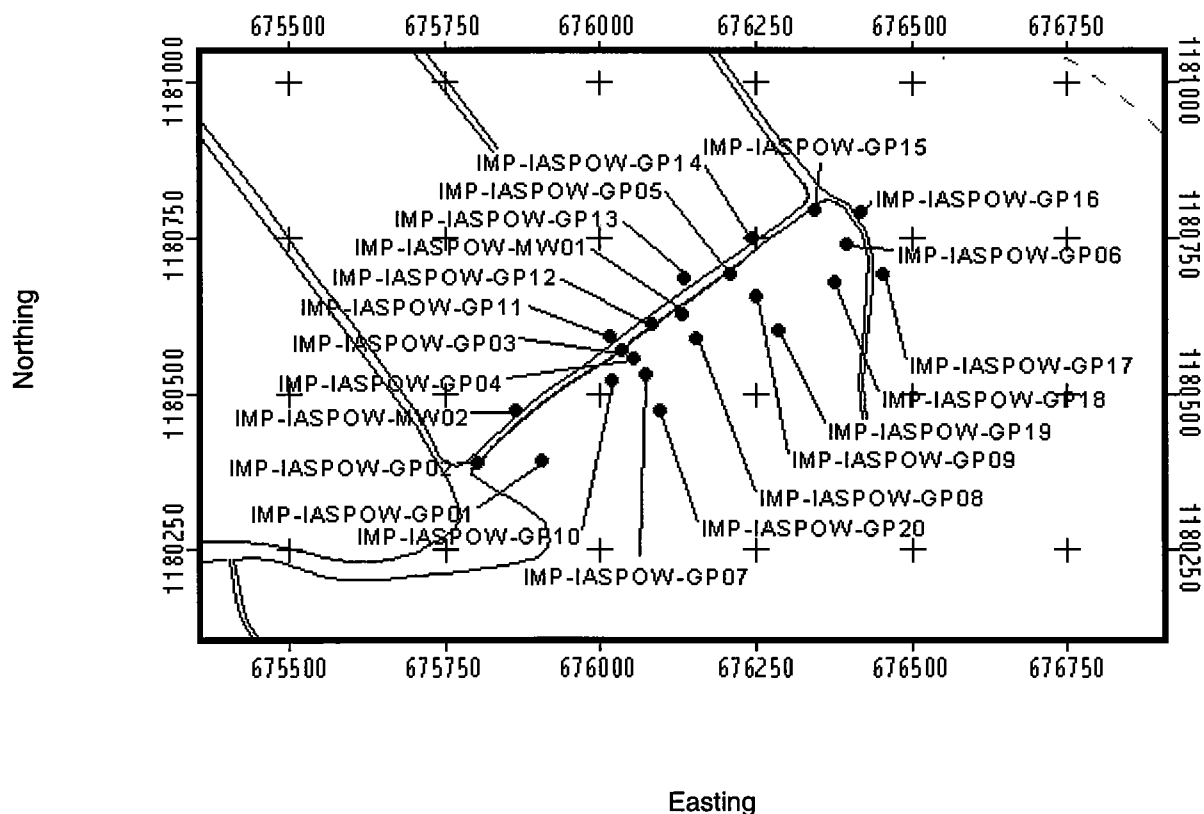
Hole no.: **IMP-IASPOW-GP15**

HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-GP15			
Project: Fort McClellan			Geologist: Cindy Levaas			Sheet 2 of 2 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

0		cl: Medium brown, moist, medium stiff CLAY and SILT, little medium Sand.	cl		Organic Vapor = 0.0ppm		QG0033		Boring hand augered	0
1		cl: Reddish brown, moist, medium stiff CLAY and SILT.			Organic Vapor = 0.0ppm					1
2			cl		Organic Vapor = 0.0ppm					2
3		cl: Orangish brown, moist, medium stiff CLAY and SILT, little medium Sand.	cl		Organic Vapor = 0.0ppm		QG0034			3
4									Bottom of borehole at 4' bgs	4

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP16	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins		6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 801.13			
		10. Date started: 10/01/02	11. Date completed: 10/01/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	Cuttings	NA	NA	Cindy Levaas	

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

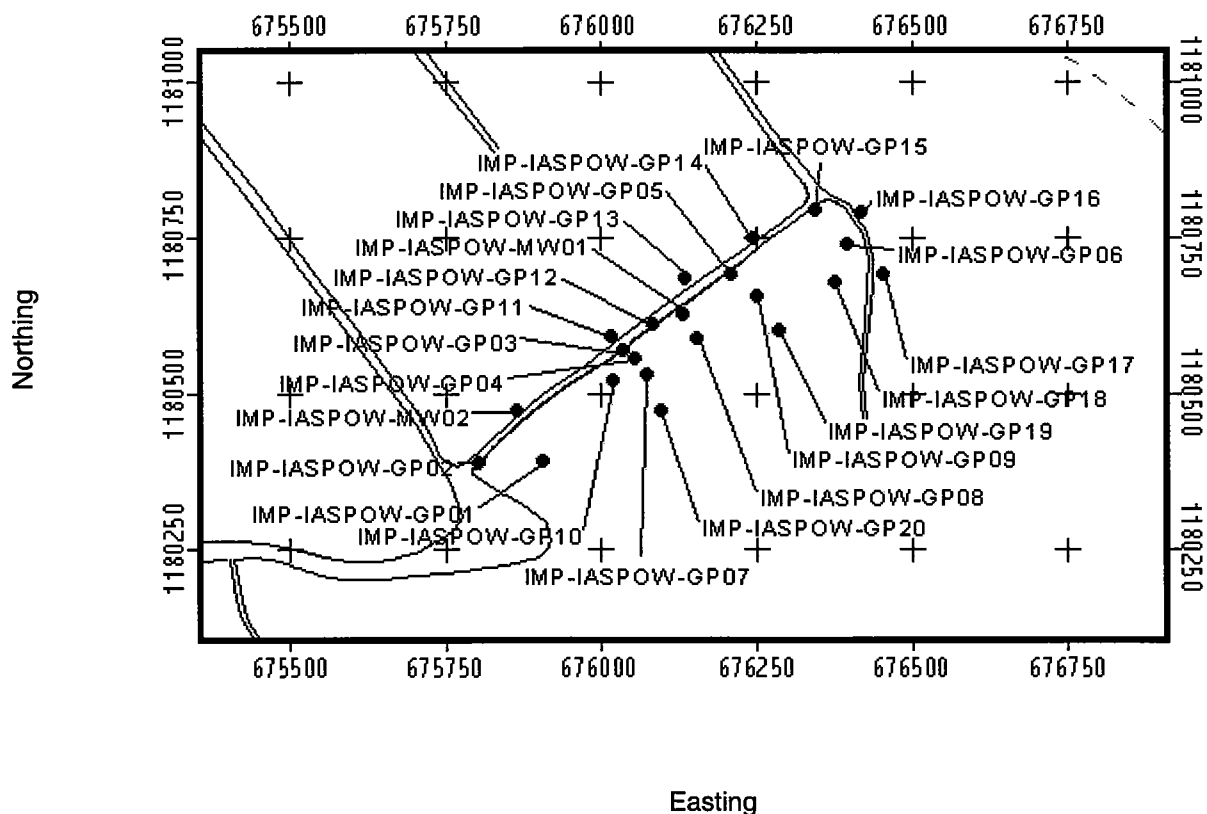
Hole no.: **IMP-IASPOW-GP16**

HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-GP16			
Project: Fort McClellan			Geologist: Cindy Levaas			Sheet 2 of 2 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

	0	cl: Reddish brown, moist, medium stiff CLAY and SILT.			Organic Vapor = 6.3ppm				Boring hand augered	0
	1		cl		Organic Vapor = 0.0ppm		QG0035			1
800	2	cl: Orangish brown, moist, medium stiff CLAY and SILT, little medium Sand.			Organic Vapor = 0.0ppm					2
	3		cl		Organic Vapor = 0.0ppm		QG0036			3
	4								Bottom of borehole at 4' bgs	4

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP17		
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets		
3. Project: Fort McClellan			4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins			6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger			8. Hole location: Impact Area South of Former POW Training Facility			
			9. Surface elevation (feet above mean sea level): 802.06			
			10. Date started: 10/02/02	11. Date completed: 10/02/02		
12. Overburden thickness (feet bgs): >4			15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0			16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4			17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	NA	Yes	NA	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: Cindy Levaas		
	Cuttings	NA	NA			

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

Hole no.: **IMP-IASPOW-GP17**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP17		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

800	0	cl: Reddish brown, moist, stiff CLAY and SILT.	cl		Organic Vapor = 0.0ppm		QG0037		Boring hand augered
	1	cl: Orangish brown, moist, medium stiff CLAY and SILT.			Organic Vapor = 0.0ppm				
	2		cl		Organic Vapor = 0.0ppm		QG0038		Bottom of borehole at 4' bgs
	3								
	4								

HTRW DRILLING LOG

District: **Mobile USACE**HOLE NUMBER
IMP-IASPOW-GP181. Company name: **Shaw Environmental, Inc.**2. Drill Subcontractor: **NA**

Sheet 1 of 2 sheets

3. Project: **Fort McClellan**4. Location: **Calhoun County, Alabama**5. Name of driller: **Reginald Goins**6. Mfr. designation of drill: **Hand Auger**7. Sizes and types of drilling and sampling equipment:
Hand Auger8. Hole location: **Impact Area South of Former POW Training Facility**9. Surface elevation (feet above mean sea level): **804.28**10. Date started: **10/02/02**11. Date completed: **10/02/02**12. Overburden thickness (feet bgs): **>4**15. Depth groundwater encountered (feet bgs): **Not encountered**13. Depth drilled into rock (feet bgs): **0**16. Depth to water and elapsed
time after drilling completed (feet bgs): **NA**14. Total depth of hole (feet bgs): **4**17. Other water level measurements (specify): **NA**18. Geotechnical
samples:

Collected:

Disturbed:

Undisturbed:

19. Total no. of core boxes: **NA****NA****NA****NA**20. Samples for chemical
analysis:**VOC****Metals**

Other (specify)

Other (specify)

Other (specify)

21. Total core
recovery:**NA****Yes****NA****NA****NA****NA**

22. Disposition of hole:

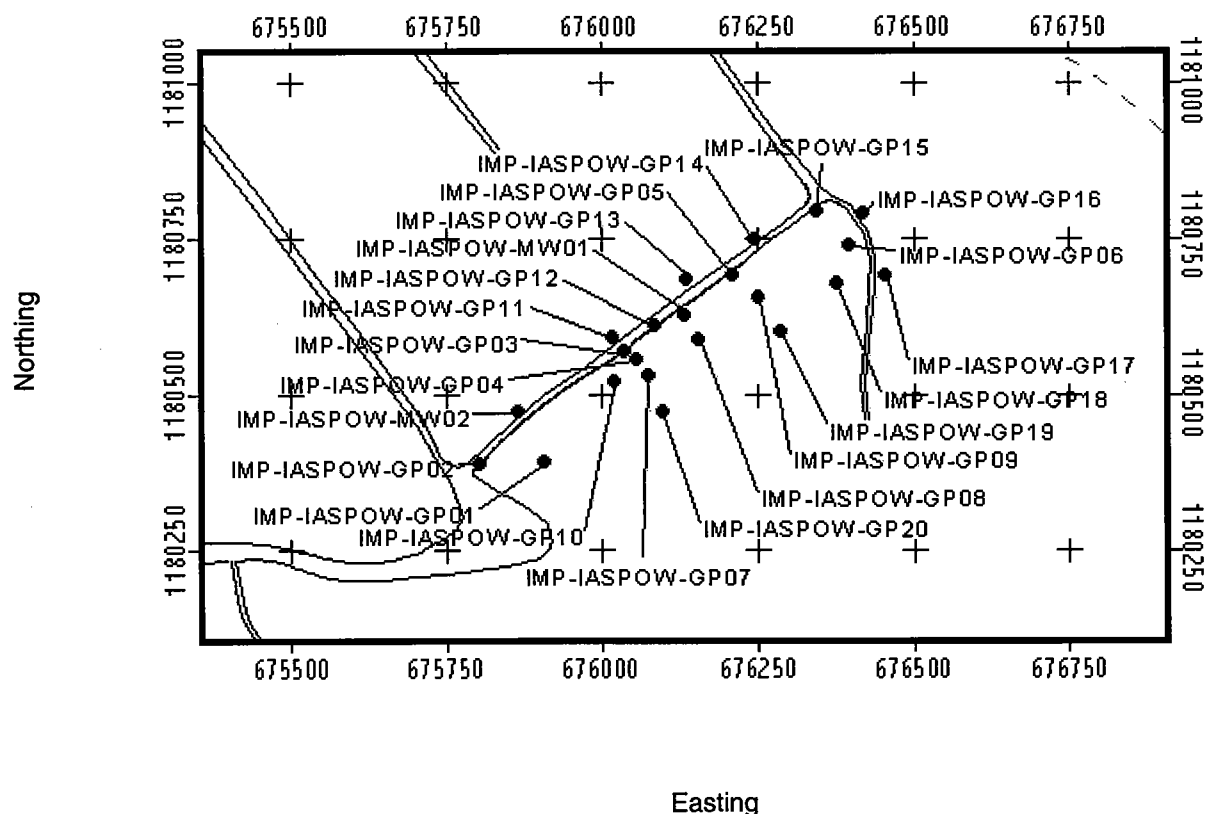
Backfilled**Monitoring well**

Other (specify)

Geologist:

Cuttings**NA****NA****Cindy Levaas**

LOCATION SKETCH/COMMENTS:

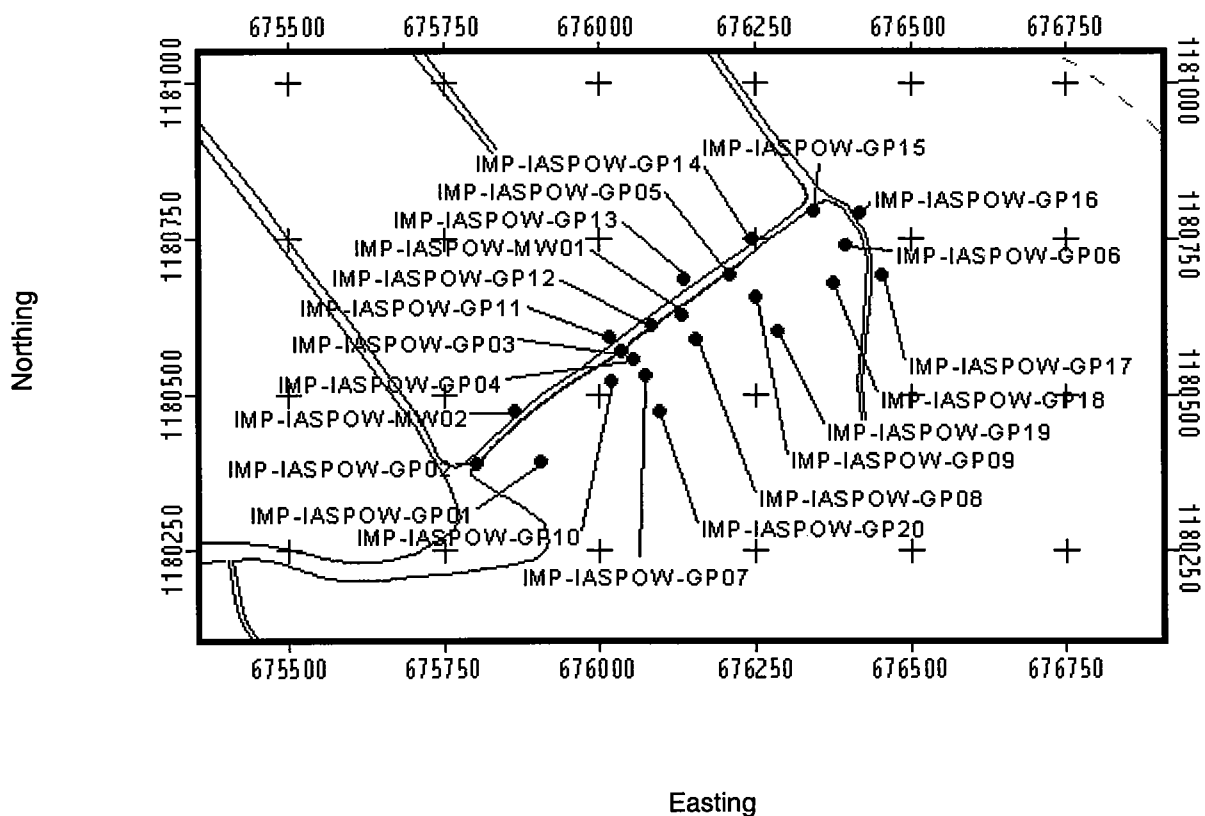
Project: **Fort McClellan**bgs= below ground surface
NA = Not applicableHole no.: **IMP-IASPOW-GP18**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP18		
Project: Fort McClellan			Geologist: Cindy Levaas				Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

0		cl: Medium brown, moist, medium stiff CLAY and SILT.	cl		Organic Vapor = 0.0ppm		QG0039		Boring hand augered	0
1		cl: Orangish brown, moist, medium stiff CLAY and SILT.			Organic Vapor = 0.0ppm					1
2			cl							2
3					Organic Vapor = 0.0ppm		QG0040			3
4									Bottom of borehole at 4' bgs	4

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP19		
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets		
3. Project: Fort McClellan			4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins			6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger			8. Hole location: Impact Area South of Former POW Training Facility			
			9. Surface elevation (feet above mean sea level): 800.13			
			10. Date started: 10/02/02	11. Date completed: 10/02/02		
12. Overburden thickness (feet bgs): >4			15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0			16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4			17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA		
	NA	NA	NA			
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	NA	Yes	NA	NA	NA	
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist: Cindy Levaas		
	Cuttings	NA	NA			

LOCATION SKETCH/COMMENTS:

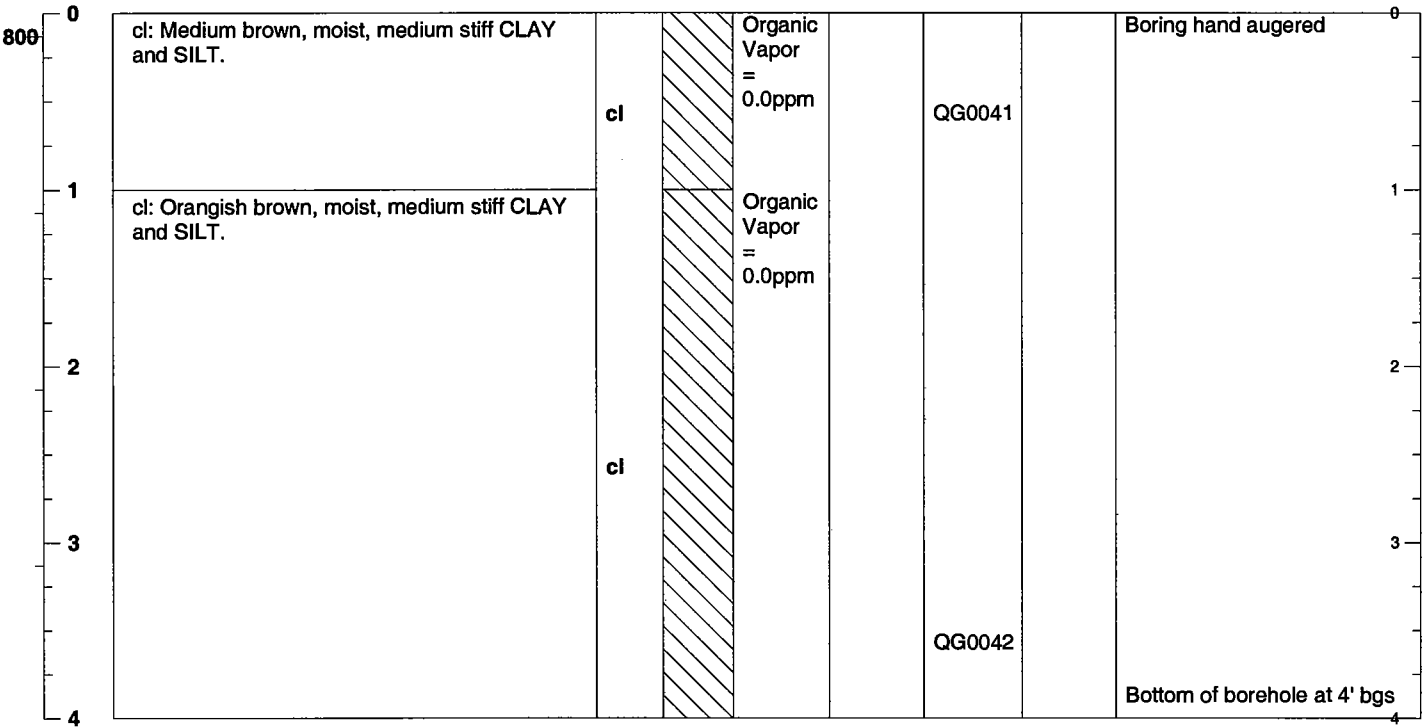


Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

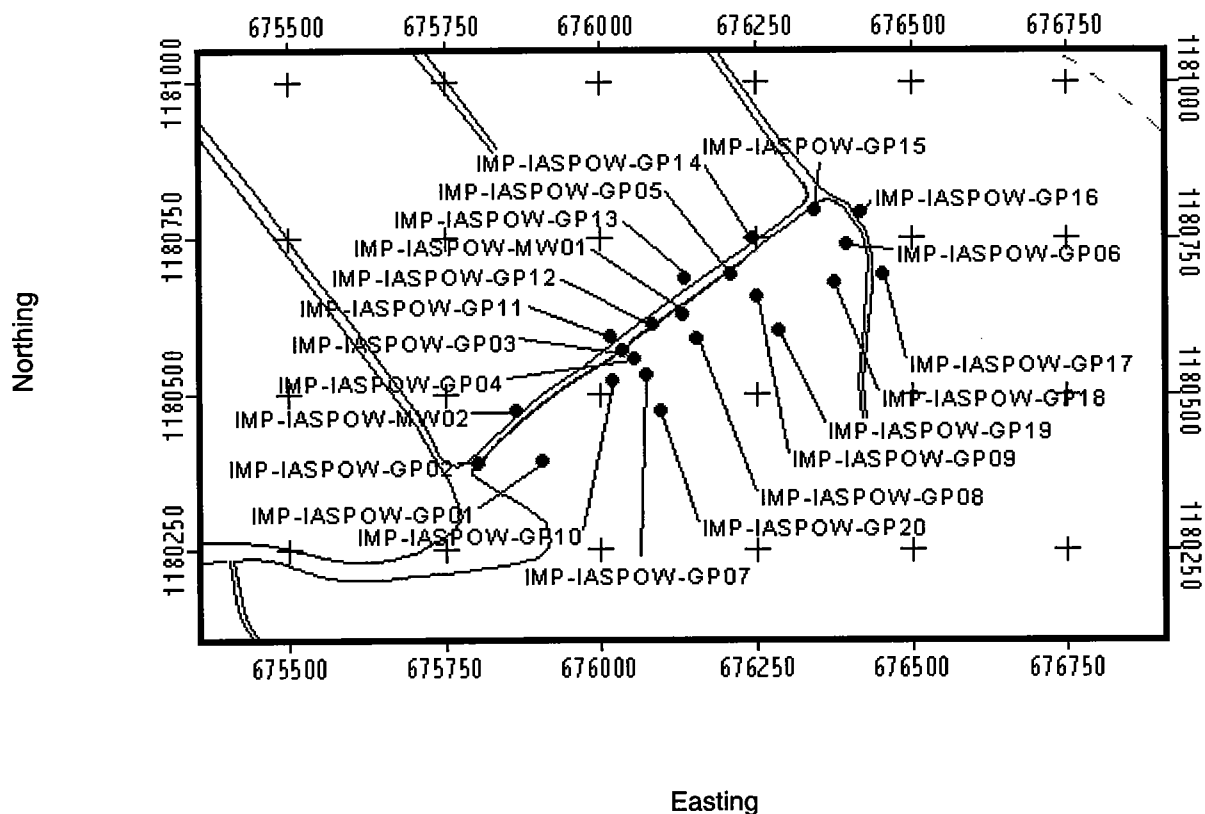
Hole no.: **IMP-IASPOW-GP19**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP19		
Project: Fort McClellan			Geologist: Cindy Levaas				Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)



HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-GP20	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: NA		Sheet 1 of 2 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Reginald Goins		6. Mfr. designation of drill: Hand Auger			
7. Sizes and types of drilling and sampling equipment: Hand Auger		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 804.09			
		10. Date started: 10/02/02	11. Date completed: 10/02/02		
12. Overburden thickness (feet bgs): >4		15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): NA			
14. Total depth of hole (feet bgs): 4		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)
	NA	Yes	NA	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	Cuttings	NA	NA	Cindy Levaas	

LOCATION SKETCH/COMMENTS:



Project: **Fort McClellan**

bgs= below ground surface
NA = Not applicable

Hole no.: **IMP-IASPOW-GP20**

HTRW DRILLING LOG (Continuation Sheet)							HOLE NUMBER: IMP-IASPOW-GP20		
Project: Fort McClellan				Geologist: Cindy Levaas			Sheet 2 of 2 sheets		
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

0		cl: Dark brown to orangish brown, moist, medium stiff CLAY and SILT.	cl		Organic Vapor = 0.0ppm		QG0043		Boring hand augered	0
1		cl: Reddish brown, moist, medium stiff CLAY and SILT.			Organic Vapor = 0.0ppm					1
2			cl							2
3							QG0044			3
4									Bottom of borehole at 4' bgs	4

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-MW01	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: ESN/Miller Drilling Company		Sheet 1 of 7 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Sammy McDaniel/Glen Bilbrey		6. Mfr. designation of drill: Geoprobe/CME-550X			
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP - 4'x2" Acetate-Lined Sampler HSA - 5'x4.25" ID Augers, 2'x2" Steel Split Spoons		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 786.00			
		10. Date started: 01/17/02		11. Date completed: 01/23/02	
12. Overburden thickness (feet bgs): >56		15. Depth groundwater encountered (feet bgs): Not encountered			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): 36.67 ~12 hours			
14. Total depth of hole (feet bgs): 56		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	21. Total core recovery:
	NA	Yes	Explosives	NA	NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	NA	2" Permanent	NA	Cindy Levaas/Kyle Wilson	

LOCATION SKETCH/COMMENTS:

Project: Fort McClellan	bgs= below ground surface NA = Not applicable	Hole no.: IMP-IASPOW-MW01

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-MW01

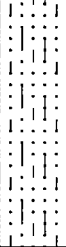
Project: Fort McClellan

Geologist: Cindy Levaas/Kyle Wilson

Sheet 2 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
0		cl: Light brown, moist, stiff CLAY, trace Silt.			Organic Vapor = 0.0ppm				Rec 3.6'/4.0' (0-4' bgs)
785	1						QG0017		
	2		cl						
	3						QG0018		
	4	ml: Yellowish orange, medium stiff CLAY and SILT, some medium to fine Sand, slightly moist.			Organic Vapor = 0.0ppm			11 15 17 20	Direct push terminated at 4' bgs Rec 2.0'/2.0' (4-6' bgs)
	5								
780	6		ml		Organic Vapor = 0.4ppm			10 22 24 26	Rec 1.8'/2.0' (6-8' bgs)
	7								
	8	NA: No recovery.	NA						
		ml: Yellowish orange, medium stiff CLAY and SILT, some medium to fine Sand, slightly moist.			Organic Vapor = 0.2ppm			16 27 27 36	Rec 2.0'/2.0' (8-10' bgs)
	9		ml						
	10	sm: Yellowish orange to light brown, medium to fine SAND and SILT, some Clay, little subangular quartz-rich Gravel.	sm						

HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-MW01			
Project: Fort McClellan			Geologist: Cindy Levaas/Kyle Wilson			Sheet 3 of 7 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

775	11	sm: Yellowish orange to light brown, medium to fine SAND and SILT, some Clay, little subangular quartz-rich Gravel.	sm		Organic Vapor = 5.7ppm			19 50 39 50	Rec 1.5'/2.0' (10-12' bgs)	11
		NA: No recovery.	NA							
	12	NA: No sample collected for lithologic description.								12
	13									13
	14		NA							14
	15	cl: Light brown to yellowish orange, medium stiff CLAY, some Silt, some coarse to fine Sand, slightly moist.			Organic Vapor = 0.5ppm			4 9 10 10	Rec 2.0'/2.0' (15-17' bgs)	15
770	16		cl							16
	17	NA: No sample collected for lithologic description.								17
	18		NA							18
	19	ml: Light brown to reddish brown, medium stiff CLAY and SILT, some fine to medium Sand.			Organic Vapor = 0.0ppm			2 6 11 13	Rec 2.0'/2.0' (19-21' bgs)	19
	20		ml							20

HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-MW01			
Project: Fort McClellan			Geologist: Cindy Levaas/Kyle Wilson			Sheet 4 of 7 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

		sc: Light brown to reddish brown, medium stiff CLAY and coarse to fine SAND, some subangular to subrounded quartz-rich Gravel.	sc						
765	21	NA: No sample collected for lithologic description.							
	22								
	23		NA						
	24	ml: Light brown to yellowish orange, medium stiff CLAY and SILT, some coarse to fine Sand, slightly moist.			Organic Vapor = 0.0ppm			5 8 9 12	Rec 2.0'/2.0' (24-26' bgs)
	25		ml						
760	26	NA: No sample collected for lithologic description.							
	27								
	28		NA						
	29	cl: Light brown to yellowish orange, medium stiff CLAY, some Silt, some medium to fine Sand.			Organic Vapor = 0.0ppm			4 7 10 11	Rec 2.0'/2.0' (29-31' bgs)
	30		cl						

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-MW01

Project: Fort McClellan

Geologist: Cindy Levaas/Kyle Wilson

Sheet 5 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
755	31	NA: No sample collected for lithologic description.	NA						
	32								
	33								
	34	ml: Light brown to yellowish orange, medium stiff CLAY and SILT, some coarse to fine Sand, little subangular to subrounded quartz-rich Gravel.	ml		Organic Vapor = 0.0ppm			4 7 12 12	Rec 2.0'/2.0' (34-36' bgs)
	35								
750	36	NA: No sample collected for lithologic description.	NA						
	37								
	38								
	39	cl: Brown, medium stiff, low to medium plasticity CLAY, some coarse to fine Sand, slightly moist.	cl		Organic Vapor = 0.0ppm			4 8 12 14	Rec 1.2'/2.0' (39-41' bgs)
	40	sc: Fairly well graded medium to fine SAND, some Silt, some Clay, slightly moist.	sc						
		NA: No recovery.							

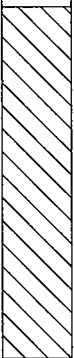
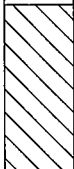
HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-MW01

Project: Fort McClellan

Geologist: Cindy Levaas/Kyle Wilson

Sheet 6 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
745	41	NA: No sample collected for lithologic description.	NA						
	42								
	43		NA						
	44	cl: Brown, medium stiff, wet to moist, medium plasticity CLAY, some coarse to fine Sand.	cl		Organic Vapor = 0.0ppm			5 8 9 12	Rec 2.0'/2.0' (44-46' bgs)
	45								
740	46	NA: No sample collected for lithologic description.	NA						
	47								
	48		NA						
	49	cl: Yellowish orange, medium stiff, low plasticity CLAY, some coarse to fine Sand.	cl		Organic Vapor = 0.0ppm			5 7 12 17	Rec 2.0'/2.0' (49-51' bgs)
	50	sc: Reddish brown, wet, poorly graded, coarse to fine SAND, some Clay, little subrounded to subangular quartz-rich Gravel.	sc						

HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-MW01			
Project: Fort McClellan			Geologist: Cindy Levaas/Kyle Wilson			Sheet 7 of 7 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

735	51	NA: No sample collected for lithologic description.	NA						
	52								
	53								
	54	cl: Light brown, medium stiff, moist CLAY, some coarse to fine Sand, low plasticity.	cl		Organic Vapor = 0.0ppm			6 12 22 22	Rec 2.0'/2.0' (54-56' bgs)
	55								
730	56								Bottom of borehole at 56' bgs

HTRW DRILLING LOG		District: Mobile USACE		HOLE NUMBER IMP-IASPOW-MW02	
1. Company name: Shaw Environmental, Inc.		2. Drill Subcontractor: ESN/Miller Drilling Company		Sheet 1 of 7 sheets	
3. Project: Fort McClellan		4. Location: Calhoun County, Alabama			
5. Name of driller: Sammy McDaniel/Glen Bilbrey		6. Mfr. designation of drill: Geoprobe/CME-550X			
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP - 4'x2" Acetate-Lined Sampler HSA - 5'x4.25" ID Augers, 2'x2" Steel Split Spoons		8. Hole location: Impact Area South of Former POW Training Facility			
		9. Surface elevation (feet above mean sea level): 778.28			
		10. Date started: 01/16/02	11. Date completed: 01/24/02		
12. Overburden thickness (feet bgs): >57		15. Depth groundwater encountered (feet bgs): 40			
13. Depth drilled into rock (feet bgs): 0		16. Depth to water and elapsed time after drilling completed (feet bgs): 21.7 ~21 hours			
14. Total depth of hole (feet bgs): 57		17. Other water level measurements (specify): NA			
18. Geotechnical samples:	Collected:	Disturbed:	Undisturbed:	19. Total no. of core boxes: NA	
	NA	NA	NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	21. Total core recovery:
	Yes/SVOCs	Yes	Explosives	Pesticides	Herbicides
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:	
	NA	2" Permanent	NA	Cindy Levaas/Kyle Wilson	

LOCATION SKETCH/COMMENTS:

Project: Fort McClellan	bgs= below ground surface NA = Not applicable	Hole no.: IMP-IASPOW-MW02

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-MW02

Project: Fort McClellan

Geologist: Cindy Levaas/Kyle Wilson

Sheet 2 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	0	cl: Reddish brown, moist, stiff CLAY, some Silt, trace fine to medium Sand.			Organic Vapor = 0.0ppm				Rec 3.3'/4.0' (0-4' bgs)
	1								
	2		cl				QG0019		
	3								
775	4	cl: Yellowish orange to light brown, medium stiff to soft CLAY, some Silt, little coarse to fine Sand, slightly moist to moist.	cl		Organic Vapor = 0.0ppm		QG0020 MS/MSD QG0021	5 6 7 12	Direct push terminated at 4' bgs Rec 1.8'/2.0' (4-6' bgs)
	5								
	6	NA: No recovery. ml: Yellowish orange, medium stiff CLAY and SILT, little coarse to fine Sand, slightly moist.	NA		Organic Vapor = 0.0ppm			7 11 13 14	Rec 2.0'/2.0' (6-8' bgs)
	7								
	8	ml: Yellowish orange, medium stiff CLAY and SILT, little coarse to fine Sand, slightly moist.	ml		Organic Vapor = 0.0ppm			14 17 23 24	Rec 2.0'/2.0' (8-10' bgs)
770	9								
	10								

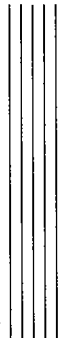
HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-MW02

Project: Fort McClellan

Geologist: Cindy Levaas/Kyle Wilson

Sheet 3 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
		ml: Yellowish orange, medium stiff CLAY and SILT, little coarse to fine Sand, slightly moist.			Organic Vapor = 0.0ppm			25 26 20 26	Rec 2.0'/2.0' (10-12' bgs)
		NA: No sample collected for lithologic description.							
		sm: Yellowish orange to light brown, soft SILT and fine to medium SAND, some Clay.			Organic Vapor = 0.0ppm			4 10 16 36	Rec 2.0'/2.0' (15-17' bgs)
		qrtzt: Crushed a quartzite Cobble, spoon filled with angular, quartzite Gravel and Sand.							
		NA: No sample collected for lithologic description.							
		cl: Light brown, medium stiff CLAY, some			Organic			9 25 14	Rec 2.0'/2.0' (20-22' bgs)

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-MW02

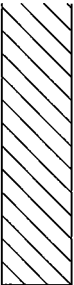
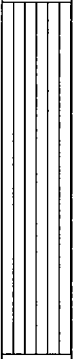
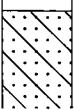
Project: Fort McClellan

Geologist: Cindy Levaas/Kyle Wilson

Sheet 4 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
		Sand, some quartz-rich Gravel.	cl		Vapor = 0.0ppm			8	
21		cl: Yellowish orange, medium stiff CLAY and SILT, some medium to fine Sand.	cl						
22		NA: No sample collected for lithologic description.	NA						
23			NA						
755			NA						
24			NA						
25		cl: Reddish brown, medium stiff CLAY, some Silt, some coarse to fine Sand, slightly moist to moist.	cl		Organic Vapor = 0.0ppm			4 9 12 10	Rec 2.0'/2.0' (25-27' bgs)
26			cl						
27		NA: No sample collected for lithologic description.	NA						
28			NA						
750			NA						
29			NA						
30		cl: Reddish brown, medium stiff CLAY, some Silt, some coarse to fine Sand, slightly moist			Organic Vapor			3 4 6 9	Rec 2.0'/2.0' (30-32' bgs)

HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-MW02			
Project: Fort McClellan			Geologist: Cindy Levaas/Kyle Wilson			Sheet 5 of 7 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

	31	to moist.	cl		= 0.0ppm				
	32	NA: No sample collected for lithologic description.							
745	33		NA						
	34								
	35	ml: Reddish brown, medium stiff, moist CLAY and SILT, some coarse to fine Sand.	ml		Organic Vapor = 0.0ppm			2 4 5 7	Rec 2.0'/2.0' (35-37' bgs)
	36								
	37	NA: No sample collected for lithologic description.							
	38		NA						
740	39								
	40	sc: Reddish brown, soft to medium stiff CLAY and fine to coarse SAND, some Silt, wet to moist.			Organic Vapor = 0.0ppm			3 4 4 4	Groundwater encountered at 40' bgs Rec 2.0'/2.0' (40-42' bgs)

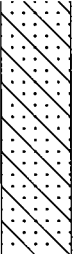
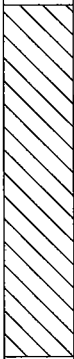
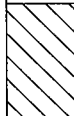
HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: IMP-IASPOW-MW02

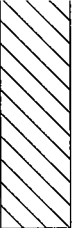
Project: Fort McClellan

Geologist: Cindy Levaas/Kyle Wilson

Sheet 6 of 7 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)
	41		sc						
	42	NA: No sample collected for lithologic description.							
	43		NA						
735	44								
	45	cl: Reddish brown to light brown, medium stiff CLAY, some coarse to fine Sand, some Silt, trace subrounded Gravel, moist.	cl		Organic Vapor = 0.0ppm			3 6 7 6	Rec 2.0'/2.0' (45-47' bgs)
	46								
	47	NA: No sample collected for lithologic description.							
	48		NA						
730	49								
	50	cl: Light brown, medium stiff CLAY, some coarse to fine Sand, little subangular, quartz-rich Gravel, slightly moist to moist.			Organic Vapor = 0.0ppm			4 7 9 13	Rec 2.0'/2.0' (50-52' bgs)

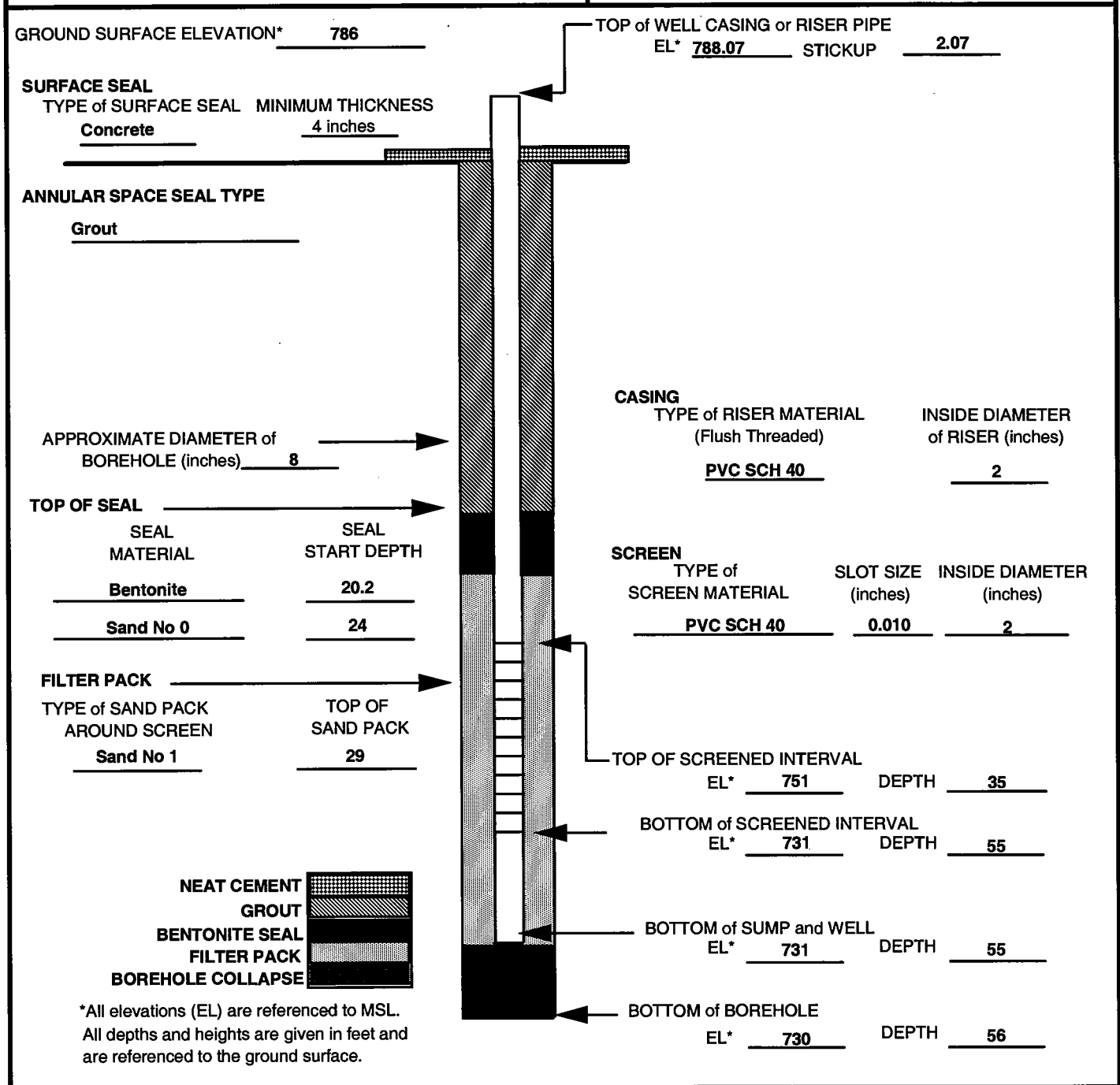
HTRW DRILLING LOG (Continuation Sheet)						HOLE NUMBER: IMP-IASPOW-MW02			
Project: Fort McClellan			Geologist: Cindy Levaas/Kyle Wilson			Sheet 7 of 7 sheets			
Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow counts (g)	Remarks (h)

51			cl						51
52		NA: No sample collected for lithologic description.							52
53									53
725			NA						
54									54
55		cl: Light brown, medium stiff CLAY, some coarse to fine Sand, little subangular, quartz-rich Gravel, slightly moist to moist, medium plasticity.			Organic Vapor = 0.0ppm			5 8 7 11	Rec 2.0'/2.0' (55-57' bgs)
56			cl						56
57									Bottom of borehole at 57' bgs 57

WELL CONSTRUCTION LOGS

MONITORING WELL INSTALLATION DETAIL

PROJECT: <u>Fort McClellan</u> LOCATION: <u>Anniston, AL</u> CLIENT: <u>USACE Mobile District</u> CONTRACTOR: <u>Miller Drilling Company</u> DRILLER: <u>Glen Bilbrey</u> SHAW FIELD REPRESENTATIVE: <u>Kyle Wilson</u>	WELL NO: <u>IMP-IASPOW-MW01</u> DRILLING METHOD: <u>Hollow Stem Auger</u> INSTALLATION DATE: <u>17-JAN-02</u> NORTHING: <u>1180623.46</u> EASTING: <u>676133.59</u> HORIZONTAL SURVEY DATUM: <u>NAD83</u> VERTICAL SURVEY DATUM: <u>NAVD88</u> JOB NO: <u>796887</u>



MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan
LOCATION: Anniston, AL
CLIENT: USACE Mobile District
CONTRACTOR: Miller Drilling Company
DRILLER: Glen Bilbrey
SHAW FIELD REPRESENTATIVE: Kyle Wilson

WELL NO: IMP-IASPOW-MW02
DRILLING METHOD: Hollow Stem Auger
INSTALLATION DATE: 16-JAN-02
NORTHING: 1180468.36
EASTING: 675865.12
HORIZONTAL SURVEY DATUM: NAD83
VERTICAL SURVEY DATUM: NAVD88
JOB NO: 796887

GROUND SURFACE ELEVATION* 778.28

TOP of WELL CASING or RISER PIPE
EL* 780.33 **STICKUP** 2.05

SURFACE SEAL

TYPE of SURFACE SEAL Concrete **MINIMUM THICKNESS** 4 inches

ANNULAR SPACE SEAL TYPE

Grout

APPROXIMATE DIAMETER of BOREHOLE (inches) 8

CASING

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40 **INSIDE DIAMETER of RISER (inches)** 2

TOP OF SEAL

SEAL MATERIAL	SEAL START DEPTH
<u>Bentonite</u>	<u>21.6</u>
<u>Sand No 0</u>	<u>25</u>

SCREEN

TYPE of SCREEN MATERIAL	SLOT SIZE (inches)	INSIDE DIAMETER (inches)
<u>PVC SCH 40</u>	<u>0.010</u>	<u>2</u>

FILTER PACK

TYPE of SAND PACK AROUND SCREEN	TOP OF SAND PACK
<u>Sand No 1</u>	<u>30</u>

TOP OF SCREENED INTERVAL
EL* 743.28 **DEPTH** 35

BOTTOM of SCREENED INTERVAL
EL* 723.28 **DEPTH** 55

BOTTOM of SUMP and WELL
EL* 723.28 **DEPTH** 55

BOTTOM of BOREHOLE
EL* 721.28 **DEPTH** 57



*All elevations (EL) are referenced to MSL.
 All depths and heights are given in feet and are referenced to the ground surface.

APPENDIX C
WELL DEVELOPMENT LOGS

Groundwater Well Development Log

Fort McClellan, Alabama

Project Number: 796887
 Form Completed by: Lee FLIPPEN
 Well Developed by (person/firm): Lee FLIPPEN / IT Corp.

Parcel No.: ISAPOW
 Well No.: MW01
 Date started: 2-7-02

Monitoring Well Information

Development Method: Surge + Purge
 Development Equipment: Whale pumps + 12v. battery
Horiba U-10, PID, Heron water indicator, Aquafast II
 Casing Diameter: 2" TOC

Beginning Measurements
 Depth to Water (ft): 18.63 TOC Water column = 38.81'
 Total depth of Well (ft): 57.44 TOC (57.44')

2-7-02 PID 1.9 BKGid 0.0, screen 35'-55' bgs, TD = 57.44' bgs

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date) (Purge Rate, Pump Position, Misc.)
09:35	0	18.63	5.63	.267	999+	0.74	14.0	Brown	<u>Surge Entire well screen -</u> Depth 55', Purge Rate .35 gpm
09:50	5.25	35.68	5.84	.122	999+	1.58	10.2	cloudy	Depth 55', PR .25 gpm
10:05	9.0	38.63	5.64	.124	999+	1.64	15.3	cloudy	Depth 55', PR .25 gpm
10:20	12.75	40.15	5.63	.088	217	2.87	15.1	cloudy	Depth 55', PR .25 gpm
10:35	16.5	42.59	5.60	.090	256	1.84	15.1	cloudy	Depth 55', PR .25 gpm
10:50	20.25	44.49	5.61	.085	306	1.16	14.9	cloudy	Depth 55', PR .25 gpm
11:05	24.0	47.81	5.58	.088	338	1.23	15.3	cloudy	Depth 55', PR .25 gpm

TD - DTW = WC x 2 1/4' well = One PV x 5 = Min PV + H2O to install well = Minimum H2O to remove

$$57.44 - 18.63 = 38.81 \times .163 = 6.33 \text{ PV} \times 5 = 31.65 \text{ PV} + 120 \text{ g} = 151.65 \text{ g} \quad \text{Calculation Error}$$

2-7-02

Parcel No.: ISA POW
 Well ID: MW01
 Date: 2-7-02

Lee FLIPPEN

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
11:20	27.75	49.98	5.77	.108	581	1.39	9.8	cloudy	Depth 55', PR .30 gpm
11:35	32.25	50.49	5.46	.090	604	1.64	12.1	cloudy	Depth 55', PR .25 gpm
11:50	36.0	51.83	5.69	.090	651	1.83	10.4	cloudy	Depth 55' PR .10 gpm
12:05	37.5	50.41	5.64	.095	692	2.01	10.6	cloudy	Depth 55' PR .10 gpm
12:20	39.0	50.13	5.68	.096	571	2.29	8.8	cloudy	Depth 55' PR .10 gpm
12:35	40.5	50.43	5.63	.092	543	1.88	9.9	cloudy	Depth 55' PR .10 gpm
12:50	42.0	51.15	5.55	.079	595	2.38	13.2	cloudy	Depth 55' PR .10 gpm
13:05	43.5	52.00	5.57	.085	461	2.42	14.4	cloudy	Depth 55' PR .10 gpm
13:20	45.0	~~52.68~~ 52.68 IF	5.66	.097	218	1.69	12.8	cloudy	Depth 55' PR .10 gpm
13:35	46.5	52.65	5.72	.101	158	1.81	10.9	cloudy	Depth 55' PR .10 gpm
13:50	48.0	53.18	5.65	.101	197	2.39	11.8	cloudy	Depth 55' PR .10 gpm
14:05	49.5	53.63	5.68	.101	210	2.08	10.6	cloudy	Depth 55' PR .10 gpm
14:20	51.0	53.89	5.70	.101	248	1.98	11.3	cloudy	Depth 55' PR .10 gpm

Parcel No.: ISA POW
 Well ID: MWO1
 Date: 2-7-02

2-8-02 PID 0.0, wc = 32.15'

Lee FLIPPEN

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
14:35	52.5	54.33	5.61	108	999 ⁺	2.24	9.9	Brown	Depth 55', Purge Rate = .10 gpm
14:50	54.0	56.01	5.63	.079	311	2.83	10.3	cloudy	Depth 55', PR = .10 gpm
14:55	Well Ran Dry				20 min wait and check water level				
15:15	54.0	51.23	Well did not recover 80% (= 26.39 ft)			Recharge Rate = 57.44 - 51.23 ft = 6.21 ft / 20 min = .31 ft/min			Check for 80% Recovery = .80 x 38.81 WC = 31.05 ft Water Level 51.23 ft (80%) = 26.39 ft IF 2-7-02
02-08-02 09:25	54.00	25.29	5.55	.065	68	7.70	13.4	cloudy	02-08-02 Moved to 281 @ 0930 Depth 26', Purge Rate .25 gpm
09:40	57.75	33.72	5.77	.052	158	8.08	13.9	cloudy	Depth 35', 37', 39', P.R. .25 gpm
09:55	61.5	37.82	5.73	.052	165	8.48	14.4	cloudy	Depth 41', 43', 45' PR. .25 gpm
10:10	65.25	39.43	5.72	.050	134	8.24	14.6	cloudy	Depth 47', 49' PR. .25 gpm
10:25	69.0	40.82	5.78	.052	108	7.21	15.4	cloudy	Depth 51', 53' PR. .25 gpm
10:40	72.75	42.18	5.86	.056	102	7.56	15.9	cloudy	Depth 53', PR. .25 gpm
10:55	76.5	43.91	5.90	.065	138	7.33	15.5	cloudy	Depth 53', PR. .25 gpm
11:10	80.25	44.82	5.82	.055	159	7.24	16.4	cloudy	Depth 45', PR. .10 gpm
11:25	81.75	44.89	5.82	.055	137	7.36	17.2	cloudy	Depth 45', PR. .10 gpm

Parcel No.: ISA POWWell ID: MW 01Date: 2-8-02Loc FLIPPEN

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
									Purge Rate
11:40	83.25	46.23	5.83	.056	123	7.52	17.8	cloudy	Depth 49', PR .10 gpm
11:55	84.75	47.38	5.81	.058	105	7.46	17.8	cloudy	Depth 49', PR .10 gpm
12:10	^{86.25 LF 2-8-02} 86.25	48.71	5.81	.058	96	7.50	17.3	cloudy	8 hrs Development time Completed - Took 12. H ₂ O photo Sample @ 12:10 2-8-02 ~~Joe Flippen~~
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~~8 hrs Development
Completed 2-8-02
Joe Flippen~~

Groundwater Well Development Log

Fort McClellan, Alabama

Project Number: 796887
 Form Completed by: Lee FLIPPEN
 Well Developed by (person/firm): Lee FLIPPEN / IT Corp.

Parcel No.: ISAP0WMW02
 Well No.: MW02
 Date started: 2-11-02

Monitoring Well Information

Development Method: Surge + purge
 Development Equipment: whale pumps, Horioka U-10
Aqua fast II, Heron water ladder, 12V. battery
 Casing Diameter: 2" .163

Beginning Measurements
 Depth to Water (ft): 19.19 ft. TOC
 Total depth of Well (ft): 57.62 ft. TOC

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date) (Purge Rate, Pump Position, Misc.)
<u>-Surge Entire Well Screen-</u>									
10:05	0	19.19	5.66	.063	999+	1.88	14.7	Brown	Depth 5.5 ft. Purge rate = .80 gpm
10:20	12.0	38.63	5.59	.084	999+	2.56	15.8	Brown	Depth 55 ft. PR = .80 gpm
10:35	24.0	47.67	5.46	.071	999+	1.89	15.8	Brown	Depth 55 ft. PR = .25 gpm
10:50	27.75	50.20	5.51	.062	999+	2.86	15.6	Brown	Depth 55 ft. PR = .25 gpm
11:05	31.5	50.71	5.51	.054	535	3.68	15.1	Brown	Depth 55 ft. PR .20 gpm
11:20	34.5	50.61	5.51	.054	362	3.05	15.0	Brown	Depth 55 ft. PR .20 gpm
11:35	37.5	50.47	5.50	.049	114	3.71	15.2	cloudy	Depth 55 ft. PR .15 gpm

$$\text{TD} - \text{DTW} = \text{WC} \times 2\frac{1}{4}' \text{ well} = \text{One PV} \times 5 = \text{Min PV} + \text{H2O to install well} = \text{Minimum H2O to remove}$$

$$57.62 - 19.19 = 38.43 \times .163 = 6.26 \times 5 = 31.3 + 120 = 151.3$$

2016/11/17
 2/13/02

Parcel No.: ISA POW MW02Well ID: MW02Date: 2-11-02Lee FLIPPEN

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
11:50	~~39.75~~ 40.2	49.82	5.52	.048	213	4.82	14.9	cloudy	Depth 55' Purge Rate .15 gpm
12:05	42.0	50.36	5.45	.048	317	5.92	16.9	cloudy	Depth 55' Purge Rate .15 gpm
12:20	44.25	50.12	5.44	.045	83	6.62	17.0	cloudy	Depth 55' Purge Rate .15 gpm
12:35	46.5	50.52	~~5.42~~ 5.47	.045	1060	6.66	15.3	Brown	Depth 55' PR .20 gpm
12:50	49.5	51.84	5.45	.055	225	4.10	16.8	cloudy	Depth 55' PR .15 gpm
13:05	51.75	50.55	5.49	.060	175	4.65	15.7	cloudy	Depth 55' PR .15 gpm
13:20	54.0	50.91	5.43	.058	121	3.39	17.0	cloudy	Depth 55' PR .15 gpm
13:35	56.25	50.69	5.46	.051	68	5.77	16.9	cloudy	Depth 55' PR .15 gpm
13:50	58.5	50.98	5.44	.048	39	6.18	17.5	cloudy	Depth 55' PR .15 gpm
14:05	60.75	50.69	5.44	.048	33	6.83	16.6	clear	Depth 53' PR .20 gpm
14:20	63.75	50.42	5.42	.044	186	6.89	16.5	cloudy	Depth 53' PR .20 gpm
14:35	66.75	50.82	5.41	.042	34	7.40	16.9	clear	Depth 53' PR .20 gpm
14:50	69.75	50.91	5.47	.043	188	7.27	16.6	cloudy	Depth 54' PR .20 gpm

Parcel No.: ISAPOW
 Well ID: MWO2
 Date: 2-11-02

2-12-02 PIDO.0 WC = 37.37'

Lee FLIPPEN

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments Purge Rate
15:05	72.75	52.24	5.39	.044	169	5.88	17.2	cloudy	Depth 54', PR .29 gpm
15:20	75.75	53.28	5.43	.063	367	3.05	17.1	cloudy	Depth 57' PR .29 gpm
15:35	78.75	53.58	5.45	.059	999+	3.10	17.1	cloudy	Depth 57' PR .39 gpm
15:50	83.25	55.90	5.63	.082	999+	3.05	16.3	cloudy	Depth 57' PR .39 gpm
15:51	well Ran Dry - wait 20 min. and check for 80% Recharge 80% x 38.43 = 30.74 - 57.62 = 26.88 water level								wait 20 min.
16:11	83.25	55.17	well did not Recover 80%						Recharge Rate = 54.62 - 55.18 = 2.45/20 min. = .124/min. ~~Recharge~~ 2-11-02
2-12-02 08:40	83.25	20.25	5.17	.091	191	11.08	14.3	cloudy	2-12-02 Depth 35', 37', 39' PR = .25 gpm
08:55	87.0	33.63	5.62	.053	70	12.77	14.2	cloudy	Depth 41', 43', 45' PR .25 gpm
09:10	90.25	38.45	5.62	.051	27	11.47	14.9	clear	Depth 47', 49', 51' PR .25 gpm
09:25	94.0	39.14	5.60	.046	236	10.95	15.0	cloudy	Depth 49' PR .25 gpm
09:40	97.75	39.92	5.60	.048	215	11.10	14.7	cloudy	Depth 49' PR .25 gpm
09:55	101.5	40.29	5.59	.049	477	10.63	14.5	cloudy	Depth 49' PR .10 gpm
10:10	103.0	39.63	5.60	.050	122	10.51	13.4	cloudy	Depth 49' PR .10 gpm

Parcel No.: ISA POWWell ID: MW 02Date: 2-12-022-12-02 PID. 0.0 WC 37.37'Lee FLIPPEN

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
									Purge Rate
10:25	104.5	38.71	5.68	.054	60	10.64	13.1	cloudy	Depth 49 ft. PR .10 gpm
10:40	106.0	38.23	5.74	.054	91	11.13	10.8	cloudy	Depth 49 ft. PR .10 gpm
10:55	107.5	38.89	5.63	.051	96	11.08	14.8	cloudy	Depth 49 ft. PR .10 gpm
—	8 hrs development time completed - Took 1L H ₂ O photo sample								2-12-02 Lee Flippen
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APPENDIX D
SURVEY DATA

Appendix D

Survey Data Impact Area South of POW Training Facility Former Rifle/Machine Gun Ranges, Parcels 100Q and 101Q Fort McClellan, Calhoun County, Alabama

Sample Location	Northing	Easting	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)
IMP-IASPOW-GP01	1180387.71	675905.71	781.70	NA
IMP-IASPOW-GP02	1180387.28	675800.72	775.08	NA
IMP-IASPOW-GP03	1180562.54	676034.15	779.85	NA
IMP-IASPOW-GP04	1180554.19	676055.33	782.41	NA
IMP-IASPOW-GP05	1180685.80	676206.21	784.95	NA
IMP-IASPOW-GP06	1180735.50	676394.92	791.39	NA
IMP-IASPOW-GP07	1180527.75	676072.94	784.27	NA
IMP-IASPOW-GP08	1180582.28	676153.18	788.68	NA
IMP-IASPOW-GP09	1180650.83	676247.72	796.67	NA
IMP-IASPOW-GP10	1180518.3	676020.12	792.55	NA
IMP-IASPOW-GP11	1180584.91	676017.42	778.58	NA
IMP-IASPOW-GP12	1180606.05	676085.25	789.81	NA
IMP-IASPOW-GP13	1180681.17	676136.62	793.72	NA
IMP-IASPOW-GP14	1180743.89	676241.68	790.72	NA
IMP-IASPOW-GP15	1180788.92	676342.41	794.66	NA
IMP-IASPOW-GP16	1180787.13	676418.24	801.13	NA
IMP-IASPOW-GP17	1180687.04	676451.51	802.06	NA
IMP-IASPOW-GP18	1180675.37	676375.35	804.28	NA
IMP-IASPOW-GP19	1180595.89	676282.95	800.13	NA
IMP-IASPOW-GP20	1180470.63	676096.03	804.09	NA
IMP-IASPOW-MW01	1180623.46	676133.59	786.00	788.07
IMP-IASPOW-MW02	1180468.36	675865.12	778.28	780.33

Horizontal coordinates referenced to the U.S. State Plane Coordinate System, Alabama East Zone, North American Datum of 1983 (NAD83).

Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

ft amsl - Feet above mean sea level

NA - Not applicable.

APPENDIX E
VARIANCE REPORT



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Variance No:

PARCEL100QIASPOWFEBRU
ARY02.VR1

Linked w/NC No:

x

Date of Issue:

2/4/02

Page 1 of 1

Project Name: **Fort McClellan - CK10 \ WAD 11**

Project Number: 796887.11020300

-Variance Report -

I. Description: (by the person identifying the change)

SITE SPECIFIC FIELD SAMPLING PLAN, SMALL ARMS IMPACT AREA SOUTH OF THE FORMER PRISONER OF WAR TRAINING FACILITY, FORMER RIFLE / MACHINE GUN RANGES, PARCELS 100Q AND 101Q

The Final Site-Specific Field Sampling Plan (FSSFSP) proposed a surface soil sample, subsurface soil sample and groundwater sample at sample location HR-IASPOW-MW01. The surface soil sample and subsurface soil sample were collected approximately 15 feet north of the proposed sample location.

Identified by: **Jeffrey J. Tarr, IT Site Manager**

Date: 2/4/02

II. Justification for Variance:

The FSSFSP proposed sample location HR-IASPOW-MW01 in the central portion of a possible target berm. During a site walk by IT personnel visible evidence of lead was identified on the ground surface approximately 15 feet north of proposed sample location HR-IASPOW-MW01. Therefore, a decision was made by the IT Site Manager to relocate the direct-push soil boring location HR-IASPOW-MW01 approximately 15 feet north of the residuum monitoring well HR-IASPOW-MW01. Relocating the direct-push soil boring within the area with visible lead will more accurately determine the presence or absence of soil contamination. The residuum monitor well HR-IASPOW-MW01 was successfully installed at the proposed location. This variance will not alter the scope or intent of the Site Investigation at the Small Arms Impact Area.

III. Applicable Document/Work Plan: (by the person identifying the change)

Final Site-Specific Field Sampling Plan, Site-Specific Safety and Health Plan, and Site-Specific Unexploded Ordnance Safety Plan Attachments, Small Arms Impact Area, South of the Former Prisoner of War Training Facility, Former Rifle/Machine Gun Ranges, Parcels 100Q and 101Q, **JANUARY 2002.**

JK 2-5-02

Distribution List:

1. Jeanne Yacoub, IT Project Manager
2. Steve Moran, IT Technical Lead
3. Jeffrey Tarr, IT Site Manager
4. Randy McBride, IT QA Officer
5. Mr. Ellis Pope, US Army Corps of Engineers
6. Mr. Ross McCollum, US Army Corps of Engineers

- Signatures -

Requested by: **Jeffrey Tarr, PG - IT Site Manager** **2-5-2002**

Date

COE
Approved by:

Darryl A. Thibault **02/13/02**

Date

Project Manager Approval:

Jeanne Yacoub **2/20/02**

Date

QA Approval:

RANDY L. MCBRIDE **2-19-02**

Date

APPENDIX F

SUMMARY OF VALIDATED ANALYTICAL DATA

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

Page: 1 of 48

<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL HERBICIDE													
SW8151A													
2,2-Dichloropropanoic Acid	mg/kg							.023	U	UJ			
2,4,5-T	mg/kg							.012	U	U			
2,4,5-TP	mg/kg							.012	U	U			
2,4-D	mg/kg							.012	U	U			
2,4-DB	mg/kg							.023	U	U			
Dicamba	mg/kg							.023	U	U			
Dichloroprop	mg/kg							.012	U	U			
Dinoseb	mg/kg							.012	U	U			
MCPA	mg/kg							2.3	U	U			
MCPP	mg/kg							2.3	U	U			
CL PESTICIDES													
SW8081A													
4,4'-DDD	mg/kg							.0046	U	U			
4,4'-DDE	mg/kg							.0046	U	U			
4,4'-DDT	mg/kg							.0046	U	U			
Aldrin	mg/kg							.0023	U	U			
Dieldrin	mg/kg							.0046	U	U			
Endosulfan I	mg/kg							.0023	U	U			
Endosulfan II	mg/kg							.0046	U	UJ			
Endosulfan sulfate	mg/kg							.0046	U	U			
Endrin	mg/kg							.0046	U	U			
Endrin aldehyde	mg/kg							.0046	U	U			
Endrin ketone	mg/kg							.0046	U	U			
Heptachlor	mg/kg							.0023	U	U			
Heptachlor epoxide	mg/kg							.0023	U	U			
Methoxychlor	mg/kg							.023	U	U			
Toxaphene	mg/kg							.046	U	U			
alpha-BHC	mg/kg							.0023	U	U			
alpha-Chlordane	mg/kg							.0023	U	U			
beta-BHC	mg/kg							.0023	U	U			

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0016	QG0022	QG0024	QG0026
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL HERBICIDE													
SW8151A													
2,2-Dichloropropanoic Acid	mg/kg												
2,4,5-T	mg/kg												
2,4,5-TP	mg/kg												
2,4-D	mg/kg												
2,4-DB	mg/kg												
Dicamba	mg/kg												
Dichloroprop	mg/kg												
Dinoseb	mg/kg												
MCPA	mg/kg												
MCPP	mg/kg												

CL PESTICIDES

SW8081A	
4,4'-DDD	mg/kg
4,4'-DDE	mg/kg
4,4'-DDT	mg/kg
Aldrin	mg/kg
Dieldrin	mg/kg
Endosulfan I	mg/kg
Endosulfan II	mg/kg
Endosulfan sulfate	mg/kg
Endrin	mg/kg
Endrin aldehyde	mg/kg
Endrin ketone	mg/kg
Heptachlor	mg/kg
Heptachlor epoxide	mg/kg
Methoxychlor	mg/kg
Toxaphene	mg/kg
alpha-BHC	mg/kg
alpha-Chlordane	mg/kg
beta-BHC	mg/kg

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>				
<i>Lab Method</i>				

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

CL HERBICIDE

SW8151A

2,2-Dichloropropanoic Acid	mg/kg				.024	U	U
2,4,5-T	mg/kg				.012	U	U
2,4,5-TP	mg/kg				.012	U	U
2,4-D	mg/kg				.012	U	U
2,4-DB	mg/kg				.024	U	U
Dicamba	mg/kg				.024	U	U
Dichloroprop	mg/kg				.012	U	U
Dinoseb	mg/kg				.012	U	UJ
MCPA	mg/kg				2.4	U	U
MCPD	mg/kg				2.4	U	U

CL PESTICIDES

SW8081A

4,4'-DDD	mg/kg				.0048	U	U
4,4'-DDE	mg/kg				.0048	U	U
4,4'-DDT	mg/kg				.00089	J	J
Aldrin	mg/kg				.0024	U	U
Dieldrin	mg/kg				.0048	U	U
Endosulfan I	mg/kg				.0024	U	U
Endosulfan II	mg/kg				.0048	U	U
Endosulfan sulfate	mg/kg				.0048	U	U
Endrin	mg/kg				.0048	U	U
Endrin aldehyde	mg/kg				.0048	U	U
Endrin ketone	mg/kg				.0048	U	U
Heptachlor	mg/kg				.0024	U	U
Heptachlor epoxide	mg/kg				.0024	U	U
Methoxychlor	mg/kg				.024	U	U
Toxaphene	mg/kg				.048	U	U
alpha-BHC	mg/kg				.0024	U	U
alpha-Chlordane	mg/kg				.0024	U	U
beta-BHC	mg/kg				.0024	U	U

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
CL HERBICIDE							
SW8151A							
2,2-Dichloropropanoic Acid	mg/kg				.024	U	UJ
2,4,5-T	mg/kg				.012	U	U
2,4,5-TP	mg/kg				.012	U	U
2,4-D	mg/kg				.012	U	U
2,4-DB	mg/kg				.024	U	U
Dicamba	mg/kg				.024	U	U
Dichloroprop	mg/kg				.012	U	U
Dinoseb	mg/kg				.012	U	U
MCPA	mg/kg				2.4	U	U
MCPP	mg/kg				2.4	U	U

CL PESTICIDES

SW8081A							
4,4'-DDD	mg/kg				.0047	U	U
4,4'-DDE	mg/kg				.0047	U	U
4,4'-DDT	mg/kg				.0047	U	U
Aldrin	mg/kg				.0024	U	U
Dieldrin	mg/kg				.0047	U	U
Endosulfan I	mg/kg				.0024	U	U
Endosulfan II	mg/kg				.0047	U	UJ
Endosulfan sulfate	mg/kg				.0047	U	U
Endrin	mg/kg				.0047	U	U
Endrin aldehyde	mg/kg				.0047	U	U
Endrin ketone	mg/kg				.0047	U	U
Heptachlor	mg/kg				.0024	U	U
Heptachlor epoxide	mg/kg				.0024	U	U
Methoxychlor	mg/kg				.024	U	U
Toxaphene	mg/kg				.047	U	U
alpha-BHC	mg/kg				.0024	U	U
alpha-Chlordane	mg/kg				.0024	U	U
beta-BHC	mg/kg				.0024	U	U

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg										.0023	U	U
gamma-BHC (Lindane)	mg/kg										.0023	U	U
gamma-Chlordane	mg/kg										.0023	U	U
METALS													
SW6010B													
Aluminum	mg/kg	22900			8440			26500			21700		
Antimony	mg/kg	11.8	U	UJ	11.1	U	UJ	11.5	U	UJ	11.5	U	UJ
Arsenic	mg/kg	8.8			4.99			13.4			10		
Barium	mg/kg	40.8			30.2			77.7			106		
Beryllium	mg/kg	.618	J	J	.455	J	J	.793	J	J	.871	J	J
Cadmium	mg/kg	1.18	U	U	1.11	U	U	1.15	U	U	1.15	U	U
Calcium	mg/kg	134			101	J	J	327			394		
Chromium	mg/kg	12.8			6.6			14.4			14.7		
Cobalt	mg/kg	7.13			4			8.98			9.4		
Copper	mg/kg	12.8			9.87			37.6			55.5		
Iron	mg/kg	26100			16600			29200			27300		
Lead	mg/kg	26			26.3			110			225		
Magnesium	mg/kg	665			326			1070			753		
Manganese	mg/kg	868			419			1290			1690		
Nickel	mg/kg	11.4			6.42			15.4			13.9		
Potassium	mg/kg	581	J	J	433	J	J	1030			705		
Selenium	mg/kg	1.18	U	U	1.11	U	U	1.15	U	U	1.15	U	U
Silver	mg/kg	1.74	J	J	2.21	U	U	1.88	J	J	1.8	J	J
Sodium	mg/kg	65.8	J	J	59.3	J	J	64.3	J	J	68.2	J	J
Thallium	mg/kg	2.35	U	U	2.21	U	U	2.3	U	U	2.31	U	U
Vanadium	mg/kg	36.6			16			38.6			35.2		
Zinc	mg/kg	37.9			17.4			40			37		
SW7471A													
Mercury	mg/kg	.0679	J	J	.111	U	U	.0403	J	J	.0333	J	J

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP05	IMP-IASPOW-GP06	IMP-IASPOW-GP07	IMP-IASPOW-GP08
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0010	QG0012	QG0014	QG0015
<i>Sample Date:</i>	23-JAN-02	24-JAN-02	23-JAN-02	23-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>													
<i>Lab Method</i>													
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg												
gamma-BHC (Lindane)	mg/kg												
gamma-Chlordane	mg/kg												
METALS													
SW6010B													
Aluminum	mg/kg	26900			31400			24500			32000		
Antimony	mg/kg	12	U	UJ	12	U	UJ	11.7	U	UJ	11.9	U	UJ
Arsenic	mg/kg	9.19			12.1		J	16.6		J	10.4		J
Barium	mg/kg	51.1			118			115			89.9		
Beryllium	mg/kg	.641	J	J	1.3			1.28			.813	J	J
Cadmium	mg/kg	1.2	U	U	1.2	U	U	1.17	U	U	1.19	U	U
Calcium	mg/kg	231			219			234			444		
Chromium	mg/kg	19.9			37.7			16.7			20.8		
Cobalt	mg/kg	23.4			14.4			10.9			9.85		
Copper	mg/kg	14.8			28.4			53.6			26.6		
Iron	mg/kg	33100			33600			39800			29400		
Lead	mg/kg	65.2			116			164			62.9		
Magnesium	mg/kg	788			964			896			1070		
Manganese	mg/kg	2320			3190			1830			770		
Nickel	mg/kg	11.7			16.8			17.3			15.3		
Potassium	mg/kg	669			887			1020			903		
Selenium	mg/kg	.694	J	J	1.2	U	UJ	1.17	U	UJ	.627	J	J
Silver	mg/kg	2.13	J	J	2.39	U	U	2.34	U	U	2.38	U	U
Sodium	mg/kg	64.2	J	J	47.4	J	J	40.3	J	J	43.4	J	J
Thallium	mg/kg	2.4	U	U	2.39	U	U	2.34	U	U	2.38	U	U
Vanadium	mg/kg	47.8			52.9			44.3			46.3		
Zinc	mg/kg	31			46.6		J	55.4		J	47.9		J
SW7471A													
Mercury	mg/kg	.112	J	J	.0386	J	J	.0458	J	J	.05	J	J

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0016	QG0022	QG0024	QG0026
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg												
gamma-BHC (Lindane)	mg/kg												
gamma-Chlordane	mg/kg												
METALS													
SW6010B													
Aluminum	mg/kg	30600			12200			23200			16800		
Antimony	mg/kg	11.6	U	UJ	11.7	U	UJ	12	U	UJ	11.7	U	UJ
Arsenic	mg/kg	13.8		J	4.78			7.09			5.3		
Barium	mg/kg	114			86.1			84.4			90.3		
Beryllium	mg/kg	1.15	J	J	.605	J	J	.739	J	J	.68	J	J
Cadmium	mg/kg	1.16	U	U	1.17	U	U	1.2	U	U	1.17	U	U
Calcium	mg/kg	1390			369			470			332		
Chromium	mg/kg	21.6			8.8		J	18.2		J	13.9		J
Cobalt	mg/kg	14.5			5.6			8.82			7.62		
Copper	mg/kg	37.8			74.9			38.7			132		
Iron	mg/kg	32700			14400			25100			17900		
Lead	mg/kg	193			422			188			515		
Magnesium	mg/kg	1420			471			865			601		
Manganese	mg/kg	2660			1730			1620			1600		
Nickel	mg/kg	18.2			7.44		J	12		J	8.29		J
Potassium	mg/kg	1040			629			867			585		
Selenium	mg/kg	1.16	U	UJ	1.09	J	B	1.25		B	1.05	J	B
Silver	mg/kg	2.33	U	U	2.33	U	U	2.4	U	U	2.33	U	U
Sodium	mg/kg	55.1	J	J	117	U	U	25	J	B	117	U	U
Thallium	mg/kg	2.33	U	U	2.33	U	U	2.4	U	U	2.33	U	U
Vanadium	mg/kg	48.4			19.8		J	36.9		J	27.2		J
Zinc	mg/kg	47.2		J	27.1			32.9			43.1		
SW7471A													
Mercury	mg/kg	.0418	J	J	.0381	J	B	.0816	J	B	.117	U	U

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

CL PESTICIDES

SW8081A

delta-BHC	mg/kg				.0024	U	U
gamma-BHC (Lindane)	mg/kg				.0024	U	U
gamma-Chlordane	mg/kg				.0024	U	U

METALS

SW6010B

Aluminum	mg/kg	22600			18700			17100			22100		
Antimony	mg/kg	11.8	U	UJ	12	U	UJ	5.41	J	J	11.6	U	UJ
Arsenic	mg/kg	6.12			9.35			8.68			8.24		
Barium	mg/kg	78			48.9			88.9			41.9		
Beryllium	mg/kg	.703	J	J	.54	J	J	.757	J	J	.469	J	J
Cadmium	mg/kg	1.18	U	U	1.2	U	U	1.19	U	U	1.16	U	U
Calcium	mg/kg	462			303			532			215		
Chromium	mg/kg	20.6		J	24			19.1			22		
Cobalt	mg/kg	7.27			11.5			9.14			10.8		
Copper	mg/kg	61.1			13.6			200			12.1		
Iron	mg/kg	21100			30500			26400			30300		
Lead	mg/kg	339			52.9			809			42.8		
Magnesium	mg/kg	775			538			571			631		
Manganese	mg/kg	1040			1420		J	1780		J	926		J
Nickel	mg/kg	11.6		J	8.07			8.63			9.4		
Potassium	mg/kg	803			565	J	J	541	J	J	540	J	J
Selenium	mg/kg	1.54		B	2.08			1.33		B	1.71		
Silver	mg/kg	2.35	U	U	2.41	U	U	2.38	U	U	2.33	U	U
Sodium	mg/kg	30.7	J	B	23.6	J	B	26.1	J	B	25.5	J	B
Thallium	mg/kg	2.35	U	U	2.41	U	U	2.38	U	U	2.33	U	U
Vanadium	mg/kg	34.7		J	41.6			35.9			43.9		
Zinc	mg/kg	33.9			21.8		J	43.8		J	24.9		J

SW7471A

Mercury	mg/kg	.0675	J	B	.0747	J	J	.0606	J	J	.0947	J	J

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19	IMP-IASPOW-GP20
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0037	QG0039	QG0041	QG0043
<i>Sample Date:</i>	02-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg												
gamma-BHC (Lindane)	mg/kg												
gamma-Chlordane	mg/kg												
METALS													
SW6010B													
Aluminum	mg/kg	26100			24800			30500			20300		
Antimony	mg/kg	11.6	U	UJ	11.8	U	UJ	12	U	UJ	12.4	U	UJ
Arsenic	mg/kg	7.72			7.62			9.18			8.61		
Barium	mg/kg	59.7			93.8			97.9			124		
Beryllium	mg/kg	.689	J	J	.885	J	J	.958	J	J	1.57		
Cadmium	mg/kg	1.16	U	U	1.18	U	U	1.2	U	U	1.24	U	U
Calcium	mg/kg	202			435			347			402		
Chromium	mg/kg	28.8		J	20.5		J	18.1		J	14.8		J
Cobalt	mg/kg	9.36			9.74			10.3			11.5		
Copper	mg/kg	32			15.7			36.2			41.8		
Iron	mg/kg	32500			25300			29800			45400		
Lead	mg/kg	97.9			64.3			151			254		
Magnesium	mg/kg	783			845			964			896		
Manganese	mg/kg	1540			2010			2260			2540		
Nickel	mg/kg	11.2		J	12.2		J	15.7		J	17.2		J
Potassium	mg/kg	594			750			874			1110		
Selenium	mg/kg	1.85		B	1.39		B	1.8		B	1.94		B
Silver	mg/kg	2.33	U	U	2.36	U	U	2.41	U	U	2.48	U	U
Sodium	mg/kg	24.9	J	B	26.7	J	B	34.9	J	B	25.8	J	B
Thallium	mg/kg	2.33	U	U	2.36	U	U	2.41	U	U	2.48	U	U
Vanadium	mg/kg	47.8		J	40.1		J	44.4		J	40.1		J
Zinc	mg/kg	31.2			27.7			36			47.3		
SW7471A													
Mercury	mg/kg	.0776	J	B	.0502	J	J	.0743	J	J	.0797	J	J

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
CL PESTICIDES							
SW8081A							
delta-BHC	mg/kg				.0024	U	U
gamma-BHC (Lindane)	mg/kg				.0024	U	U
gamma-Chlordane	mg/kg				.0024	U	U
METALS							
SW6010B							
Aluminum	mg/kg	20500			20800		
Antimony	mg/kg	11.7	U	UJ	11.8	U	UJ
Arsenic	mg/kg	5.51		J	8		J
Barium	mg/kg	42.9			58.1		
Beryllium	mg/kg	.473	J	J	.689	J	J
Cadmium	mg/kg	1.17	U	U	1.18	U	U
Calcium	mg/kg	72.7	J	J	180		
Chromium	mg/kg	14.6			12.5		
Cobalt	mg/kg	4.54			8.97		
Copper	mg/kg	12.5			14.6		
Iron	mg/kg	22000			26700		
Lead	mg/kg	14.6			30.3		
Magnesium	mg/kg	635			679		
Manganese	mg/kg	299			992		
Nickel	mg/kg	8.65			11.9		
Potassium	mg/kg	635			564	J	J
Selenium	mg/kg	1.17	U	UJ	1.18	U	UJ
Silver	mg/kg	2.35	U	U	2.36	U	U
Sodium	mg/kg	39.4	J	J	39.6	J	J
Thallium	mg/kg	2.35	U	U	2.36	U	U
Vanadium	mg/kg	34			36.8		
Zinc	mg/kg	29.1		J	29.1		J
SW7471A							
Mercury	mg/kg	.0357	J	J	.0486	J	J

Report Date: 03/26/03

<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
NITROAROMATICS													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
1,3-Dinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,4,6-Trinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
3-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
HMX	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
Nitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
RDX	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
Tetryl	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
p-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U

SW8141A					
Azinphosmethyl	mg/kg		.038	U	U
Bolstar	mg/kg		.038	U	U
Chlorpyrifos	mg/kg		.077	U	U
Coumaphos	mg/kg		.038	U	U
Demeton	mg/kg		.038	U	U
Diazinon	mg/kg		.038	U	U
Dichlorvos	mg/kg		.077	U	U
Dimethoate	mg/kg		.077	U	U
Disulfoton	mg/kg		.038	U	U
Ethoprop	mg/kg		.038	U	U
Famphur	mg/kg		.077	U	UJ
Fensulfothion	mg/kg		.077	U	U
Fenthion	mg/kg		.038	U	U
Malathion	mg/kg		.038	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP05	IMP-IASPOW-GP06	IMP-IASPOW-GP07	IMP-IASPOW-GP08
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0010	QG0012	QG0014	QG0015
<i>Sample Date:</i>	23-JAN-02	24-JAN-02	23-JAN-02	23-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
NITROAROMATICS													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
1,3-Dinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,4,6-Trinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
3-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
HMX	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
Nitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
RDX	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
Tetryl	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
p-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U

SW8141A	
Azinphosmethyl	mg/kg
Bolstar	mg/kg
Chlorpyrifos	mg/kg
Coumaphos	mg/kg
Demeton	mg/kg
Diazinon	mg/kg
Dichlorvos	mg/kg
Dimethoate	mg/kg
Disulfoton	mg/kg
Ethoprop	mg/kg
Famphur	mg/kg
Fensulfothion	mg/kg
Fenthion	mg/kg
Malathion	mg/kg

Summary of Validated Surface Soil Analytical Data
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	Location Code:	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
	Associated Site:	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
	Sample No:	QG0016	QG0022	QG0024	QG0026
	Sample Date:	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
	Sample Depth:	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
NITROAROMATICS													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	.4	U	U									
1,3-Dinitrobenzene	mg/kg	.4	U	U									
2,4,6-Trinitrotoluene	mg/kg	.4	U	U									
2,4-Dinitrotoluene	mg/kg	.4	U	U									
2,6-Dinitrotoluene	mg/kg	.4	U	U									
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U									
2-Nitrotoluene	mg/kg	.4	U	U									
3-Nitrotoluene	mg/kg	.4	U	U									
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U									
HMX	mg/kg	.4	U	U									
Nitrobenzene	mg/kg	.4	U	U									
RDX	mg/kg	.4	U	U									
Tetryl	mg/kg	.4	U	U									
p-Nitrotoluene	mg/kg	.4	U	U									

OP PESTICIDES

SW8141A	
Azinphosmethyl	mg/kg
Bolstar	mg/kg
Chlorpyrifos	mg/kg
Coumaphos	mg/kg
Demeton	mg/kg
Diazinon	mg/kg
Dichlorvos	mg/kg
Dimethoate	mg/kg
Disulfoton	mg/kg
Ethoprop	mg/kg
Famphur	mg/kg
Fensulfotion	mg/kg
Fenthion	mg/kg
Malathion	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>				
<u><i>Lab Method</i></u>				

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

NITROAROMATICS

SW8330

1,3,5-Trinitrobenzene	mg/kg	.4	U	U						
1,3-Dinitrobenzene	mg/kg	.4	U	U						
2,4,6-Trinitrotoluene	mg/kg	.4	U	U						
2,4-Dinitrotoluene	mg/kg	.4	U	U						
2,6-Dinitrotoluene	mg/kg	.4	U	U						
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U						
2-Nitrotoluene	mg/kg	.4	U	U						
3-Nitrotoluene	mg/kg	.4	U	U						
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U						
HMX	mg/kg	.4	U	U						
Nitrobenzene	mg/kg	.4	U	U						
RDX	mg/kg	.4	U	U						
Tetryl	mg/kg	.4	U	U						
p-Nitrotoluene	mg/kg	.4	U	U						

OP PESTICIDES

SW8141A

Azinphosmethyl	mg/kg	.04	U	U						
Bolstar	mg/kg	.04	U	U						
Chlorpyrifos	mg/kg	.081	U	U						
Coumaphos	mg/kg	.04	U	U						
Demeton	mg/kg	.04	U	U						
Diazinon	mg/kg	.04	U	U						
Dichlorvos	mg/kg	.081	U	R						
Dimethoate	mg/kg	.081	U	U						
Disulfoton	mg/kg	.04	U	U						
Ethoprop	mg/kg	.04	U	U						
Famphur	mg/kg	.081	U	U						
Fensulfothion	mg/kg	.081	U	U						
Fenthion	mg/kg	.04	U	U						
Malathion	mg/kg	.04	U	U						

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<i>Location Code:</i>	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19	IMP-IASPOW-GP20
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0037	QG0039	QG0041	QG0043
<i>Sample Date:</i>	02-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

NITROAROMATICS

SW8330

1,3,5-Trinitrobenzene	mg/kg
1,3-Dinitrobenzene	mg/kg
2,4,6-Trinitrotoluene	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Amino-4,6-dinitrotoluene	mg/kg
2-Nitrotoluene	mg/kg
3-Nitrotoluene	mg/kg
4-Amino-2,6-dinitrotoluene	mg/kg
HMX	mg/kg
Nitrobenzene	mg/kg
RDX	mg/kg
Tetryl	mg/kg
p-Nitrotoluene	mg/kg

OP PESTICIDES

SW8141A

Azinphosmethyl	mg/kg
Bolstar	mg/kg
Chlorpyrifos	mg/kg
Coumaphos	mg/kg
Demeton	mg/kg
Diazinon	mg/kg
Dichlorvos	mg/kg
Dimethoate	mg/kg
Disulfoton	mg/kg
Ethoprop	mg/kg
Famphur	mg/kg
Fensulfothion	mg/kg
Fenthion	mg/kg
Malathion	mg/kg

Summary of Validated Surface Soil Analytical Data
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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
NITROAROMATICS							
SW8330							
1,3,5-Trinitrobenzene	mg/kg	.4	U	U	.4	U	U
1,3-Dinitrobenzene	mg/kg	.4	U	U	.4	U	U
2,4,6-Trinitrotoluene	mg/kg	.4	U	U	.4	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2-Nitrotoluene	mg/kg	.4	U	U	.4	U	U
3-Nitrotoluene	mg/kg	.4	U	U	.4	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U
HMX	mg/kg	.4	U	U	.4	U	U
Nitrobenzene	mg/kg	.4	U	U	.4	U	U
RDX	mg/kg	.4	U	U	.4	U	U
Tetryl	mg/kg	.4	U	U	.4	U	U
p-Nitrotoluene	mg/kg	.4	U	U	.4	U	U

OP PESTICIDES

SW8141A

Azinphosmethyl	mg/kg	.039	U	U
Bolstar	mg/kg	.039	U	U
Chlorpyrifos	mg/kg	.079	U	U
Coumaphos	mg/kg	.039	U	U
Demeton	mg/kg	.039	U	U
Diazinon	mg/kg	.039	U	U
Dichlorvos	mg/kg	.079	U	U
Dimethoate	mg/kg	.079	U	U
Disulfoton	mg/kg	.039	U	U
Ethoprop	mg/kg	.039	U	U
Famphur	mg/kg	.079	U	UJ
Fensulfothion	mg/kg	.079	U	U
Fenthion	mg/kg	.039	U	U
Malathion	mg/kg	.039	U	U

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	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Location Code:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Associated Site:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample No:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Date:</i>	0 - 1	0 - 1	0 - 1	0 - 1
<i>Sample Depth:</i>				
<i>Lab Method</i>				

OP PESTICIDES

SEMIVOLATILES

SW8270C			SW8270C		
1,2,4-Trichlorobenzene	mg/kg	.38	U	U	
1,2-Dichlorobenzene	mg/kg	.38	U	U	
1,3-Dichlorobenzene	mg/kg	.38	U	U	
1,4-Dichlorobenzene	mg/kg	.38	U	U	
2,4,5-Trichlorophenol	mg/kg	.38	U	U	
2,4,6-Trichlorophenol	mg/kg	.73	U	U	
2,4-Dichlorophenol	mg/kg	.38	U	U	
2,4-Dimethylphenol	mg/kg	.38	U	U	
2,4-Dinitrophenol	mg/kg	.73	U	UJ	
2,4-Dinitrotoluene	mg/kg	.38	U	U	
2,6-Dinitrotoluene	mg/kg	.38	U	U	
2-Chloronaphthalene	mg/kg	.38	U	U	
2-Chlorophenol	mg/kg	.38	U	U	
2-Methylnaphthalene	mg/kg	.38	U	U	
2-Methylphenol	mg/kg	.38	U	U	
2-Nitroaniline	mg/kg	.73	U	U	

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<i>Location Code:</i>	IMP-IASPOW-GP05	IMP-IASPOW-GP06	IMP-IASPOW-GP07	IMP-IASPOW-GP08
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0010	QG0012	QG0014	QG0015
<i>Sample Date:</i>	23-JAN-02	24-JAN-02	23-JAN-02	23-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>				
<i>Lab Method</i>				

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

OP PESTICIDES

SW8141A

Merphos	mg/kg
Methyl Parathion	mg/kg
Mevinphos	mg/kg
Naled	mg/kg
Parathion	mg/kg
Phorate	mg/kg
Ronnel	mg/kg
Stirophos	mg/kg
Sulfotep	mg/kg
Thionazin	mg/kg
Tokuthion	mg/kg
Trichloronate	mg/kg

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	mg/kg
1,2-Dichlorobenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,4-Dichlorobenzene	mg/kg
2,4,5-Trichlorophenol	mg/kg
2,4,6-Trichlorophenol	mg/kg
2,4-Dichlorophenol	mg/kg
2,4-Dimethylphenol	mg/kg
2,4-Dinitrophenol	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Chloronaphthalene	mg/kg
2-Chlorophenol	mg/kg
2-Methylnaphthalene	mg/kg
2-Methylphenol	mg/kg
2-Nitroaniline	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0016	QG0022	QG0024	QG0026
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>				
<i>Lab Method</i>				

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

OP PESTICIDES

SW8141A

Merphos	mg/kg
Methyl Parathion	mg/kg
Mevinphos	mg/kg
Naled	mg/kg
Parathion	mg/kg
Phorate	mg/kg
Ronnel	mg/kg
Stirophos	mg/kg
Sulfotep	mg/kg
Thionazin	mg/kg
Tokuthion	mg/kg
Trichloronate	mg/kg

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	mg/kg
1,2-Dichlorobenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,4-Dichlorobenzene	mg/kg
2,4,5-Trichlorophenol	mg/kg
2,4,6-Trichlorophenol	mg/kg
2,4-Dichlorophenol	mg/kg
2,4-Dimethylphenol	mg/kg
2,4-Dinitrophenol	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Chloronaphthalene	mg/kg
2-Chlorophenol	mg/kg
2-Methylnaphthalene	mg/kg
2-Methylphenol	mg/kg
2-Nitroaniline	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
OP PESTICIDES													
SW8141A													
Merphos	mg/kg				.04	U	U						
Methyl Parathion	mg/kg				.04	U	U						
Mevinphos	mg/kg				.04	U	U						
Naled	mg/kg				.04	U	R						
Parathion	mg/kg				.04	U	U						
Phorate	mg/kg				.04	U	U						
Ronnel	mg/kg				.04	U	U						
Stirophos	mg/kg				.04	U	U						
Sulfotep	mg/kg				.04	U	U						
Thionazin	mg/kg				.04	U	U						
Tokuthion	mg/kg				.04	U	U						
Trichloronate	mg/kg				.04	U	U						
SEMIVOLATILES													
SW8270C													
1,2,4-Trichlorobenzene	mg/kg				.4	U	U						
1,2-Dichlorobenzene	mg/kg				.4	U	U						
1,3-Dichlorobenzene	mg/kg				.4	U	U						
1,4-Dichlorobenzene	mg/kg				.4	U	U						
2,4,5-Trichlorophenol	mg/kg				.4	U	U						
2,4,6-Trichlorophenol	mg/kg				.76	U	U						
2,4-Dichlorophenol	mg/kg				.4	U	U						
2,4-Dimethylphenol	mg/kg				.4	U	U						
2,4-Dinitrophenol	mg/kg				.76	U	U						
2,4-Dinitrotoluene	mg/kg				.4	U	U						
2,6-Dinitrotoluene	mg/kg				.4	U	U						
2-Chloronaphthalene	mg/kg				.4	U	U						
2-Chlorophenol	mg/kg				.4	U	U						
2-Methylnaphthalene	mg/kg				.4	U	U						
2-Methylphenol	mg/kg				.4	U	U						
2-Nitroaniline	mg/kg				.76	U	U						

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<i>Location Code:</i>	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19	IMP-IASPOW-GP20
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0037	QG0039	QG0041	QG0043
<i>Sample Date:</i>	02-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

Lab Method

Parameter

Units

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

SW8141A

Merphos	mg/kg
Methyl Parathion	mg/kg
Mevinphos	mg/kg
Naled	mg/kg
Parathion	mg/kg
Phorate	mg/kg
Ronnel	mg/kg
Stirophos	mg/kg
Sulfotep	mg/kg
Thionazin	mg/kg
Tokuthion	mg/kg
Trichloronate	mg/kg

SW8270C

1,2,4-Trichlorobenzene	mg/kg
1,2-Dichlorobenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,4-Dichlorobenzene	mg/kg
2,4,5-Trichlorophenol	mg/kg
2,4,6-Trichlorophenol	mg/kg
2,4-Dichlorophenol	mg/kg
2,4-Dimethylphenol	mg/kg
2,4-Dinitrophenol	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Chloronaphthalene	mg/kg
2-Chlorophenol	mg/kg
2-Methylnaphthalene	mg/kg
2-Methylphenol	mg/kg
2-Nitroaniline	mg/kg

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
OP PESTICIDES							
SW8141A							
Merphos	mg/kg				.039	U	U
Methyl Parathion	mg/kg				.039	U	U
Mevinphos	mg/kg				.039	U	U
Naled	mg/kg				.039	U	UJ
Parathion	mg/kg				.039	U	U
Phorate	mg/kg				.039	U	U
Ronnel	mg/kg				.039	U	U
Stirophos	mg/kg				.039	U	U
Sulfotep	mg/kg				.039	U	U
Thionazin	mg/kg				.039	U	U
Tokuthion	mg/kg				.039	U	U
Trichloronate	mg/kg				.039	U	U

SEMIVOLATILES

SW8270C							
1,2,4-Trichlorobenzene	mg/kg				.39	U	U
1,2-Dichlorobenzene	mg/kg				.39	U	U
1,3-Dichlorobenzene	mg/kg				.39	U	U
1,4-Dichlorobenzene	mg/kg				.39	U	U
2,4,5-Trichlorophenol	mg/kg				.39	U	U
2,4,6-Trichlorophenol	mg/kg				.74	U	U
2,4-Dichlorophenol	mg/kg				.39	U	U
2,4-Dimethylphenol	mg/kg				.39	U	U
2,4-Dinitrophenol	mg/kg				.74	U	UJ
2,4-Dinitrotoluene	mg/kg				.39	U	U
2,6-Dinitrotoluene	mg/kg				.39	U	U
2-Chloronaphthalene	mg/kg				.39	U	U
2-Chlorophenol	mg/kg				.39	U	U
2-Methylnaphthalene	mg/kg				.39	U	U
2-Methylphenol	mg/kg				.39	U	U
2-Nitroaniline	mg/kg				.74	U	U

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES													
SW8270C													
2-Nitrophenol	mg/kg							.38	U	U			
3,3'-Dichlorobenzidine	mg/kg							.73	U	U			
3-Nitroaniline	mg/kg							.73	U	U			
4,6-Dinitro-2-methylphenol	mg/kg							.73	U	U			
4-Bromophenyl phenyl ether	mg/kg							.38	U	U			
4-Chloro-3-methylphenol	mg/kg							.38	U	U			
4-Chloroaniline	mg/kg							.38	U	U			
4-Chlorophenyl phenyl ether	mg/kg							.38	U	U			
4-Methylphenol	mg/kg							.38	U	U			
4-Nitroaniline	mg/kg							.38	U	U			
4-Nitrophenol	mg/kg							.73	U	U			
Acenaphthene	mg/kg							.38	U	U			
Acenaphthylene	mg/kg							.38	U	U			
Anthracene	mg/kg							.38	U	U			
Benzo(a)anthracene	mg/kg							.38	U	U			
Benzo(a)pyrene	mg/kg							.38	U	U			
Benzo(b)fluoranthene	mg/kg							.38	U	U			
Benzo(ghi)perylene	mg/kg							.38	U	UJ			
Benzo(k)fluoranthene	mg/kg							.38	U	U			
Bis(2-Chloroethoxy)methane	mg/kg							.38	U	U			
Bis(2-Chloroethyl)ether	mg/kg							.38	U	U			
Bis(2-Chloroisopropyl)ether	mg/kg							.38	U	U			
Bis(2-Ethylhexyl)phthalate	mg/kg							.38	U	U			
Butyl benzyl phthalate	mg/kg							.38	U	U			
Carbazole	mg/kg							.38	U	U			
Chrysene	mg/kg							.38	U	U			
Di-n-butyl phthalate	mg/kg							.38	U	U			
Di-n-octyl phthalate	mg/kg							.38	U	U			
Dibenz(a,h)anthracene	mg/kg							.38	U	UJ			
Dibenzofuran	mg/kg							.38	U	U			
Diethyl phthalate	mg/kg							.38	U	U			

Report Date: 03/26/03

<i>Location Code:</i>	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0016	QG0022	QG0024	QG0026
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

Lab Method

Parameter

Units

Result	Oual	VOual
1	1	1
2	1	1
3	1	1
4	1	1
5	1	1
6	1	1
7	1	1
8	1	1
9	1	1
10	1	1
11	1	1
12	1	1
13	1	1
14	1	1
15	1	1
16	1	1
17	1	1
18	1	1
19	1	1
20	1	1
21	1	1
22	1	1
23	1	1
24	1	1
25	1	1
26	1	1
27	1	1
28	1	1
29	1	1
30	1	1
31	1	1
32	1	1
33	1	1
34	1	1
35	1	1
36	1	1
37	1	1
38	1	1
39	1	1
40	1	1
41	1	1
42	1	1
43	1	1
44	1	1
45	1	1
46	1	1
47	1	1
48	1	1
49	1	1
50	1	1
51	1	1
52	1	1
53	1	1
54	1	1
55	1	1
56	1	1
57	1	1
58	1	1
59	1	1
60	1	1
61	1	1
62	1	1
63	1	1
64	1	1
65	1	1
66	1	1
67	1	1
68	1	1
69	1	1
70	1	1
71	1	1
72	1	1
73	1	1
74	1	1
75	1	1
76	1	1
77	1	1
78	1	1
79	1	1
80	1	1
81	1	1
82	1	1
83	1	1
84	1	1
85	1	1
86	1	1
87	1	1
88	1	1
89	1	1
90	1	1
91	1	1
92	1	1
93	1	1
94	1	1
95	1	1
96	1	1
97	1	1
98	1	1
99	1	1
100	1	1

Result	Qual	VQual

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

Result	Qual	VQual

SW8270C

2-Nitrophenol	mg/kg
3,3'-Dichlorobenzidine	mg/kg
3-Nitroaniline	mg/kg
4,6-Dinitro-2-methylphenol	mg/kg
4-Bromophenyl phenyl ether	mg/kg
4-Chloro-3-methylphenol	mg/kg
4-Chloroaniline	mg/kg
4-Chlorophenyl phenyl ether	mg/kg
4-Methylphenol	mg/kg
4-Nitroaniline	mg/kg
4-Nitrophenol	mg/kg
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Bis(2-Chloroethoxy)methane	mg/kg
Bis(2-Chloroethyl)ether	mg/kg
Bis(2-Chloroisopropyl)ether	mg/kg
Bis(2-Ethylhexyl)phthalate	mg/kg
Butyl benzyl phthalate	mg/kg
Carbazole	mg/kg
Chrysene	mg/kg
Di-n-butyl phthalate	mg/kg
Di-n-octyl phthalate	mg/kg
Dibenz(a,h)anthracene	mg/kg
Dibenzofuran	mg/kg
Diethyl phthalate	mg/kg

Report Date: 03/26/03

<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

Lab Method

Parameter

Units

Result	Oual	VOual
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	0	0
27	0	0
28	0	0
29	0	0
30	0	0
31	0	0
32	0	0
33	0	0
34	0	0
35	0	0
36	0	0
37	0	0
38	0	0
39	0	0
40	0	0
41	0	0
42	0	0
43	0	0
44	0	0
45	0	0
46	0	0
47	0	0
48	0	0
49	0	0
50	0	0
51	0	0
52	0	0
53	0	0
54	0	0
55	0	0
56	0	0
57	0	0
58	0	0
59	0	0
60	0	0
61	0	0
62	0	0
63	0	0
64	0	0
65	0	0
66	0	0
67	0	0
68	0	0
69	0	0
70	0	0
71	0	0
72	0	0
73	0	0
74	0	0
75	0	0
76	0	0
77	0	0
78	0	0
79	0	0
80	0	0
81	0	0
82	0	0
83	0	0
84	0	0
85	0	0
86	0	0
87	0	0
88	0	0
89	0	0
90	0	0
91	0	0
92	0	0
93	0	0
94	0	0
95	0	0
96	0	0
97	0	0
98	0	0
99	0	0
100	0	0

Result	Oual	VOual
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	0.00
23	0.00	0.00
24	0.00	0.00
25	0.00	0.00
26	0.00	0.00
27	0.00	0.00
28	0.00	0.00
29	0.00	0.00
30	0.00	0.00
31	0.00	0.00
32	0.00	0.00
33	0.00	0.00
34	0.00	0.00
35	0.00	0.00
36	0.00	0.00
37	0.00	0.00
38	0.00	0.00
39	0.00	0.00
40	0.00	0.00
41	0.00	0.00
42	0.00	0.00
43	0.00	0.00
44	0.00	0.00
45	0.00	0.00
46	0.00	0.00
47	0.00	0.00
48	0.00	0.00
49	0.00	0.00
50	0.00	0.00
51	0.00	0.00
52	0.00	0.00
53	0.00	0.00
54	0.00	0.00
55	0.00	0.00
56	0.00	0.00
57	0.00	0.00
58	0.00	0.00
59	0.00	0.00
60	0.00	0.00
61	0.00	0.00
62	0.00	0.00
63	0.00	0.00
64	0.00	0.00
65	0.00	0.00
66	0.00	0.00
67	0.00	0.00
68	0.00	0.00
69	0.00	0.00
70	0.00	0.00
71	0.00	0.00
72	0.00	0.00
73	0.00	0.00
74	0.00	0.00
75	0.00	0.00
76	0.00	0.00
77	0.00	0.00
78	0.00	0.00
79	0.00	0.00
80	0.00	0.00
81	0.00	0.00
82	0.00	0.00
83	0.00	0.00
84	0.00	0.00
85	0.00	0.00
86	0.00	0.00
87	0.00	0.00
88	0.00	0.00
89	0.00	0.00
90	0.00	0.00
91	0.00	0.00
92	0.00	0.00
93	0.00	0.00
94	0.00	0.00
95	0.00	0.00
96	0.00	0.00
97	0.00	0.00
98	0.00	0.00
99	0.00	0.00
100	0.00	0.00

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

SW8270C

2-Nitrophenol	mg/kg
3,3'-Dichlorobenzidine	mg/kg
3-Nitroaniline	mg/kg
4,6-Dinitro-2-methylphenol	mg/kg
4-Bromophenyl phenyl ether	mg/kg
4-Chloro-3-methylphenol	mg/kg
4-Chloroaniline	mg/kg
4-Chlorophenyl phenyl ether	mg/kg
4-Methylphenol	mg/kg
4-Nitroaniline	mg/kg
4-Nitrophenol	mg/kg
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Bis(2-Chloroethoxy)methane	mg/kg
Bis(2-Chloroethyl)ether	mg/kg
Bis(2-Chloroisopropyl)ether	mg/kg
Bis(2-Ethylhexyl)phthalate	mg/kg
Butyl benzyl phthalate	mg/kg
Carbazole	mg/kg
Chrysene	mg/kg
Di-n-butyl phthalate	mg/kg
Di-n-octyl phthalate	mg/kg
Dibenz(a,h)anthracene	mg/kg
Dibenzofuran	mg/kg
Diethyl phthalate	mg/kg

[illegible]

Report Date: 03/26/03

<i>Location Code:</i>	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19	IMP-IASPOW-GP20
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0037	QG0039	QG0041	QG0043
<i>Sample Date:</i>	02-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

Lab Method

Units

<u>Result</u>	<u>Qual</u>	<u>VQual</u>

SW8270C

2-Nitrophenol	mg/kg
3,3'-Dichlorobenzidine	mg/kg
3-Nitroaniline	mg/kg
4,6-Dinitro-2-methylphenol	mg/kg
4-Bromophenyl phenyl ether	mg/kg
4-Chloro-3-methylphenol	mg/kg
4-Chloroaniline	mg/kg
4-Chlorophenyl phenyl ether	mg/kg
4-Methylphenol	mg/kg
4-Nitroaniline	mg/kg
4-Nitrophenol	mg/kg
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Bis(2-Chloroethoxy)methane	mg/kg
Bis(2-Chloroethyl)ether	mg/kg
Bis(2-Chloroisopropyl)ether	mg/kg
Bis(2-Ethylhexyl)phthalate	mg/kg
Butyl benzyl phthalate	mg/kg
Carbazole	mg/kg
Chrysene	mg/kg
Di-n-butyl phthalate	mg/kg
Di-n-octyl phthalate	mg/kg
Dibenz(a,h)anthracene	mg/kg
Dibenzofuran	mg/kg
Diethyl phthalate	mg/kg

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES							
SW8270C							
2-Nitrophenol	mg/kg				.39	U	U
3,3'-Dichlorobenzidine	mg/kg				.74	U	U
3-Nitroaniline	mg/kg				.74	U	U
4,6-Dinitro-2-methylphenol	mg/kg				.74	U	U
4-Bromophenyl phenyl ether	mg/kg				.39	U	U
4-Chloro-3-methylphenol	mg/kg				.39	U	U
4-Chloroaniline	mg/kg				.39	U	U
4-Chlorophenyl phenyl ether	mg/kg				.39	U	U
4-Methylphenol	mg/kg				.39	U	U
4-Nitroaniline	mg/kg				.39	U	U
4-Nitrophenol	mg/kg				.74	U	U
Acenaphthene	mg/kg				.39	U	U
Acenaphthylene	mg/kg				.39	U	U
Anthracene	mg/kg				.39	U	U
Benzo(a)anthracene	mg/kg				.39	U	U
Benzo(a)pyrene	mg/kg				.39	U	U
Benzo(b)fluoranthene	mg/kg				.39	U	U
Benzo(ghi)perylene	mg/kg				.39	U	UJ
Benzo(k)fluoranthene	mg/kg				.39	U	U
Bis(2-Chloroethoxy)methane	mg/kg				.39	U	U
Bis(2-Chloroethyl)ether	mg/kg				.39	U	U
Bis(2-Chloroisopropyl)ether	mg/kg				.39	U	U
Bis(2-Ethylhexyl)phthalate	mg/kg				.39	U	U
Butyl benzyl phthalate	mg/kg				.39	U	U
Carbazole	mg/kg				.39	U	U
Chrysene	mg/kg				.39	U	U
Di-n-butyl phthalate	mg/kg				.39	U	U
Di-n-octyl phthalate	mg/kg				.39	U	U
Dibenz(a,h)anthracene	mg/kg				.39	U	UJ
Dibenzofuran	mg/kg				.39	U	U
Diethyl phthalate	mg/kg				.39	U	U

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>													
<i>Lab Method</i>													
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
SEMIVOLATILES													
SW8270C													
Dimethyl phthalate	mg/kg										.38	U	U
Fluoranthene	mg/kg										.38	U	U
Fluorene	mg/kg										.38	U	U
Hexachlorobenzene	mg/kg										.38	U	U
Hexachlorobutadiene	mg/kg										.38	U	U
Hexachlorocyclopentadiene	mg/kg										.38	U	U
Hexachloroethane	mg/kg										.38	U	U
Indeno(1,2,3-cd)pyrene	mg/kg										.38	U	UJ
Isophorone	mg/kg										.38	U	U
N-Nitroso-di-n-propylamine	mg/kg										.38	U	U
N-Nitrosodiphenylamine	mg/kg										.38	U	U
Naphthalene	mg/kg										.38	U	U
Nitrobenzene	mg/kg										.38	U	U
Pentachlorophenol	mg/kg										.73	U	U
Phenanthrene	mg/kg										.38	U	U
Phenol	mg/kg										.38	U	U
Pyrene	mg/kg										.38	U	U
VOLATILES													
SW8260B													
1,1,1,2-Tetrachloroethane	mg/kg										.0044	U	U
1,1,1-Trichloroethane	mg/kg										.0044	U	U
1,1,2,2-Tetrachloroethane	mg/kg										.0044	U	U
1,1,2-Trichloroethane	mg/kg										.0044	U	U
1,1-Dichloroethane	mg/kg										.0044	U	U
1,1-Dichloroethene	mg/kg										.0044	U	U
1,1-Dichloropropene	mg/kg										.0044	U	U
1,2,3-Trichlorobenzene	mg/kg										.0044	U	U
1,2,3-Trichloropropane	mg/kg										.0044	U	U
1,2,4-Trichlorobenzene	mg/kg										.0044	U	U
1,2,4-Trimethylbenzene	mg/kg										.0044	U	U

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP05	IMP-IASPOW-GP06	IMP-IASPOW-GP07	IMP-IASPOW-GP08
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0010	QG0012	QG0014	QG0015
<i>Sample Date:</i>	23-JAN-02	24-JAN-02	23-JAN-02	23-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>				
<u><i>Lab Method</i></u>				
<u><i>Parameter</i></u>	<u><i>Units</i></u>	<u><i>Result Qual VQual</i></u>	<u><i>Result Qual VQual</i></u>	<u><i>Result Qual VQual</i></u>

SEMIVOLATILES

SW8270C

Dimethyl phthalate	mg/kg
Fluoranthene	mg/kg
Fluorene	mg/kg
Hexachlorobenzene	mg/kg
Hexachlorobutadiene	mg/kg
Hexachlorocyclopentadiene	mg/kg
Hexachloroethane	mg/kg
Indeno(1,2,3-cd)pyrene	mg/kg
Isophorone	mg/kg
N-Nitroso-di-n-propylamine	mg/kg
N-Nitrosodiphenylamine	mg/kg
Naphthalene	mg/kg
Nitrobenzene	mg/kg
Pentachlorophenol	mg/kg
Phenanthrene	mg/kg
Phenol	mg/kg
Pyrene	mg/kg

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	mg/kg
1,1,1-Trichloroethane	mg/kg
1,1,2,2-Tetrachloroethane	mg/kg
1,1,2-Trichloroethane	mg/kg
1,1-Dichloroethane	mg/kg
1,1-Dichloroethene	mg/kg
1,1-Dichloropropene	mg/kg
1,2,3-Trichlorobenzene	mg/kg
1,2,3-Trichloropropane	mg/kg
1,2,4-Trichlorobenzene	mg/kg
1,2,4-Trimethylbenzene	mg/kg

Summary of Validated Surface Soil Analytical Data
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<i>Location Code:</i>	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0016	QG0022	QG0024	QG0026
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
Dimethyl phthalate	mg/kg												
Fluoranthene	mg/kg												
Fluorene	mg/kg												
Hexachlorobenzene	mg/kg												
Hexachlorobutadiene	mg/kg												
Hexachlorocyclopentadiene	mg/kg												
Hexachloroethane	mg/kg												
Indeno(1,2,3-cd)pyrene	mg/kg												
Isophorone	mg/kg												
N-Nitroso-di-n-propylamine	mg/kg												
N-Nitrosodiphenylamine	mg/kg												
Naphthalene	mg/kg												
Nitrobenzene	mg/kg												
Pentachlorophenol	mg/kg												
Phenanthrene	mg/kg												
Phenol	mg/kg												
Pyrene	mg/kg												

VOLATILES

SW8260B	
1,1,1,2-Tetrachloroethane	mg/kg
1,1,1-Trichloroethane	mg/kg
1,1,2,2-Tetrachloroethane	mg/kg
1,1,2-Trichloroethane	mg/kg
1,1-Dichloroethane	mg/kg
1,1-Dichloroethene	mg/kg
1,1-Dichloropropene	mg/kg
1,2,3-Trichlorobenzene	mg/kg
1,2,3-Trichloropropane	mg/kg
1,2,4-Trichlorobenzene	mg/kg
1,2,4-Trimethylbenzene	mg/kg

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>				
<i>Lab Method</i>				

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

SEMIVOLATILES

SW8270C

Dimethyl phthalate	mg/kg	.4	U	U						
Fluoranthene	mg/kg	.4	U	U						
Fluorene	mg/kg	.4	U	U						
Hexachlorobenzene	mg/kg	.4	U	U						
Hexachlorobutadiene	mg/kg	.4	U	U						
Hexachlorocyclopentadiene	mg/kg	.4	U	U						
Hexachloroethane	mg/kg	.4	U	U						
Indeno(1,2,3-cd)pyrene	mg/kg	.4	U	U						
Isophorone	mg/kg	.4	U	U						
N-Nitroso-di-n-propylamine	mg/kg	.4	U	U						
N-Nitrosodiphenylamine	mg/kg	.4	U	U						
Naphthalene	mg/kg	.4	U	U						
Nitrobenzene	mg/kg	.4	U	U						
Pentachlorophenol	mg/kg	.76	U	U						
Phenanthrene	mg/kg	.4	U	U						
Phenol	mg/kg	.4	U	U						
Pyrene	mg/kg	.4	U	U						

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	mg/kg	.0054	U	U			
1,1,1-Trichloroethane	mg/kg	.0054	U	U			
1,1,2,2-Tetrachloroethane	mg/kg	.0054	U	U			
1,1,2-Trichloroethane	mg/kg	.0054	U	U			
1,1-Dichloroethane	mg/kg	.0054	U	U			
1,1-Dichloroethene	mg/kg	.0054	U	U			
1,1-Dichloropropene	mg/kg	.0054	U	U			
1,2,3-Trichlorobenzene	mg/kg	.0054	U	U			
1,2,3-Trichloropropane	mg/kg	.0054	U	U			
1,2,4-Trichlorobenzene	mg/kg	.0054	U	U			
1,2,4-Trimethylbenzene	mg/kg	.0054	U	U			

Summary of Validated Surface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19	IMP-IASPOW-GP20
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0037	QG0039	QG0041	QG0043
<i>Sample Date:</i>	02-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

SEMIVOLATILES

SW8270C

Dimethyl phthalate	mg/kg
Fluoranthene	mg/kg
Fluorene	mg/kg
Hexachlorobenzene	mg/kg
Hexachlorobutadiene	mg/kg
Hexachlorocyclopentadiene	mg/kg
Hexachloroethane	mg/kg
Indeno(1,2,3-cd)pyrene	mg/kg
Isophorone	mg/kg
N-Nitroso-di-n-propylamine	mg/kg
N-Nitrosodiphenylamine	mg/kg
Naphthalene	mg/kg
Nitrobenzene	mg/kg
Pentachlorophenol	mg/kg
Phenanthrene	mg/kg
Phenol	mg/kg
Pyrene	mg/kg

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	mg/kg
1,1,1-Trichloroethane	mg/kg
1,1,2,2-Tetrachloroethane	mg/kg
1,1,2-Trichloroethane	mg/kg
1,1-Dichloroethane	mg/kg
1,1-Dichloroethene	mg/kg
1,1-Dichloropropene	mg/kg
1,2,3-Trichlorobenzene	mg/kg
1,2,3-Trichloropropane	mg/kg
1,2,4-Trichlorobenzene	mg/kg
1,2,4-Trimethylbenzene	mg/kg

Summary of Validated Surface Soil Analytical Data
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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES							
SW8270C							
Dimethyl phthalate	mg/kg				.39	U	U
Fluoranthene	mg/kg				.39	U	U
Fluorene	mg/kg				.39	U	U
Hexachlorobenzene	mg/kg				.39	U	U
Hexachlorobutadiene	mg/kg				.39	U	U
Hexachlorocyclopentadiene	mg/kg				.39	U	U
Hexachloroethane	mg/kg				.39	U	U
Indeno(1,2,3-cd)pyrene	mg/kg				.39	U	UJ
Isophorone	mg/kg				.39	U	U
N-Nitroso-di-n-propylamine	mg/kg				.39	U	U
N-Nitrosodiphenylamine	mg/kg				.39	U	U
Naphthalene	mg/kg				.39	U	U
Nitrobenzene	mg/kg				.39	U	U
Pentachlorophenol	mg/kg				.74	U	U
Phenanthrene	mg/kg				.39	U	U
Phenol	mg/kg				.39	U	U
Pyrene	mg/kg				.39	U	U

VOLATILES

SW8260B							
1,1,1,2-Tetrachloroethane	mg/kg				.005	U	U
1,1,1-Trichloroethane	mg/kg				.005	U	U
1,1,2,2-Tetrachloroethane	mg/kg				.005	U	U
1,1,2-Trichloroethane	mg/kg				.005	U	U
1,1-Dichloroethane	mg/kg				.005	U	U
1,1-Dichloroethene	mg/kg				.005	U	U
1,1-Dichloropropene	mg/kg				.005	U	U
1,2,3-Trichlorobenzene	mg/kg				.005	U	U
1,2,3-Trichloropropane	mg/kg				.005	U	U
1,2,4-Trichlorobenzene	mg/kg				.005	U	U
1,2,4-Trimethylbenzene	mg/kg				.005	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES													
SW8260B													
1,2-Dibromo-3-Chloropropane	mg/kg							.0089	U	U			
1,2-Dibromoethane	mg/kg							.0044	U	U			
1,2-Dichlorobenzene	mg/kg							.0044	U	U			
1,2-Dichloroethane	mg/kg							.0044	U	U			
1,2-Dichloropropane	mg/kg							.0044	U	U			
1,2-Dimethylbenzene	mg/kg							.0044	U	U			
1,3,5-Trimethylbenzene	mg/kg							.0044	U	U			
1,3-Dichlorobenzene	mg/kg							.0044	U	U			
1,3-Dichloropropane	mg/kg							.0044	U	U			
1,4-Dichlorobenzene	mg/kg							.0044	U	U			
2-Butanone	mg/kg							.018	U	U			
2-Hexanone	mg/kg							.018	U	U			
4-Methyl-2-pentanone	mg/kg							.018	U	U			
Acetone	mg/kg							.18		J			
Benzene	mg/kg							.0044	U	U			
Bromobenzene	mg/kg							.0044	U	U			
Bromochloromethane	mg/kg							.0044	U	U			
Bromodichloromethane	mg/kg							.0044	U	U			
Bromoform	mg/kg							.0044	U	U			
Bromomethane	mg/kg							.0044	U	R			
Carbon disulfide	mg/kg							.0044	U	U			
Carbon tetrachloride	mg/kg							.0044	U	U			
Chlorobenzene	mg/kg							.0044	U	U			
Chloroethane	mg/kg							.0089	U	U			
Chloroform	mg/kg							.0044	U	U			
Chloromethane	mg/kg							.0044	U	U			
Cis-1,2-Dichloroethene	mg/kg							.0044	U	U			
Cis-1,3-Dichloropropene	mg/kg							.0044	U	U			
Cumene	mg/kg							.0044	U	U			
Dibromochloromethane	mg/kg							.0044	U	U			
Dibromomethane	mg/kg							.0044	U	U			

Report Date: 03/26/03

<i>Location Code:</i>	IMP-IASPOW-GP05	IMP-IASPOW-GP06	IMP-IASPOW-GP07	IMP-IASPOW-GP08
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0010	QG0012	QG0014	QG0015
<i>Sample Date:</i>	23-JAN-02	24-JAN-02	23-JAN-02	23-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

[illegible]

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<i>Location Code:</i>	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0016	QG0022	QG0024	QG0026
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

Lab Method

<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>

SW8260B

1,2-Dibromo-3-Chloropropane	mg/kg
1,2-Dibromoethane	mg/kg
1,2-Dichlorobenzene	mg/kg
1,2-Dichloroethane	mg/kg
1,2-Dichloropropane	mg/kg
1,2-Dimethylbenzene	mg/kg
1,3,5-Trimethylbenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,3-Dichloropropane	mg/kg
1,4-Dichlorobenzene	mg/kg
2-Butanone	mg/kg
2-Hexanone	mg/kg
4-Methyl-2-pentanone	mg/kg
Acetone	mg/kg
Benzene	mg/kg
Bromobenzene	mg/kg
Bromochloromethane	mg/kg
Bromodichloromethane	mg/kg
Bromoform	mg/kg
Bromomethane	mg/kg
Carbon disulfide	mg/kg
Carbon tetrachloride	mg/kg
Chlorobenzene	mg/kg
Chloroethane	mg/kg
Chloroform	mg/kg
Chloromethane	mg/kg
Cis-1,2-Dichloroethene	mg/kg
Cis-1,3-Dichloropropene	mg/kg
Cumene	mg/kg
Dibromochloromethane	mg/kg
Dibromomethane	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>													
<i>Lab Method</i>													
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
VOLATILES													
SW8260B													
1,2-Dibromo-3-Chloropropane	mg/kg				.011	U	U						
1,2-Dibromoethane	mg/kg				.0054	U	U						
1,2-Dichlorobenzene	mg/kg				.0054	U	U						
1,2-Dichloroethane	mg/kg				.0054	U	U						
1,2-Dichloropropane	mg/kg				.0054	U	U						
1,2-Dimethylbenzene	mg/kg				.0054	U	U						
1,3,5-Trimethylbenzene	mg/kg				.0054	U	U						
1,3-Dichlorobenzene	mg/kg				.0054	U	U						
1,3-Dichloropropane	mg/kg				.0054	U	U						
1,4-Dichlorobenzene	mg/kg				.0054	U	U						
2-Butanone	mg/kg				.018	J	J						
2-Hexanone	mg/kg				.021	U	U						
4-Methyl-2-pentanone	mg/kg				.021	U	U						
Acetone	mg/kg				.33								
Benzene	mg/kg				.0054	U	U						
Bromobenzene	mg/kg				.0054	U	U						
Bromochloromethane	mg/kg				.0054	U	U						
Bromodichloromethane	mg/kg				.0054	U	U						
Bromoform	mg/kg				.0054	U	U						
Bromomethane	mg/kg				.0054	U	UJ						
Carbon disulfide	mg/kg				.0054	U	UJ						
Carbon tetrachloride	mg/kg				.0054	U	U						
Chlorobenzene	mg/kg				.0054	U	U						
Chloroethane	mg/kg				.011	U	U						
Chloroform	mg/kg				.0054	U	U						
Chloromethane	mg/kg				.0054	U	UJ						
Cis-1,2-Dichloroethene	mg/kg				.0054	U	U						
Cis-1,3-Dichloropropene	mg/kg				.0054	U	U						
Cumene	mg/kg				.0054	U	U						
Dibromochloromethane	mg/kg				.0054	U	U						
Dibromomethane	mg/kg				.0054	U	U						

Report Date: 03/26/03

<i>Location Code:</i>	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19	IMP-IASPOW-GP20
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0037	QG0039	QG0041	QG0043
<i>Sample Date:</i>	02-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

Lab Method

Parameter

Units

Result	Qual	VQual

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

SW8260B

1,2-Dibromo-3-Chloropropane	mg/kg
1,2-Dibromoethane	mg/kg
1,2-Dichlorobenzene	mg/kg
1,2-Dichloroethane	mg/kg
1,2-Dichloropropane	mg/kg
1,2-Dimethylbenzene	mg/kg
1,3,5-Trimethylbenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,3-Dichloropropane	mg/kg
1,4-Dichlorobenzene	mg/kg
2-Butanone	mg/kg
2-Hexanone	mg/kg
4-Methyl-2-pentanone	mg/kg
Acetone	mg/kg
Benzene	mg/kg
Bromobenzene	mg/kg
Bromochloromethane	mg/kg
Bromodichloromethane	mg/kg
Bromoform	mg/kg
Bromomethane	mg/kg
Carbon disulfide	mg/kg
Carbon tetrachloride	mg/kg
Chlorobenzene	mg/kg
Chloroethane	mg/kg
Chloroform	mg/kg
Chloromethane	mg/kg
Cis-1,2-Dichloroethene	mg/kg
Cis-1,3-Dichloropropene	mg/kg
Cumene	mg/kg
Dibromochloromethane	mg/kg
Dibromomethane	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES							
SW8260B							
1,2-Dibromo-3-Chloropropane	mg/kg				.01	U	U
1,2-Dibromoethane	mg/kg				.005	U	U
1,2-Dichlorobenzene	mg/kg				.005	U	U
1,2-Dichloroethane	mg/kg				.005	U	U
1,2-Dichloropropane	mg/kg				.005	U	U
1,2-Dimethylbenzene	mg/kg				.005	U	U
1,3,5-Trimethylbenzene	mg/kg				.005	U	U
1,3-Dichlorobenzene	mg/kg				.005	U	U
1,3-Dichloropropane	mg/kg				.005	U	U
1,4-Dichlorobenzene	mg/kg				.005	U	U
2-Butanone	mg/kg				.02	U	U
2-Hexanone	mg/kg				.02	U	U
4-Methyl-2-pentanone	mg/kg				.02	U	U
Acetone	mg/kg				.14		J
Benzene	mg/kg				.005	U	U
Bromobenzene	mg/kg				.005	U	U
Bromochloromethane	mg/kg				.005	U	U
Bromodichloromethane	mg/kg				.005	U	U
Bromoform	mg/kg				.005	U	U
Bromomethane	mg/kg				.005	U	R
Carbon disulfide	mg/kg				.005	U	U
Carbon tetrachloride	mg/kg				.005	U	U
Chlorobenzene	mg/kg				.005	U	U
Chloroethane	mg/kg				.01	U	U
Chloroform	mg/kg				.005	U	U
Chloromethane	mg/kg				.005	U	U
Cis-1,2-Dichloroethene	mg/kg				.005	U	U
Cis-1,3-Dichloropropene	mg/kg				.005	U	U
Cumene	mg/kg				.005	U	U
Dibromochloromethane	mg/kg				.005	U	U
Dibromomethane	mg/kg				.005	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP04
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0001	QG0003	QG0005	QG0007
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES													
SW8260B													
Dichlorodifluoromethane	mg/kg										.0089	U	U
Ethylbenzene	mg/kg										.0044	U	U
Hexachlorobutadiene	mg/kg										.0044	U	U
Methylene chloride	mg/kg										.003	J	B
N-Butylbenzene	mg/kg										.0044	U	U
N-Propylbenzene	mg/kg										.0044	U	U
Naphthalene	mg/kg										.0089	U	U
Styrene	mg/kg										.0044	U	U
Tetrachloroethene	mg/kg										.0044	U	U
Toluene	mg/kg										.0044	U	U
Trans-1,2-Dichloroethene	mg/kg										.0044	U	U
Trans-1,3-Dichloropropene	mg/kg										.0044	U	U
Trichloroethene	mg/kg										.0044	U	U
Trichlorofluoromethane	mg/kg										.0044	U	U
Vinyl chloride	mg/kg										.0044	U	U
m,p-Xylenes	mg/kg										.0089	U	U
o-Chlorotoluene	mg/kg										.0044	U	U
p-Chlorotoluene	mg/kg										.0044	U	U
p-Cymene	mg/kg										.0044	U	U
sec-Butylbenzene	mg/kg										.0044	U	U
sec-Dichloropropane	mg/kg										.0044	U	U
tert-Butylbenzene	mg/kg										.0044	U	U

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User Test Group

Lab Method

<i>Location Code:</i>	IMP-IASPOW-GP05	IMP-IASPOW-GP06	IMP-IASPOW-GP07	IMP-IASPOW-GP08
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0010	QG0012	QG0014	QG0015
<i>Sample Date:</i>	23-JAN-02	24-JAN-02	23-JAN-02	23-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>

SW8260B

Dichlorodifluoromethane	mg/kg
Ethylbenzene	mg/kg
Hexachlorobutadiene	mg/kg
Methylene chloride	mg/kg
N-Butylbenzene	mg/kg
N-Propylbenzene	mg/kg
Naphthalene	mg/kg
Styrene	mg/kg
Tetrachloroethene	mg/kg
Toluene	mg/kg
Trans-1,2-Dichloroethene	mg/kg
Trans-1,3-Dichloropropene	mg/kg
Trichloroethene	mg/kg
Trichlorofluoromethane	mg/kg
Vinyl chloride	mg/kg
m,p-Xylenes	mg/kg
o-Chlorotoluene	mg/kg
p-Chlorotoluene	mg/kg
p-Cymene	mg/kg
sec-Butylbenzene	mg/kg
sec-Dichloropropane	mg/kg
tert-Butylbenzene	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP09	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0016	QG0022	QG0024	QG0026
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

Lab Method

<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>

SW8260B

Dichlorodifluoromethane	mg/kg
Ethylbenzene	mg/kg
Hexachlorobutadiene	mg/kg
Methylene chloride	mg/kg
N-Butylbenzene	mg/kg
N-Propylbenzene	mg/kg
Naphthalene	mg/kg
Styrene	mg/kg
Tetrachloroethene	mg/kg
Toluene	mg/kg
Trans-1,2-Dichloroethene	mg/kg
Trans-1,3-Dichloropropene	mg/kg
Trichloroethene	mg/kg
Trichlorofluoromethane	mg/kg
Vinyl chloride	mg/kg
m,p-Xylenes	mg/kg
o-Chlorotoluene	mg/kg
p-Chlorotoluene	mg/kg
p-Cymene	mg/kg
sec-Butylbenzene	mg/kg
sec-Dichloropropane	mg/kg
tert-Butylbenzene	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP15	IMP-IASPOW-GP16
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0028	QG0030	QG0033	QG0035
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	0 - 1	0 - 1	0 - 1	0 - 1

<i>User Test Group</i>													
<i>Lab Method</i>													
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
VOLATILES													
SW8260B													
Dichlorodifluoromethane	mg/kg				.011	U	UJ						
Ethylbenzene	mg/kg				.0054	U	U						
Hexachlorobutadiene	mg/kg				.0054	U	UJ						
Methylene chloride	mg/kg				.011	U	U						
N-Butylbenzene	mg/kg				.0054	U	U						
N-Propylbenzene	mg/kg				.0054	U	U						
Naphthalene	mg/kg				.011	U	U						
Styrene	mg/kg				.0054	U	U						
Tetrachloroethene	mg/kg				.0054	U	U						
Toluene	mg/kg				.0054	U	U						
Trans-1,2-Dichloroethene	mg/kg				.0054	U	U						
Trans-1,3-Dichloropropene	mg/kg				.0054	U	U						
Trichloroethene	mg/kg				.0054	U	U						
Trichlorofluoromethane	mg/kg				.0029	J	B						
Vinyl chloride	mg/kg				.0054	U	U						
m,p-Xylenes	mg/kg				.011	U	U						
o-Chlorotoluene	mg/kg				.0054	U	U						
p-Chlorotoluene	mg/kg				.0054	U	U						
p-Cymene	mg/kg				.0054	U	U						
sec-Butylbenzene	mg/kg				.0054	U	U						
sec-Dichloropropane	mg/kg				.0054	U	UJ						
tert-Butylbenzene	mg/kg				.0054	U	U						

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User Test Group

0 - 1

[illegible]

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0017	QG0019
<i>Sample Date:</i>	23-JAN-02	24-JAN-02
<i>Sample Depth:</i>	0 - 1	0 - 1

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES							
SW8260B							
Dichlorodifluoromethane	mg/kg				.01	U	U
Ethylbenzene	mg/kg				.005	U	U
Hexachlorobutadiene	mg/kg				.005	U	U
Methylene chloride	mg/kg				.0039	J	B
N-Butylbenzene	mg/kg				.005	U	U
N-Propylbenzene	mg/kg				.005	U	U
Naphthalene	mg/kg				.01	U	U
Styrene	mg/kg				.005	U	U
Tetrachloroethene	mg/kg				.0012	J	J
Toluene	mg/kg				.005	U	U
Trans-1,2-Dichloroethene	mg/kg				.005	U	U
Trans-1,3-Dichloropropene	mg/kg				.005	U	U
Trichloroethene	mg/kg				.0019	J	J
Trichlorofluoromethane	mg/kg				.002	J	J
Vinyl chloride	mg/kg				.005	U	U
m,p-Xylenes	mg/kg				.01	U	U
o-Chlorotoluene	mg/kg				.005	U	U
p-Chlorotoluene	mg/kg				.005	U	U
p-Cymene	mg/kg				.005	U	U
sec-Butylbenzene	mg/kg				.005	U	U
sec-Dichloropropane	mg/kg				.005	U	U
tert-Butylbenzene	mg/kg				.005	U	U

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<i>User Test Group</i>	<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP03
	<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
	<i>Sample No:</i>	QG0002	QG0004	QG0006	QG0045
	<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	29-OCT-02
	<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	4 - 6

CL HERBICIDE

SW8151A

CL PESTICIDES

SW8081A

4,4'-DDD	mg/kg
4,4'-DDE	mg/kg
4,4'-DDT	mg/kg
Aldrin	mg/kg
Dieldrin	mg/kg
Endosulfan I	mg/kg
Endosulfan II	mg/kg
Endosulfan sulfate	mg/kg
Endrin	mg/kg
Endrin aldehyde	mg/kg
Endrin ketone	mg/kg
Heptachlor	mg/kg
Heptachlor epoxide	mg/kg
Methoxychlor	mg/kg
Toxaphene	mg/kg
alpha-BHC	mg/kg
alpha-Chlordane	mg/kg
beta-BHC	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0046	QG0008	QG0009	QG0011
<i>Sample Date:</i>	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
<i>Sample Depth:</i>	4 - 6	3 - 4	3 - 4	3 - 4

<i>User Test Group</i>													
<i>Lab Method</i>													
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
CL HERBICIDE													
SW8151A													
2,2-Dichloropropanoic Acid	mg/kg				.025	U	UJ	.024	U	UJ			
2,4,5-T	mg/kg				.012	U	U	.012	U	U			
2,4,5-TP	mg/kg				.012	U	U	.012	U	U			
2,4-D	mg/kg				.012	U	U	.012	U	U			
2,4-DB	mg/kg				.025	U	U	.024	U	U			
Dicamba	mg/kg				.025	U	U	.024	U	U			
Dichloroprop	mg/kg				.012	U	U	.012	U	U			
Dinoseb	mg/kg				.012	U	U	.012	U	U			
MCPA	mg/kg				2.5	U	U	2.4	U	U			
MCPP	mg/kg				.74	JN	J	2.4	U	U			
CL PESTICIDES													
SW8081A													
4,4'-DDD	mg/kg				.0049	U	U	.0048	U	U			
4,4'-DDE	mg/kg				.0049	U	U	.0048	U	U			
4,4'-DDT	mg/kg				.0049	U	U	.0048	U	U			
Aldrin	mg/kg				.0025	U	U	.0024	U	U			
Dieldrin	mg/kg				.0049	U	U	.0048	U	U			
Endosulfan I	mg/kg				.0025	U	U	.0024	U	U			
Endosulfan II	mg/kg				.0049	U	UJ	.0048	U	UJ			
Endosulfan sulfate	mg/kg				.0049	U	U	.0048	U	U			
Endrin	mg/kg				.0049	U	U	.0048	U	U			
Endrin aldehyde	mg/kg				.0049	U	U	.0048	U	U			
Endrin ketone	mg/kg				.0049	U	U	.0048	U	U			
Heptachlor	mg/kg				.0025	U	U	.0024	U	U			
Heptachlor epoxide	mg/kg				.0025	U	U	.0024	U	U			
Methoxychlor	mg/kg				.025	U	U	.024	U	U			
Toxaphene	mg/kg				.049	U	U	.048	U	U			
alpha-BHC	mg/kg				.0025	U	U	.0024	U	U			
alpha-Chlordane	mg/kg				.0025	U	U	.0024	U	U			
beta-BHC	mg/kg				.0025	U	U	.0024	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

<i>User Test Group</i>					
<i>Lab Method</i>					

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

CL HERBICIDE

SW8151A

2,2-Dichloropropanoic Acid	mg/kg
2,4,5-T	mg/kg
2,4,5-TP	mg/kg
2,4-D	mg/kg
2,4-DB	mg/kg
Dicamba	mg/kg
Dichloroprop	mg/kg
Dinoseb	mg/kg
MCPA	mg/kg
MCPP	mg/kg

CL PESTICIDES

SW8081A

4,4'-DDD	mg/kg
4,4'-DDE	mg/kg
4,4'-DDT	mg/kg
Aldrin	mg/kg
Dieldrin	mg/kg
Endosulfan I	mg/kg
Endosulfan II	mg/kg
Endosulfan sulfate	mg/kg
Endrin	mg/kg
Endrin aldehyde	mg/kg
Endrin ketone	mg/kg
Heptachlor	mg/kg
Heptachlor epoxide	mg/kg
Methoxychlor	mg/kg
Toxaphene	mg/kg
alpha-BHC	mg/kg
alpha-Chlordane	mg/kg
beta-BHC	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP14	IMP-IASPOW-GP15
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0029	QG0031	QG0032	QG0034
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	3 - 4	2 - 4	2 - 4	2 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL HERBICIDE													
SW8151A													
2,2-Dichloropropanoic Acid	mg/kg				.024	U	U	.024	U	U			
2,4,5-T	mg/kg				.012	U	U	.012	U	U			
2,4,5-TP	mg/kg				.012	U	U	.012	U	U			
2,4-D	mg/kg				.012	U	U	.012	U	U			
2,4-DB	mg/kg				.024	U	U	.024	U	U			
Dicamba	mg/kg				.024	U	U	.024	U	U			
Dichloroprop	mg/kg				.012	U	U	.012	U	U			
Dinoseb	mg/kg				.012	U	UJ	.012	U	UJ			
MCPA	mg/kg				2.4	U	U	2.4	U	U			
MCPP	mg/kg				2.4	U	U	2.4	U	U			
CL PESTICIDES													
SW8081A													
4,4'-DDD	mg/kg				.0049	U	U	.0048	U	U			
4,4'-DDE	mg/kg				.0049	U	U	.0048	U	U			
4,4'-DDT	mg/kg				.0049	U	U	.0048	U	U			
Aldrin	mg/kg				.0024	U	U	.0024	U	U			
Dieldrin	mg/kg				.0049	U	U	.0048	U	U			
Endosulfan I	mg/kg				.0024	U	U	.0024	U	U			
Endosulfan II	mg/kg				.0049	U	U	.0048	U	U			
Endosulfan sulfate	mg/kg				.0049	U	U	.0048	U	U			
Endrin	mg/kg				.0049	U	U	.0048	U	U			
Endrin aldehyde	mg/kg				.0049	U	U	.0048	U	U			
Endrin ketone	mg/kg				.0049	U	U	.0048	U	U			
Heptachlor	mg/kg				.0024	U	U	.0024	U	U			
Heptachlor epoxide	mg/kg				.0024	U	U	.0024	U	U			
Methoxychlor	mg/kg				.024	U	U	.024	U	U			
Toxaphene	mg/kg				.049	U	U	.048	U	U			
alpha-BHC	mg/kg				.0024	U	U	.0024	U	U			
alpha-Chlordane	mg/kg				.0024	U	U	.0024	U	U			
beta-BHC	mg/kg				.0024	U	U	.0024	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
CL HERBICIDE													
SW8151A													
2,2-Dichloropropanoic Acid	mg/kg							.024	U	UJ	.024	U	UJ
2,4,5-T	mg/kg							.012	U	U	.012	U	U
2,4,5-TP	mg/kg							.012	U	U	.012	U	U
2,4-D	mg/kg							.012	U	U	.012	U	U
2,4-DB	mg/kg							.024	U	U	.024	U	U
Dicamba	mg/kg							.024	U	U	.024	U	U
Dichloroprop	mg/kg							.012	U	U	.012	U	U
Dinoseb	mg/kg							.012	U	U	.012	U	U
MCPA	mg/kg							2.4	U	U	2.4	U	U
MCPP	mg/kg							.6	JN	J	2.4	U	U
CL PESTICIDES													
SW8081A													
4,4'-DDD	mg/kg							.0048	U	U	.0048	U	U
4,4'-DDE	mg/kg							.0048	U	U	.0048	U	U
4,4'-DDT	mg/kg							.0048	U	U	.0048	U	U
Aldrin	mg/kg							.0024	U	U	.0024	U	U
Dieldrin	mg/kg							.0048	U	U	.0048	U	U
Endosulfan I	mg/kg							.0024	U	U	.0024	U	U
Endosulfan II	mg/kg							.0048	U	UJ	.0048	U	UJ
Endosulfan sulfate	mg/kg							.0048	U	U	.0048	U	U
Endrin	mg/kg							.0048	U	U	.0048	U	U
Endrin aldehyde	mg/kg							.0048	U	U	.0048	U	U
Endrin ketone	mg/kg							.0048	U	U	.0048	U	U
Heptachlor	mg/kg							.0024	U	U	.0024	U	U
Heptachlor epoxide	mg/kg							.0024	U	U	.0024	U	U
Methoxychlor	mg/kg							.024	U	U	.024	U	U
Toxaphene	mg/kg							.048	U	U	.048	U	U
alpha-BHC	mg/kg							.0024	U	U	.0024	U	U
alpha-Chlordane	mg/kg							.0024	U	U	.0024	U	U
beta-BHC	mg/kg							.0024	U	U	.0024	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP03
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0002	QG0004	QG0006	QG0045
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	29-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	4 - 6

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg												
gamma-BHC (Lindane)	mg/kg												
gamma-Chlordane	mg/kg												
METALS													
SW6010B													
Aluminum	mg/kg	15200			18800			19600			19800		
Antimony	mg/kg	11.3	U	UJ	11.7	U	UJ	1330	J		11.4	U	U
Arsenic	mg/kg	5.11			5.55			117			7.91		
Barium	mg/kg	26.3			87.6			68.4			42.6		
Beryllium	mg/kg	1.13	U	U	.561	J	J	.96	J	J	.737	J	J
Cadmium	mg/kg	1.13	U	U	1.17	U	U	1.18	U	U	1.14	U	U
Calcium	mg/kg	47.7	J	J	328			202			65.9	J	J
Chromium	mg/kg	10.7			10.9			16.6			25.4		
Cobalt	mg/kg	3.09			6.47			8.99			4.51		
Copper	mg/kg	7.64			81.4			38.4			10		
Iron	mg/kg	15000			15200			33100			32300		
Lead	mg/kg	10.6			429			22200			15.3		
Magnesium	mg/kg	449			681			733			606		
Manganese	mg/kg	169			1560			1300			190		
Nickel	mg/kg	7.27			10.3			13.1			10.4		
Potassium	mg/kg	489	J	J	659			801			1500		
Selenium	mg/kg	1.13	U	U	1.17	U	U	1.18	U	U	2.09		B
Silver	mg/kg	2.25	U	U	2.34	U	U	3.01			2.27	U	U
Sodium	mg/kg	56.9	J	J	64.7	J	J	64.4	J	J	21.5	J	J
Thallium	mg/kg	2.25	U	U	2.34	U	U	2.35	U	U	2.27	U	U
Vanadium	mg/kg	25.5			26.5			34.6			34.3		
Zinc	mg/kg	17.3			39.3			38.4			26.5		
SW7471A													
Mercury	mg/kg	.0538	J	J	.0377	J	J	.0426	J	J	.0481	J	J

Summary of Validated Subsurface Soil Analytical Data
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<i>Location Code:</i>	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0046	QG0008	QG0009	QG0011
<i>Sample Date:</i>	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
<i>Sample Depth:</i>	4 - 6	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg				.0025	U	U	.0024	U	U			
gamma-BHC (Lindane)	mg/kg				.0025	U	U	.0024	U	U			
gamma-Chlordane	mg/kg				.0025	U	U	.0024	U	U			
METALS													
SW6010B													
Aluminum	mg/kg	19600			23100			22000			30100		
Antimony	mg/kg	11.2	U	U	12.3	U	UJ	11.9	U	UJ	12.2	U	UJ
Arsenic	mg/kg	7.18			6.56			7.02			11		J
Barium	mg/kg	40.5			35.6			33.3			42.9		
Beryllium	mg/kg	.657	J	J	.433	J	J	.442	J	J	.688	J	J
Cadmium	mg/kg	1.12	U	U	1.23	U	U	1.19	U	U	1.22	U	U
Calcium	mg/kg	67.6	J	J	144			136			120	J	J
Chromium	mg/kg	31.2			15.5			19.2			19.7		
Cobalt	mg/kg	3.76			4.93			4.61			10.3		
Copper	mg/kg	10.3			11.8			11.2			19		
Iron	mg/kg	29200			23800			23400			35100		
Lead	mg/kg	14.6			17.1			15.4			29.9		
Magnesium	mg/kg	578			633			621			863		
Manganese	mg/kg	205			258			245			633		
Nickel	mg/kg	10.2			11.7			10.9			13.4		
Potassium	mg/kg	1310			603	J	J	614			810		
Selenium	mg/kg	1.07	J	B	1.23	U	U	1.19	U	U	.898	J	J
Silver	mg/kg	2.23	U	U	1.91	J	J	1.64	J	J	2.44	U	U
Sodium	mg/kg	112	U	U	68	J	J	63.7	J	J	43.9	J	J
Thallium	mg/kg	2.23	U	U	2.45	U	U	2.38	U	U	2.44	U	U
Vanadium	mg/kg	35.8			34.4			33.9			53.9		
Zinc	mg/kg	25.8			28.1			27.6			41.1		J
SW7471A													
Mercury	mg/kg	.0411	J	J	.0736	J	J	.0724	J	J	.109	J	J

Summary of Validated Subsurface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg												
gamma-BHC (Lindane)	mg/kg												
gamma-Chlordane	mg/kg												
METALS													
SW6010B													
Aluminum	mg/kg	31600			22300			19600			17500		
Antimony	mg/kg	12	U	UJ	11.8	U	UJ	11.8	U	UJ	11.7	U	UJ
Arsenic	mg/kg	12		J	5.99			4.1			3.59		
Barium	mg/kg	53.3			33.1			29.5			34.5		
Beryllium	mg/kg	.748	J	J	.413	J	J	1.18	U	U	1.17	U	U
Cadmium	mg/kg	1.2	U	U	1.18	U	U	1.18	U	U	1.17	U	U
Calcium	mg/kg	87.4	J	J	101	J	J	104	J	J	66.1	J	J
Chromium	mg/kg	18.8			22.7		J	13		J	17.5		J
Cobalt	mg/kg	18			4.49			3.65			1.98	J	B
Copper	mg/kg	18.6			8.81			8.12			11.9		
Iron	mg/kg	36100			22900			18400			20000		
Lead	mg/kg	41			18.7			16.4			29.5		
Magnesium	mg/kg	879			622			651			579		
Manganese	mg/kg	1180			346			298			121		
Nickel	mg/kg	15			10.1		J	8.2		J	6.41		J
Potassium	mg/kg	840			558	J	J	460	J	J	925		
Selenium	mg/kg	.836	J	J	1.46		B	1.59		B	1.09	J	B
Silver	mg/kg	2.41	U	U	2.37	U	U	2.36	U	U	2.35	U	U
Sodium	mg/kg	47.3	J	J	24.7	J	B	24	J	B	23.8	J	B
Thallium	mg/kg	2.41	U	U	2.37	U	U	2.36	U	U	2.35	U	U
Vanadium	mg/kg	59.7			33.4		J	29.1		J	30.6		J
Zinc	mg/kg	43.8		J	22.3			21.9			18.7		
SW7471A													
Mercury	mg/kg	.0811	J	J	.148			.0357	J	B	.117	U	U

Summary of Validated Subsurface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP14	IMP-IASPOW-GP15
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0029	QG0031	QG0032	QG0034
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	3 - 4	2 - 4	2 - 4	2 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

CL PESTICIDES

SW8081A

delta-BHC	mg/kg				.0024	U	U	.0024	U	U
gamma-BHC (Lindane)	mg/kg				.0024	U	U	.0024	U	U
gamma-Chlordane	mg/kg				.0024	U	U	.0024	U	U

METALS

SW6010B

Aluminum	mg/kg	15600			19500			23500			21200		
Antimony	mg/kg	11.6	U	UJ	5.39	J	J	12.1	U	UJ	12.3	U	UJ
Arsenic	mg/kg	4.26			11.8			10.6			9.69		
Barium	mg/kg	28.2			24.9			31.1			29.9		
Beryllium	mg/kg	1.16	U	U	.436	J	J	.504	J	J	.511	J	J
Cadmium	mg/kg	1.16	U	U	1.22	U	U	1.21	U	U	1.23	U	U
Calcium	mg/kg	80.5	J	J	59.3	J	J	78.8	J	J	115	J	J
Chromium	mg/kg	18		J	21.5			24.8			36.2		
Cobalt	mg/kg	2.28	J	B	7.86		J	17.5		J	10.6		
Copper	mg/kg	9.03			10.8			11.6			13.4		
Iron	mg/kg	21000			41000			40600			42400		
Lead	mg/kg	9.43			20.3		J	38		J	30.4		
Magnesium	mg/kg	521			413			545			465		
Manganese	mg/kg	87			306		J	896		J	583		J
Nickel	mg/kg	6.74		J	6.25			7.78			7.08		
Potassium	mg/kg	519	J	J	465	J	J	424	J	J	442	J	J
Selenium	mg/kg	1.07	J	B	2.05			2.39			2.07		
Silver	mg/kg	2.32	U	U	2.44	U	U	2.42	U	U	2.46	U	U
Sodium	mg/kg	116	U	U	122	U	U	26.5	J	B	25.4	J	B
Thallium	mg/kg	2.32	U	U	2.44	U	U	2.42	U	U	2.46	U	U
Vanadium	mg/kg	30.6		J	53.9			54.4			57.2		
Zinc	mg/kg	17.7			19.8		J	23.8		J	22.6		J

SW7471A

Mercury	mg/kg	.0456	J	B	.097	J	J	.156			.157		

Summary of Validated Subsurface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP16	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0036	QG0038	QG0040	QG0042
<i>Sample Date:</i>	01-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg												
gamma-BHC (Lindane)	mg/kg												
gamma-Chlordane	mg/kg												
METALS													
SW6010B													
Aluminum	mg/kg	16100			17800			22400			22600		
Antimony	mg/kg	12.2	U	UJ	9.79	U	UJ	11.9	U	UJ	11.9	U	UJ
Arsenic	mg/kg	8.92			4.76			8.23			6.04		
Barium	mg/kg	19.6			22			27.3			26.9		
Beryllium	mg/kg	1.22	U	U	.34	J	J	.525	J	J	.437	J	J
Cadmium	mg/kg	1.22	U	U	.979	U	U	1.19	U	U	1.19	U	U
Calcium	mg/kg	52.5	J	J	49.7	J	J	68.8	J	J	67.7	J	J
Chromium	mg/kg	22.9			14.4		J	71.8		J	18.1		J
Cobalt	mg/kg	3.03			2.37		B	4.3			2.65		B
Copper	mg/kg	11.6			9.78			11.9			10.7		
Iron	mg/kg	35600			24400			37300			28100		
Lead	mg/kg	14			12			19.3			16.9		
Magnesium	mg/kg	317			487			561			583		
Manganese	mg/kg	98.1		J	137			351			225		
Nickel	mg/kg	4.47			6.73		J	8.76		J	8.49		J
Potassium	mg/kg	436	J	J	455	J	J	526	J	J	540	J	J
Selenium	mg/kg	1.61			1.44		B	1.66		B	1.23		B
Silver	mg/kg	2.43	U	U	1.96	U	U	2.38	U	U	2.38	U	U
Sodium	mg/kg	122	U	U	97.9	U	U	119	U	U	25.4	J	B
Thallium	mg/kg	2.43	U	U	1.96	U	U	2.38	U	U	2.38	U	U
Vanadium	mg/kg	51.6			37		J	52.3		J	40.5		J
Zinc	mg/kg	20.5		J	20.9			24.5			25.4		
SW7471A													
Mercury	mg/kg	.0909	J	J	.0454	J	B	.0872	J	J	.0622	J	J

Summary of Validated Subsurface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
CL PESTICIDES													
SW8081A													
delta-BHC	mg/kg							.0024	U	U	.0024	U	U
gamma-BHC (Lindane)	mg/kg							.0024	U	U	.0024	U	U
gamma-Chlordane	mg/kg							.0024	U	U	.0024	U	U
METALS													
SW6010B													
Aluminum	mg/kg	30500			20000			14800		J	31300		J
Antimony	mg/kg	11.8	U	UJ	12	U	UJ	12	U	UJ	12	U	UJ
Arsenic	mg/kg	8.9			7.51		J	4.86		J	10.8		J
Barium	mg/kg	42.5			50.8			32.2		J	57.8		J
Beryllium	mg/kg	.676	J	J	.577	J	J	1.2	U	U	.733	J	J
Cadmium	mg/kg	1.18	U	U	1.2	U	U	1.2	U	U	1.2	U	U
Calcium	mg/kg	145			49.9	J	B	61.4	J	B	102	J	J
Chromium	mg/kg	44		J	22.6			9.56		J	18.6		J
Cobalt	mg/kg	9.41			2.71			6.81			10.6		
Copper	mg/kg	11.4			14.3			8.5		J	16.9		J
Iron	mg/kg	32500			28200			21700			31000		
Lead	mg/kg	30.5			10.1			24.3			35.6		
Magnesium	mg/kg	880			617			328		J	1040		J
Manganese	mg/kg	1610			67.7			787			1180		
Nickel	mg/kg	14.1		J	7.4			5.34		J	16.4		J
Potassium	mg/kg	726			1110			393	J	J	975		J
Selenium	mg/kg	1.66		J	.906	J	J	1.2	U	UJ	1.2	U	UJ
Silver	mg/kg	2.36	U	U	2.41	U	U	2.41	U	U	2.4	U	U
Sodium	mg/kg	36.2	J	B	36.1	J	J	34.6	J	J	47.1	J	J
Thallium	mg/kg	2.36	U	U	2.41	U	U	2.41	U	U	2.4	U	U
Vanadium	mg/kg	55.3		J	41.5			32.6			49		
Zinc	mg/kg	30.8			25.8		J	16		J	41.4		J
SW7471A													
Mercury	mg/kg	.0805	J	J	.12	U	U	.0654	J	J	.0629	J	J

Summary of Validated Subsurface Soil Analytical Data
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Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0046	QG0008	QG0009	QG0011
<i>Sample Date:</i>	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
<i>Sample Depth:</i>	4 - 6	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
NITROAROMATICS													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
1,3-Dinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,4,6-Trinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
2-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
3-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
HMX	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
Nitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
RDX	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
Tetryl	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U
p-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	.4	U	U

OP PESTICIDES

SW8141A

Azinphosmethyl	mg/kg	.04	U	U	.039	U	U
Bolstar	mg/kg	.04	U	U	.039	U	U
Chlorpyrifos	mg/kg	.082	U	U	.08	U	U
Coumaphos	mg/kg	.04	U	U	.039	U	U
Demeton	mg/kg	.04	U	U	.039	U	U
Diazinon	mg/kg	.04	U	U	.039	U	U
Dichlorvos	mg/kg	.082	U	U	.08	U	U
Dimethoate	mg/kg	.082	U	U	.08	U	U
Disulfoton	mg/kg	.04	U	U	.039	U	U
Ethoprop	mg/kg	.04	U	U	.039	U	U
Famphur	mg/kg	.082	U	UJ	.08	U	UJ
Fensulfothion	mg/kg	.082	U	U	.08	U	U
Fenthion	mg/kg	.04	U	U	.039	U	U
Malathion	mg/kg	.04	U	U	.039	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
NITROAROMATICS													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	.4	U	U									
1,3-Dinitrobenzene	mg/kg	.4	U	U									
2,4,6-Trinitrotoluene	mg/kg	.4	U	U									
2,4-Dinitrotoluene	mg/kg	.4	U	U									
2,6-Dinitrotoluene	mg/kg	.4	U	U									
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U									
2-Nitrotoluene	mg/kg	.4	U	U									
3-Nitrotoluene	mg/kg	.4	U	U									
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U									
HMX	mg/kg	.4	U	U									
Nitrobenzene	mg/kg	.4	U	U									
RDX	mg/kg	.4	U	U									
Tetryl	mg/kg	.4	U	U									
p-Nitrotoluene	mg/kg	.4	U	U									

OP PESTICIDES

SW8141A

Azinphosmethyl	mg/kg
Bolstar	mg/kg
Chlorpyrifos	mg/kg
Coumaphos	mg/kg
Demeton	mg/kg
Diazinon	mg/kg
Dichlorvos	mg/kg
Dimethoate	mg/kg
Disulfoton	mg/kg
Ethoprop	mg/kg
Famphur	mg/kg
Fensulfothion	mg/kg
Fenthion	mg/kg
Malathion	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP14	IMP-IASPOW-GP15
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0029	QG0031	QG0032	QG0034
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	3 - 4	2 - 4	2 - 4	2 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

NITROAROMATICS

SW8330

1,3,5-Trinitrobenzene	mg/kg	.4	U	U	.4	U	U
1,3-Dinitrobenzene	mg/kg	.4	U	U	.4	U	U
2,4,6-Trinitrotoluene	mg/kg	.4	U	U	.4	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2-Nitrotoluene	mg/kg	.4	U	U	.4	U	U
3-Nitrotoluene	mg/kg	.4	U	U	.4	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U
HMX	mg/kg	.4	U	U	.4	U	U
Nitrobenzene	mg/kg	.4	U	U	.4	U	U
RDX	mg/kg	.4	U	U	.4	U	U
Tetryl	mg/kg	.4	U	U	.4	U	U
p-Nitrotoluene	mg/kg	.4	U	U	.4	U	U

OP PESTICIDES

SW8141A

Azinphosmethyl	mg/kg	.04	U	U	.04	U	U
Bolstar	mg/kg	.04	U	U	.04	U	U
Chlorpyrifos	mg/kg	.082	U	U	.081	U	U
Coumaphos	mg/kg	.04	U	U	.04	U	U
Demeton	mg/kg	.04	U	U	.04	U	U
Diazinon	mg/kg	.04	U	U	.04	U	U
Dichlorvos	mg/kg	.082	U	R	.081	U	R
Dimethoate	mg/kg	.082	U	U	.081	U	U
Disulfoton	mg/kg	.04	U	U	.04	U	U
Ethoprop	mg/kg	.04	U	U	.04	U	U
Famphur	mg/kg	.082	U	U	.081	U	U
Fensulfothion	mg/kg	.082	U	U	.081	U	U
Fenthion	mg/kg	.04	U	U	.04	U	U
Malathion	mg/kg	.04	U	U	.04	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP16	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0036	QG0038	QG0040	QG0042
<i>Sample Date:</i>	01-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>

NITROAROMATICS

SW8330

1,3,5-Trinitrobenzene	mg/kg
1,3-Dinitrobenzene	mg/kg
2,4,6-Trinitrotoluene	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Amino-4,6-dinitrotoluene	mg/kg
2-Nitrotoluene	mg/kg
3-Nitrotoluene	mg/kg
4-Amino-2,6-dinitrotoluene	mg/kg
HMX	mg/kg
Nitrobenzene	mg/kg
RDX	mg/kg
Tetryl	mg/kg
p-Nitrotoluene	mg/kg

OP PESTICIDES

SW8141A

Azinphosmethyl	mg/kg
Bolstar	mg/kg
Chlorpyrifos	mg/kg
Coumaphos	mg/kg
Demeton	mg/kg
Diazinon	mg/kg
Dichlorvos	mg/kg
Dimethoate	mg/kg
Disulfoton	mg/kg
Ethoprop	mg/kg
Famphur	mg/kg
Fensulfothion	mg/kg
Fenthion	mg/kg
Malathion	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

<i>User Test Group</i>													
<i>Lab Method</i>													
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
NITROAROMATICS													
SW8330													
1,3,5-Trinitrobenzene	mg/kg				.4	U	U	.4	U	U	.4	U	U
1,3-Dinitrobenzene	mg/kg				.4	U	U	.4	U	U	.4	U	U
2,4,6-Trinitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
2,4-Dinitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
2-Amino-4,6-dinitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
2-Nitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
3-Nitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
4-Amino-2,6-dinitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
HMX	mg/kg				.4	U	U	.4	U	U	.4	U	U
Nitrobenzene	mg/kg				.4	U	U	.4	U	U	.4	U	U
RDX	mg/kg				.4	U	U	.4	U	U	.4	U	U
Tetryl	mg/kg				.4	U	U	.4	U	U	.4	U	U
p-Nitrotoluene	mg/kg				.4	U	U	.4	U	U	.4	U	U
OP PESTICIDES													
SW8141A													
Azinphosmethyl	mg/kg							.04	U	U	.04	U	U
Bolstar	mg/kg							.04	U	U	.04	U	U
Chlorpyrifos	mg/kg							.081	U	U	.08	U	U
Coumaphos	mg/kg							.04	U	U	.04	U	U
Demeton	mg/kg							.04	U	U	.04	U	U
Diazinon	mg/kg							.04	U	U	.04	U	U
Dichlorvos	mg/kg							.081	U	U	.08	U	U
Dimethoate	mg/kg							.081	U	U	.08	U	U
Disulfoton	mg/kg							.04	U	U	.04	U	U
Ethoprop	mg/kg							.04	U	U	.04	U	U
Famphur	mg/kg							.081	U	UJ	.08	U	UJ
Fensulfothion	mg/kg							.081	U	U	.08	U	U
Fenthion	mg/kg							.04	U	U	.04	U	U
Malathion	mg/kg							.04	U	U	.04	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP03
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0002	QG0004	QG0006	QG0045
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	29-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	4 - 6

<i>User Test Group</i>					
<i>Lab Method</i>					
<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>

OP PESTICIDES

SW8141A

Merphos	mg/kg
Methyl Parathion	mg/kg
Mevinphos	mg/kg
Naled	mg/kg
Parathion	mg/kg
Phorate	mg/kg
Ronnel	mg/kg
Stirophos	mg/kg
Sulfotep	mg/kg
Thionazin	mg/kg
Tokuthion	mg/kg
Trichloronate	mg/kg

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	mg/kg
1,2-Dichlorobenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,4-Dichlorobenzene	mg/kg
2,4,5-Trichlorophenol	mg/kg
2,4,6-Trichlorophenol	mg/kg
2,4-Dichlorophenol	mg/kg
2,4-Dimethylphenol	mg/kg
2,4-Dinitrophenol	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Chloronaphthalene	mg/kg
2-Chlorophenol	mg/kg
2-Methylnaphthalene	mg/kg
2-Methylphenol	mg/kg
2-Nitroaniline	mg/kg

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	Location Code:	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
	Associated Site:	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
	Sample No:	QG0046	QG0008	QG0009	QG0011
	Sample Date:	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
	Sample Depth:	4 - 6	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
OP PESTICIDES													
SW8141A													
Merphos	mg/kg				.04	U	U	.039	U	U			
Methyl Parathion	mg/kg				.04	U	U	.039	U	U			
Mevinphos	mg/kg				.04	U	U	.039	U	U			
Naled	mg/kg				.04	U	UJ	.039	U	UJ			
Parathion	mg/kg				.04	U	U	.039	U	U			
Phorate	mg/kg				.04	U	U	.039	U	U			
Ronnel	mg/kg				.04	U	U	.039	U	U			
Stirophos	mg/kg				.04	U	U	.039	U	U			
Sulfotep	mg/kg				.04	U	U	.039	U	U			
Thionazin	mg/kg				.04	U	U	.039	U	U			
Tokuthion	mg/kg				.04	U	U	.039	U	U			
Trichloronate	mg/kg				.04	U	U	.039	U	U			
SEMIVOLATILES													
SW8270C													
1,2,4-Trichlorobenzene	mg/kg				.4	U	U	.39	U	U			
1,2-Dichlorobenzene	mg/kg				.4	U	U	.39	U	U			
1,3-Dichlorobenzene	mg/kg				.4	U	U	.39	U	U			
1,4-Dichlorobenzene	mg/kg				.4	U	U	.39	U	U			
2,4,5-Trichlorophenol	mg/kg				.4	U	U	.39	U	U			
2,4,6-Trichlorophenol	mg/kg				.77	U	U	.75	U	U			
2,4-Dichlorophenol	mg/kg				.4	U	U	.39	U	U			
2,4-Dimethylphenol	mg/kg				.4	U	U	.39	U	U			
2,4-Dinitrophenol	mg/kg				.77	U	UJ	.75	U	UJ			
2,4-Dinitrotoluene	mg/kg				.4	U	U	.39	U	U			
2,6-Dinitrotoluene	mg/kg				.4	U	U	.39	U	U			
2-Chloronaphthalene	mg/kg				.4	U	U	.39	U	U			
2-Chlorophenol	mg/kg				.4	U	U	.39	U	U			
2-Methylnaphthalene	mg/kg				.4	U	U	.39	U	U			
2-Methylphenol	mg/kg				.4	U	U	.39	U	U			
2-Nitroaniline	mg/kg				.77	U	U	.75	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

<i>User Test Group</i>				
<i>Lab Method</i>				

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>

OP PESTICIDES

SW8141A

Merphos	mg/kg
Methyl Parathion	mg/kg
Mevinphos	mg/kg
Naled	mg/kg
Parathion	mg/kg
Phorate	mg/kg
Ronnel	mg/kg
Stirophos	mg/kg
Sulfotep	mg/kg
Thionazin	mg/kg
Tokuthion	mg/kg
Trichloronate	mg/kg

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	mg/kg
1,2-Dichlorobenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,4-Dichlorobenzene	mg/kg
2,4,5-Trichlorophenol	mg/kg
2,4,6-Trichlorophenol	mg/kg
2,4-Dichlorophenol	mg/kg
2,4-Dimethylphenol	mg/kg
2,4-Dinitrophenol	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Chloronaphthalene	mg/kg
2-Chlorophenol	mg/kg
2-Methylnaphthalene	mg/kg
2-Methylphenol	mg/kg
2-Nitroaniline	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP14	IMP-IASPOW-GP15
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0029	QG0031	QG0032	QG0034
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	3 - 4	2 - 4	2 - 4	2 - 4

<i>User Test Group</i>													
<i>Lab Method</i>													
<i>Parameter</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
OP PESTICIDES													
SW8141A													
Merphos	mg/kg				.04	U	U	.04	U	U			
Methyl Parathion	mg/kg				.04	U	U	.04	U	U			
Mevinphos	mg/kg				.04	U	U	.04	U	U			
Naled	mg/kg				.04	U	R	.04	U	R			
Parathion	mg/kg				.04	U	U	.04	U	U			
Phorate	mg/kg				.04	U	U	.04	U	U			
Ronnel	mg/kg				.04	U	U	.04	U	U			
Stirophos	mg/kg				.04	U	U	.04	U	U			
Sulfotep	mg/kg				.04	U	U	.04	U	U			
Thionazin	mg/kg				.04	U	U	.04	U	U			
Tokuthion	mg/kg				.04	U	U	.04	U	U			
Trichloronate	mg/kg				.04	U	U	.04	U	U			
SEMIVOLATILES													
SW8270C													
1,2,4-Trichlorobenzene	mg/kg				.4	U	U	.4	U	U			
1,2-Dichlorobenzene	mg/kg				.4	U	U	.4	U	U			
1,3-Dichlorobenzene	mg/kg				.4	U	U	.4	U	U			
1,4-Dichlorobenzene	mg/kg				.4	U	U	.4	U	U			
2,4,5-Trichlorophenol	mg/kg				.4	U	U	.4	U	U			
2,4,6-Trichlorophenol	mg/kg				.77	U	U	.76	U	U			
2,4-Dichlorophenol	mg/kg				.4	U	U	.4	U	U			
2,4-Dimethylphenol	mg/kg				.4	U	U	.4	U	U			
2,4-Dinitrophenol	mg/kg				.77	U	U	.76	U	U			
2,4-Dinitrotoluene	mg/kg				.4	U	U	.4	U	U			
2,6-Dinitrotoluene	mg/kg				.4	U	U	.4	U	U			
2-Chloronaphthalene	mg/kg				.4	U	U	.4	U	U			
2-Chlorophenol	mg/kg				.4	U	U	.4	U	U			
2-Methylnaphthalene	mg/kg				.4	U	U	.4	U	U			
2-Methylphenol	mg/kg				.4	U	U	.4	U	U			
2-Nitroaniline	mg/kg				.77	U	U	.76	U	U			

Summary of Validated Subsurface Soil Analytical Data
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Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP16	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0036	QG0038	QG0040	QG0042
<i>Sample Date:</i>	01-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u><i>Parameter</i></u>	<u><i>Units</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>

OP PESTICIDES

SW8141A

Merphos	mg/kg
Methyl Parathion	mg/kg
Mevinphos	mg/kg
Naled	mg/kg
Parathion	mg/kg
Phorate	mg/kg
Ronnel	mg/kg
Stirophos	mg/kg
Sulfotep	mg/kg
Thionazin	mg/kg
Tokuthion	mg/kg
Trichloronate	mg/kg

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	mg/kg
1,2-Dichlorobenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,4-Dichlorobenzene	mg/kg
2,4,5-Trichlorophenol	mg/kg
2,4,6-Trichlorophenol	mg/kg
2,4-Dichlorophenol	mg/kg
2,4-Dimethylphenol	mg/kg
2,4-Dinitrophenol	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Chloronaphthalene	mg/kg
2-Chlorophenol	mg/kg
2-Methylnaphthalene	mg/kg
2-Methylphenol	mg/kg
2-Nitroaniline	mg/kg

Summary of Validated Subsurface Soil Analytical Data
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Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
OP PESTICIDES													
SW8141A													
Merphos	mg/kg							.04	U	U	.04	U	U
Methyl Parathion	mg/kg							.04	U	U	.04	U	U
Mevinphos	mg/kg							.04	U	U	.04	U	U
Naled	mg/kg							.04	U	UJ	.04	U	UJ
Parathion	mg/kg							.04	U	U	.04	U	U
Phorate	mg/kg							.04	U	U	.04	U	U
Ronnel	mg/kg							.04	U	U	.04	U	U
Stirophos	mg/kg							.04	U	U	.04	U	U
Sulfotep	mg/kg							.04	U	U	.04	U	U
Thionazin	mg/kg							.04	U	U	.04	U	U
Tokuthion	mg/kg							.04	U	U	.04	U	U
Trichloronate	mg/kg							.04	U	U	.04	U	U
SEMIVOLATILES													
SW8270C													
1,2,4-Trichlorobenzene	mg/kg							.4	U	U	.4	U	U
1,2-Dichlorobenzene	mg/kg							.4	U	U	.4	U	U
1,3-Dichlorobenzene	mg/kg							.4	U	U	.4	U	U
1,4-Dichlorobenzene	mg/kg							.4	U	U	.4	U	U
2,4,5-Trichlorophenol	mg/kg							.4	U	U	.4	U	U
2,4,6-Trichlorophenol	mg/kg							.76	U	U	.76	U	U
2,4-Dichlorophenol	mg/kg							.4	U	U	.4	U	U
2,4-Dimethylphenol	mg/kg							.4	U	U	.4	U	U
2,4-Dinitrophenol	mg/kg							.76	U	U	.76	U	U
2,4-Dinitrotoluene	mg/kg							.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg							.4	U	U	.4	U	U
2-Chloronaphthalene	mg/kg							.4	U	U	.4	U	U
2-Chlorophenol	mg/kg							.4	U	U	.4	U	U
2-Methylnaphthalene	mg/kg							.4	U	U	.4	U	U
2-Methylphenol	mg/kg							.4	U	U	.4	U	U
2-Nitroaniline	mg/kg							.76	U	UJ	.76	U	UJ

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User Test Group

IMP-LASPOW-GP03

IMP-LASPOW

QG0045

29-OCT-02

4 - 6

<u>Result</u>	<u>Qual</u>	<u>VQual</u>

SW8270C

Dibenzofuran	mg/kg

Diethyl phthalate mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0046	QG0008	QG0009	QG0011
<i>Sample Date:</i>	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
<i>Sample Depth:</i>	4 - 6	3 - 4	3 - 4	3 - 4

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
2-Nitrophenol	mg/kg				.4	U	U	.39	U	U			
3,3'-Dichlorobenzidine	mg/kg				.77	U	U	.75	U	U			
3-Nitroaniline	mg/kg				.77	U	U	.75	U	U			
4,6-Dinitro-2-methylphenol	mg/kg				.77	U	U	.75	U	U			
4-Bromophenyl phenyl ether	mg/kg				.4	U	U	.39	U	U			
4-Chloro-3-methylphenol	mg/kg				.4	U	U	.39	U	U			
4-Chloroaniline	mg/kg				.4	U	U	.39	U	U			
4-Chlorophenyl phenyl ether	mg/kg				.4	U	U	.39	U	U			
4-Methylphenol	mg/kg				.4	U	U	.39	U	U			
4-Nitroaniline	mg/kg				.4	U	U	.39	U	U			
4-Nitrophenol	mg/kg				.77	U	U	.75	U	U			
Acenaphthene	mg/kg				.4	U	U	.39	U	U			
Acenaphthylene	mg/kg				.4	U	U	.39	U	U			
Anthracene	mg/kg				.4	U	U	.39	U	U			
Benzo(a)anthracene	mg/kg				.4	U	U	.39	U	U			
Benzo(a)pyrene	mg/kg				.4	U	U	.39	U	U			
Benzo(b)fluoranthene	mg/kg				.4	U	U	.39	U	U			
Benzo(ghi)perylene	mg/kg				.4	U	UJ	.39	U	UJ			
Benzo(k)fluoranthene	mg/kg				.4	U	U	.39	U	U			
Bis(2-Chloroethoxy)methane	mg/kg				.4	U	U	.39	U	U			
Bis(2-Chloroethyl)ether	mg/kg				.4	U	U	.39	U	U			
Bis(2-Chloroisopropyl)ether	mg/kg				.4	U	U	.39	U	U			
Bis(2-Ethylhexyl)phthalate	mg/kg				.4	U	U	.39	U	U			
Butyl benzyl phthalate	mg/kg				.4	U	U	.39	U	U			
Carbazole	mg/kg				.4	U	U	.39	U	U			
Chrysene	mg/kg				.4	U	U	.39	U	U			
Di-n-butyl phthalate	mg/kg				.4	U	U	.39	U	U			
Di-n-octyl phthalate	mg/kg				.4	U	U	.39	U	U			
Dibenz(a,h)anthracene	mg/kg				.4	U	UJ	.39	U	UJ			
Dibenzofuran	mg/kg				.4	U	U	.39	U	U			
Diethyl phthalate	mg/kg				.4	U	U	.39	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

Lab Method

Parameter

SW8270C

2-Nitrophenol	mg/kg
3,3'-Dichlorobenzidine	mg/kg
3-Nitroaniline	mg/kg
4,6-Dinitro-2-methylphenol	mg/kg
4-Bromophenyl phenyl ether	mg/kg
4-Chloro-3-methylphenol	mg/kg
4-Chloroaniline	mg/kg
4-Chlorophenyl phenyl ether	mg/kg
4-Methylphenol	mg/kg
4-Nitroaniline	mg/kg
4-Nitrophenol	mg/kg
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Bis(2-Chloroethoxy)methane	mg/kg
Bis(2-Chloroethyl)ether	mg/kg
Bis(2-Chloroisopropyl)ether	mg/kg
Bis(2-Ethylhexyl)phthalate	mg/kg
Butyl benzyl phthalate	mg/kg
Carbazole	mg/kg
Chrysene	mg/kg
Di-n-butyl phthalate	mg/kg
Di-n-octyl phthalate	mg/kg
Dibenz(a,h)anthracene	mg/kg
Dibenzofuran	mg/kg
Diethyl phthalate	mg/kg

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User Test Group Lab Method	Location Code:	IMP-IASPOW-GP13	IMP-IASPOW-GP14			IMP-IASPOW-GP14			IMP-IASPOW-GP15				
	Associated Site:	IMP-IASPOW	IMP-IASPOW			IMP-IASPOW			IMP-IASPOW				
	Sample No:	QG0029	QG0031			QG0032			QG0034				
	Sample Date:	02-OCT-02	01-OCT-02			01-OCT-02			01-OCT-02				
	Sample Depth:	3 - 4	2 - 4			2 - 4			2 - 4				
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES													
SW8270C													
2-Nitrophenol	mg/kg				.4	U	U	.4	U	U			
3,3'-Dichlorobenzidine	mg/kg				.77	U	U	.76	U	U			
3-Nitroaniline	mg/kg				.77	U	U	.76	U	U			
4,6-Dinitro-2-methylphenol	mg/kg				.77	U	U	.76	U	U			
4-Bromophenyl phenyl ether	mg/kg				.4	U	U	.4	U	U			
4-Chloro-3-methylphenol	mg/kg				.4	U	U	.4	U	U			
4-Chloroaniline	mg/kg				.4	U	U	.4	U	U			
4-Chlorophenyl phenyl ether	mg/kg				.4	U	U	.4	U	U			
4-Methylphenol	mg/kg				.4	U	U	.4	U	U			
4-Nitroaniline	mg/kg				.4	U	U	.4	U	U			
4-Nitrophenol	mg/kg				.77	U	U	.76	U	U			
Acenaphthene	mg/kg				.4	U	U	.4	U	U			
Acenaphthylene	mg/kg				.4	U	U	.4	U	U			
Anthracene	mg/kg				.4	U	U	.4	U	U			
Benzo(a)anthracene	mg/kg				.4	U	U	.4	U	U			
Benzo(a)pyrene	mg/kg				.4	U	U	.4	U	U			
Benzo(b)fluoranthene	mg/kg				.4	U	U	.4	U	U			
Benzo(ghi)perylene	mg/kg				.4	U	U	.4	U	U			
Benzo(k)fluoranthene	mg/kg				.4	U	U	.4	U	U			
Bis(2-Chloroethoxy)methane	mg/kg				.4	U	U	.4	U	U			
Bis(2-Chloroethyl)ether	mg/kg				.4	U	U	.4	U	U			
Bis(2-Chloroisopropyl)ether	mg/kg				.4	U	UJ	.4	U	UJ			
Bis(2-Ethylhexyl)phthalate	mg/kg				.4	U	U	.4	U	U			
Butyl benzyl phthalate	mg/kg				.4	U	U	.4	U	U			
Carbazole	mg/kg				.4	U	U	.4	U	U			
Chrysene	mg/kg				.4	U	U	.4	U	U			
Di-n-butyl phthalate	mg/kg				.4	U	U	.4	U	U			
Di-n-octyl phthalate	mg/kg				.4	U	U	.4	U	U			
Dibenz(a,h)anthracene	mg/kg				.4	U	U	.4	U	U			
Dibenzofuran	mg/kg				.4	U	U	.4	U	U			
Diethyl phthalate	mg/kg				.4	U	U	.4	U	U			

[illegible]

Summary of Validated Subsurface Soil Analytical Data
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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
2-Nitrophenol	mg/kg							.4	U	U	.4	U	U
3,3'-Dichlorobenzidine	mg/kg							.76	U	U	.76	U	U
3-Nitroaniline	mg/kg							.76	U	U	.76	U	U
4,6-Dinitro-2-methylphenol	mg/kg							.76	U	U	.76	U	U
4-Bromophenyl phenyl ether	mg/kg							.4	U	U	.4	U	U
4-Chloro-3-methylphenol	mg/kg							.4	U	U	.4	U	U
4-Chloroaniline	mg/kg							.4	U	U	.4	U	U
4-Chlorophenyl phenyl ether	mg/kg							.4	U	U	.4	U	U
4-Methylphenol	mg/kg							.4	U	U	.4	U	U
4-Nitroaniline	mg/kg							.4	U	U	.4	U	U
4-Nitrophenol	mg/kg							.76	U	U	.76	U	U
Acenaphthene	mg/kg							.4	U	U	.4	U	U
Acenaphthylene	mg/kg							.4	U	U	.4	U	U
Anthracene	mg/kg							.4	U	U	.4	U	U
Benzo(a)anthracene	mg/kg							.4	U	U	.4	U	U
Benzo(a)pyrene	mg/kg							.4	U	U	.4	U	U
Benzo(b)fluoranthene	mg/kg							.4	U	U	.4	U	U
Benzo(ghi)perylene	mg/kg							.4	U	UJ	.4	U	UJ
Benzo(k)fluoranthene	mg/kg							.4	U	U	.4	U	U
Bis(2-Chloroethoxy)methane	mg/kg							.4	U	U	.4	U	U
Bis(2-Chloroethyl)ether	mg/kg							.4	U	U	.4	U	U
Bis(2-Chloroisopropyl)ether	mg/kg							.4	U	U	.4	U	U
Bis(2-Ethylhexyl)phthalate	mg/kg							.4	U	U	.4	U	U
Butyl benzyl phthalate	mg/kg							.4	U	U	.4	U	U
Carbazole	mg/kg							.4	U	U	.4	U	U
Chrysene	mg/kg							.4	U	U	.4	U	U
Di-n-butyl phthalate	mg/kg							.4	U	U	.4	U	U
Di-n-octyl phthalate	mg/kg							.4	U	U	.4	U	U
Dibenz(a,h)anthracene	mg/kg							.4	U	UJ	.4	U	UJ
Dibenzofuran	mg/kg							.4	U	U	.4	U	U
Diethyl phthalate	mg/kg							.4	U	U	.4	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP03
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0002	QG0004	QG0006	QG0045
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	29-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	4 - 6

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
Dimethyl phthalate	mg/kg												
Fluoranthene	mg/kg												
Fluorene	mg/kg												
Hexachlorobenzene	mg/kg												
Hexachlorobutadiene	mg/kg												
Hexachlorocyclopentadiene	mg/kg												
Hexachloroethane	mg/kg												
Indeno(1,2,3-cd)pyrene	mg/kg												
Isophorone	mg/kg												
N-Nitroso-di-n-propylamine	mg/kg												
N-Nitrosodiphenylamine	mg/kg												
Naphthalene	mg/kg												
Nitrobenzene	mg/kg												
Pentachlorophenol	mg/kg												
Phenanthrene	mg/kg												
Phenol	mg/kg												
Pyrene	mg/kg												

VOLATILES

SW8260B	
1,1,1,2-Tetrachloroethane	mg/kg
1,1,1-Trichloroethane	mg/kg
1,1,2,2-Tetrachloroethane	mg/kg
1,1,2-Trichloroethane	mg/kg
1,1-Dichloroethane	mg/kg
1,1-Dichloroethene	mg/kg
1,1-Dichloropropene	mg/kg
1,2,3-Trichlorobenzene	mg/kg
1,2,3-Trichloropropane	mg/kg
1,2,4-Trichlorobenzene	mg/kg
1,2,4-Trimethylbenzene	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0046	QG0008	QG0009	QG0011
<i>Sample Date:</i>	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
<i>Sample Depth:</i>	4 - 6	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
Dimethyl phthalate	mg/kg				.4	U	U	.39	U	U			
Fluoranthene	mg/kg				.4	U	U	.39	U	U			
Fluorene	mg/kg				.4	U	U	.39	U	U			
Hexachlorobenzene	mg/kg				.4	U	U	.39	U	U			
Hexachlorobutadiene	mg/kg				.4	U	U	.39	U	U			
Hexachlorocyclopentadiene	mg/kg				.4	U	U	.39	U	U			
Hexachloroethane	mg/kg				.4	U	U	.39	U	U			
Indeno(1,2,3-cd)pyrene	mg/kg				.4	U	UJ	.39	U	UJ			
Isophorone	mg/kg				.4	U	U	.39	U	U			
N-Nitroso-di-n-propylamine	mg/kg				.4	U	U	.39	U	U			
N-Nitrosodiphenylamine	mg/kg				.4	U	U	.39	U	U			
Naphthalene	mg/kg				.4	U	U	.39	U	U			
Nitrobenzene	mg/kg				.4	U	U	.39	U	U			
Pentachlorophenol	mg/kg				.77	U	U	.75	U	U			
Phenanthrene	mg/kg				.4	U	U	.39	U	U			
Phenol	mg/kg				.4	U	U	.39	U	U			
Pyrene	mg/kg				.4	U	U	.39	U	U			

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	mg/kg				.005	U	U	.0051	U	U			
1,1,1-Trichloroethane	mg/kg				.005	U	U	.0051	U	U			
1,1,2,2-Tetrachloroethane	mg/kg				.005	U	U	.0051	U	U			
1,1,2-Trichloroethane	mg/kg				.005	U	U	.0051	U	U			
1,1-Dichloroethane	mg/kg				.005	U	U	.0051	U	U			
1,1-Dichloroethene	mg/kg				.005	U	U	.0051	U	U			
1,1-Dichloropropene	mg/kg				.005	U	U	.0051	U	U			
1,2,3-Trichlorobenzene	mg/kg				.005	U	U	.0051	U	U			
1,2,3-Trichloropropane	mg/kg				.005	U	U	.0051	U	U			
1,2,4-Trichlorobenzene	mg/kg				.005	U	U	.0051	U	U			
1,2,4-Trimethylbenzene	mg/kg				.005	U	U	.0051	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
Dimethyl phthalate	mg/kg												
Fluoranthene	mg/kg												
Fluorene	mg/kg												
Hexachlorobenzene	mg/kg												
Hexachlorobutadiene	mg/kg												
Hexachlorocyclopentadiene	mg/kg												
Hexachloroethane	mg/kg												
Indeno(1,2,3-cd)pyrene	mg/kg												
Isophorone	mg/kg												
N-Nitroso-di-n-propylamine	mg/kg												
N-Nitrosodiphenylamine	mg/kg												
Naphthalene	mg/kg												
Nitrobenzene	mg/kg												
Pentachlorophenol	mg/kg												
Phenanthrene	mg/kg												
Phenol	mg/kg												
Pyrene	mg/kg												

VOLATILES

SW8260B	
1,1,1,2-Tetrachloroethane	mg/kg
1,1,1-Trichloroethane	mg/kg
1,1,2,2-Tetrachloroethane	mg/kg
1,1,2-Trichloroethane	mg/kg
1,1-Dichloroethane	mg/kg
1,1-Dichloroethene	mg/kg
1,1-Dichloropropene	mg/kg
1,2,3-Trichlorobenzene	mg/kg
1,2,3-Trichloropropane	mg/kg
1,2,4-Trichlorobenzene	mg/kg
1,2,4-Trimethylbenzene	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP14	IMP-IASPOW-GP15
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0029	QG0031	QG0032	QG0034
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	3 - 4	2 - 4	2 - 4	2 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
Dimethyl phthalate	mg/kg				.4	U	U				.4	U	U
Fluoranthene	mg/kg				.4	U	U				.4	U	U
Fluorene	mg/kg				.4	U	U				.4	U	U
Hexachlorobenzene	mg/kg				.4	U	U				.4	U	U
Hexachlorobutadiene	mg/kg				.4	U	U				.4	U	U
Hexachlorocyclopentadiene	mg/kg				.4	U	U				.4	U	U
Hexachloroethane	mg/kg				.4	U	U				.4	U	U
Indeno(1,2,3-cd)pyrene	mg/kg				.4	U	U				.4	U	U
Isophorone	mg/kg				.4	U	U				.4	U	U
N-Nitroso-di-n-propylamine	mg/kg				.4	U	U				.4	U	U
N-Nitrosodiphenylamine	mg/kg				.4	U	U				.4	U	U
Naphthalene	mg/kg				.4	U	U				.4	U	U
Nitrobenzene	mg/kg				.4	U	U				.4	U	U
Pentachlorophenol	mg/kg				.77	U	U				.76	U	U
Phenanthrene	mg/kg				.4	U	U				.4	U	U
Phenol	mg/kg				.4	U	U				.4	U	U
Pyrene	mg/kg				.4	U	U				.4	U	U

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	mg/kg				.005	U	U				.0052	U	U
1,1,1-Trichloroethane	mg/kg				.005	U	U				.0052	U	U
1,1,2,2-Tetrachloroethane	mg/kg				.005	U	U				.0052	U	U
1,1,2-Trichloroethane	mg/kg				.005	U	U				.0052	U	U
1,1-Dichloroethane	mg/kg				.005	U	U				.0052	U	U
1,1-Dichloroethene	mg/kg				.005	U	U				.0052	U	U
1,1-Dichloropropene	mg/kg				.005	U	U				.0052	U	U
1,2,3-Trichlorobenzene	mg/kg				.005	U	U				.0052	U	U
1,2,3-Trichloropropane	mg/kg				.005	U	U				.0052	U	U
1,2,4-Trichlorobenzene	mg/kg				.005	U	U				.0052	U	U
1,2,4-Trimethylbenzene	mg/kg				.005	U	U				.0052	U	U

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<i>User Test Group</i> <u>Lab Method</u>	<i>Location Code:</i>	IMP-IASPOW-GP16	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19
	<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
	<i>Sample No:</i>	QG0036	QG0038	QG0040	QG0042
	<i>Sample Date:</i>	01-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
	<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4
<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
SEMIVOLATILES					
SW8270C					
Dimethyl phthalate	mg/kg				
Fluoranthene	mg/kg				
Fluorene	mg/kg				
Hexachlorobenzene	mg/kg				
Hexachlorobutadiene	mg/kg				
Hexachlorocyclopentadiene	mg/kg				
Hexachloroethane	mg/kg				
Indeno(1,2,3-cd)pyrene	mg/kg				
Isophorone	mg/kg				
N-Nitroso-di-n-propylamine	mg/kg				
N-Nitrosodiphenylamine	mg/kg				
Naphthalene	mg/kg				
Nitrobenzene	mg/kg				
Pentachlorophenol	mg/kg				
Phenanthrene	mg/kg				
Phenol	mg/kg				
Pyrene	mg/kg				
VOLATILES					
SW8260B					
1,1,1,2-Tetrachloroethane	mg/kg				
1,1,1-Trichloroethane	mg/kg				
1,1,2,2-Tetrachloroethane	mg/kg				
1,1,2-Trichloroethane	mg/kg				
1,1-Dichloroethane	mg/kg				
1,1-Dichloroethene	mg/kg				
1,1-Dichloropropene	mg/kg				
1,2,3-Trichlorobenzene	mg/kg				
1,2,3-Trichloropropane	mg/kg				
1,2,4-Trichlorobenzene	mg/kg				
1,2,4-Trimethylbenzene	mg/kg				

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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES													
SW8270C													
Dimethyl phthalate	mg/kg							.4	U	U	.4	U	U
Fluoranthene	mg/kg							.4	U	U	.4	U	U
Fluorene	mg/kg							.4	U	U	.4	U	U
Hexachlorobenzene	mg/kg							.4	U	U	.4	U	U
Hexachlorobutadiene	mg/kg							.4	U	U	.4	U	U
Hexachlorocyclopentadiene	mg/kg							.4	U	U	.4	U	U
Hexachloroethane	mg/kg							.4	U	U	.4	U	U
Indeno(1,2,3-cd)pyrene	mg/kg							.4	U	UJ	.4	U	UJ
Isophorone	mg/kg							.4	U	U	.4	U	U
N-Nitroso-di-n-propylamine	mg/kg							.4	U	U	.4	U	U
N-Nitrosodiphenylamine	mg/kg							.4	U	U	.4	U	U
Naphthalene	mg/kg							.4	U	U	.4	U	U
Nitrobenzene	mg/kg							.4	U	U	.4	U	U
Pentachlorophenol	mg/kg							.76	U	U	.76	U	U
Phenanthrene	mg/kg							.4	U	U	.4	U	U
Phenol	mg/kg							.4	U	U	.4	U	U
Pyrene	mg/kg							.4	U	U	.4	U	U

VOLATILES

SW8260B													
1,1,1,2-Tetrachloroethane	mg/kg							.0046	U	U	.0052	U	U
1,1,1-Trichloroethane	mg/kg							.0046	U	U	.0052	U	U
1,1,2,2-Tetrachloroethane	mg/kg							.0046	U	U	.0052	U	U
1,1,2-Trichloroethane	mg/kg							.0046	U	U	.0052	U	U
1,1-Dichloroethane	mg/kg							.0046	U	U	.0052	U	U
1,1-Dichloroethene	mg/kg							.0046	U	U	.0052	U	U
1,1-Dichloropropene	mg/kg							.0046	U	U	.0052	U	U
1,2,3-Trichlorobenzene	mg/kg							.0046	U	U	.0052	U	U
1,2,3-Trichloropropane	mg/kg							.0046	U	U	.0052	U	U
1,2,4-Trichlorobenzene	mg/kg							.0046	U	U	.0052	U	U
1,2,4-Trimethylbenzene	mg/kg							.0046	U	U	.0052	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP03
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0002	QG0004	QG0006	QG0045
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	29-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	4 - 6

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
VOLATILES					
SW8260B					
1,2-Dibromo-3-Chloropropane	mg/kg				
1,2-Dibromoethane	mg/kg				
1,2-Dichlorobenzene	mg/kg				
1,2-Dichloroethane	mg/kg				
1,2-Dichloropropane	mg/kg				
1,2-Dimethylbenzene	mg/kg				
1,3,5-Trimethylbenzene	mg/kg				
1,3-Dichlorobenzene	mg/kg				
1,3-Dichloropropane	mg/kg				
1,4-Dichlorobenzene	mg/kg				
2-Butanone	mg/kg				
2-Hexanone	mg/kg				
4-Methyl-2-pentanone	mg/kg				
Acetone	mg/kg				
Benzene	mg/kg				
Bromobenzene	mg/kg				
Bromochloromethane	mg/kg				
Bromodichloromethane	mg/kg				
Bromoform	mg/kg				
Bromomethane	mg/kg				
Carbon disulfide	mg/kg				
Carbon tetrachloride	mg/kg				
Chlorobenzene	mg/kg				
Chloroethane	mg/kg				
Chloroform	mg/kg				
Chloromethane	mg/kg				
Cis-1,2-Dichloroethene	mg/kg				
Cis-1,3-Dichloropropene	mg/kg				
Cumene	mg/kg				
Dibromochloromethane	mg/kg				
Dibromomethane	mg/kg				

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<i>Location Code:</i>	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0046	QG0008	QG0009	QG0011
<i>Sample Date:</i>	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
<i>Sample Depth:</i>	4 - 6	3 - 4	3 - 4	3 - 4

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES													
SW8260B													
1,2-Dibromo-3-Chloropropane	mg/kg				.01	U	U	.01	U	U			
1,2-Dibromoethane	mg/kg				.005	U	U	.0051	U	U			
1,2-Dichlorobenzene	mg/kg				.005	U	U	.0051	U	U			
1,2-Dichloroethane	mg/kg				.005	U	U	.0051	U	U			
1,2-Dichloropropane	mg/kg				.005	U	U	.0051	U	U			
1,2-Dimethylbenzene	mg/kg				.005	U	U	.0051	U	U			
1,3,5-Trimethylbenzene	mg/kg				.005	U	U	.0051	U	U			
1,3-Dichlorobenzene	mg/kg				.005	U	U	.0051	U	U			
1,3-Dichloropropane	mg/kg				.005	U	U	.0051	U	U			
1,4-Dichlorobenzene	mg/kg				.005	U	U	.0051	U	U			
2-Butanone	mg/kg				.02	U	U	.02	U	U			
2-Hexanone	mg/kg				.02	U	U	.02	U	U			
4-Methyl-2-pentanone	mg/kg				.02	U	U	.02	U	U			
Acetone	mg/kg				.011	J	J	.012	J	J			
Benzene	mg/kg				.005	U	U	.0051	U	U			
Bromobenzene	mg/kg				.005	U	U	.0051	U	U			
Bromochloromethane	mg/kg				.005	U	U	.0051	U	U			
Bromodichloromethane	mg/kg				.005	U	U	.0051	U	U			
Bromoform	mg/kg				.005	U	U	.0051	U	U			
Bromomethane	mg/kg				.005	U	R	.0051	U	R			
Carbon disulfide	mg/kg				.005	U	U	.0051	U	U			
Carbon tetrachloride	mg/kg				.005	U	U	.0051	U	U			
Chlorobenzene	mg/kg				.005	U	U	.0051	U	U			
Chloroethane	mg/kg				.01	U	U	.01	U	U			
Chloroform	mg/kg				.005	U	U	.0051	U	U			
Chloromethane	mg/kg				.005	U	U	.0051	U	U			
Cis-1,2-Dichloroethene	mg/kg				.005	U	U	.0051	U	U			
Cis-1,3-Dichloropropene	mg/kg				.005	U	U	.0051	U	U			
Cumene	mg/kg				.005	U	U	.0051	U	U			
Dibromochloromethane	mg/kg				.005	U	U	.0051	U	U			
Dibromomethane	mg/kg				.005	U	U	.0051	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
VOLATILES					
SW8260B					
1,2-Dibromo-3-Chloropropane	mg/kg				
1,2-Dibromoethane	mg/kg				
1,2-Dichlorobenzene	mg/kg				
1,2-Dichloroethane	mg/kg				
1,2-Dichloropropane	mg/kg				
1,2-Dimethylbenzene	mg/kg				
1,3,5-Trimethylbenzene	mg/kg				
1,3-Dichlorobenzene	mg/kg				
1,3-Dichloropropane	mg/kg				
1,4-Dichlorobenzene	mg/kg				
2-Butanone	mg/kg				
2-Hexanone	mg/kg				
4-Methyl-2-pentanone	mg/kg				
Acetone	mg/kg				
Benzene	mg/kg				
Bromobenzene	mg/kg				
Bromochloromethane	mg/kg				
Bromodichloromethane	mg/kg				
Bromoform	mg/kg				
Bromomethane	mg/kg				
Carbon disulfide	mg/kg				
Carbon tetrachloride	mg/kg				
Chlorobenzene	mg/kg				
Chloroethane	mg/kg				
Chloroform	mg/kg				
Chloromethane	mg/kg				
Cis-1,2-Dichloroethene	mg/kg				
Cis-1,3-Dichloropropene	mg/kg				
Cumene	mg/kg				
Dibromochloromethane	mg/kg				
Dibromomethane	mg/kg				

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP14	IMP-IASPOW-GP15
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0029	QG0031	QG0032	QG0034
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	3 - 4	2 - 4	2 - 4	2 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260B													
1,2-Dibromo-3-Chloropropane	mg/kg				.01	U	U	.01	U	U			
1,2-Dibromoethane	mg/kg				.005	U	U	.0052	U	U			
1,2-Dichlorobenzene	mg/kg				.005	U	U	.0052	U	U			
1,2-Dichloroethane	mg/kg				.005	U	U	.0052	U	U			
1,2-Dichloropropane	mg/kg				.005	U	U	.0052	U	U			
1,2-Dimethylbenzene	mg/kg				.005	U	U	.0052	U	U			
1,3,5-Trimethylbenzene	mg/kg				.005	U	U	.0052	U	U			
1,3-Dichlorobenzene	mg/kg				.005	U	U	.0052	U	U			
1,3-Dichloropropane	mg/kg				.005	U	U	.0052	U	U			
1,4-Dichlorobenzene	mg/kg				.005	U	U	.0052	U	U			
2-Butanone	mg/kg				.02	U	U	.021	U	U			
2-Hexanone	mg/kg				.02	U	U	.021	U	U			
4-Methyl-2-pentanone	mg/kg				.02	U	U	.021	U	U			
Acetone	mg/kg				.022			.027					
Benzene	mg/kg				.005	U	U	.0052	U	U			
Bromobenzene	mg/kg				.005	U	U	.0052	U	U			
Bromochloromethane	mg/kg				.005	U	U	.0052	U	U			
Bromodichloromethane	mg/kg				.005	U	U	.0052	U	U			
Bromoform	mg/kg				.005	U	U	.0052	U	U			
Bromomethane	mg/kg				.005	U	UJ	.0052	U	UJ			
Carbon disulfide	mg/kg				.005	U	UJ	.0052	U	UJ			
Carbon tetrachloride	mg/kg				.005	U	U	.0052	U	U			
Chlorobenzene	mg/kg				.005	U	U	.0052	U	U			
Chloroethane	mg/kg				.01	U	U	.01	U	U			
Chloroform	mg/kg				.005	U	U	.0052	U	U			
Chloromethane	mg/kg				.005	U	UJ	.0052	U	UJ			
Cis-1,2-Dichloroethene	mg/kg				.005	U	U	.0052	U	U			
Cis-1,3-Dichloropropene	mg/kg				.005	U	U	.0052	U	U			
Cumene	mg/kg				.005	U	U	.0052	U	U			
Dibromochloromethane	mg/kg				.005	U	U	.0052	U	U			
Dibromomethane	mg/kg				.005	U	U	.0052	U	U			

Summary of Validated Subsurface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP16	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0036	QG0038	QG0040	QG0042
<i>Sample Date:</i>	01-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
VOLATILES					
SW8260B					
1,2-Dibromo-3-Chloropropane	mg/kg				
1,2-Dibromoethane	mg/kg				
1,2-Dichlorobenzene	mg/kg				
1,2-Dichloroethane	mg/kg				
1,2-Dichloropropane	mg/kg				
1,2-Dimethylbenzene	mg/kg				
1,3,5-Trimethylbenzene	mg/kg				
1,3-Dichlorobenzene	mg/kg				
1,3-Dichloropropane	mg/kg				
1,4-Dichlorobenzene	mg/kg				
2-Butanone	mg/kg				
2-Hexanone	mg/kg				
4-Methyl-2-pentanone	mg/kg				
Acetone	mg/kg				
Benzene	mg/kg				
Bromobenzene	mg/kg				
Bromochloromethane	mg/kg				
Bromodichloromethane	mg/kg				
Bromoform	mg/kg				
Bromomethane	mg/kg				
Carbon disulfide	mg/kg				
Carbon tetrachloride	mg/kg				
Chlorobenzene	mg/kg				
Chloroethane	mg/kg				
Chloroform	mg/kg				
Chloromethane	mg/kg				
Cis-1,2-Dichloroethene	mg/kg				
Cis-1,3-Dichloropropene	mg/kg				
Cumene	mg/kg				
Dibromochloromethane	mg/kg				
Dibromomethane	mg/kg				

Summary of Validated Subsurface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260B													
1,2-Dibromo-3-Chloropropane	mg/kg							.0093	U	U	.01	U	U
1,2-Dibromoethane	mg/kg							.0046	U	U	.0052	U	U
1,2-Dichlorobenzene	mg/kg							.0046	U	U	.0052	U	U
1,2-Dichloroethane	mg/kg							.0046	U	U	.0052	U	U
1,2-Dichloropropane	mg/kg							.0046	U	U	.0052	U	U
1,2-Dimethylbenzene	mg/kg							.0046	U	U	.0052	U	U
1,3,5-Trimethylbenzene	mg/kg							.0046	U	U	.0052	U	U
1,3-Dichlorobenzene	mg/kg							.0046	U	U	.0052	U	U
1,3-Dichloropropane	mg/kg							.0046	U	U	.0052	U	U
1,4-Dichlorobenzene	mg/kg							.0046	U	U	.0052	U	U
2-Butanone	mg/kg							.019	U	U	.021	U	U
2-Hexanone	mg/kg							.019	U	U	.021	U	U
4-Methyl-2-pentanone	mg/kg							.019	U	U	.021	U	U
Acetone	mg/kg							.011	J	J	.031		J
Benzene	mg/kg							.0046	U	U	.0052	U	U
Bromobenzene	mg/kg							.0046	U	U	.0052	U	U
Bromochloromethane	mg/kg							.0046	U	U	.0052	U	U
Bromodichloromethane	mg/kg							.0046	U	U	.0052	U	U
Bromoform	mg/kg							.0046	U	U	.0052	U	U
Bromomethane	mg/kg							.0046	U	R	.0052	U	R
Carbon disulfide	mg/kg							.0046	U	U	.0052	U	U
Carbon tetrachloride	mg/kg							.0046	U	U	.0052	U	U
Chlorobenzene	mg/kg							.0046	U	U	.0052	U	U
Chloroethane	mg/kg							.0093	U	U	.01	U	U
Chloroform	mg/kg							.0046	U	U	.0052	U	U
Chloromethane	mg/kg							.0046	U	U	.0052	U	U
Cis-1,2-Dichloroethene	mg/kg							.0046	U	U	.0052	U	U
Cis-1,3-Dichloropropene	mg/kg							.0046	U	U	.0052	U	U
Cumene	mg/kg							.0046	U	U	.0052	U	U
Dibromochloromethane	mg/kg							.0046	U	U	.0052	U	U
Dibromomethane	mg/kg							.0046	U	U	.0052	U	U

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<i>Location Code:</i>	IMP-IASPOW-GP01	IMP-IASPOW-GP02	IMP-IASPOW-GP03	IMP-IASPOW-GP03
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0002	QG0004	QG0006	QG0045
<i>Sample Date:</i>	23-JAN-02	23-JAN-02	23-JAN-02	29-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	4 - 6

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
VOLATILES					
SW8260B					
Dichlorodifluoromethane	mg/kg				
Ethylbenzene	mg/kg				
Hexachlorobutadiene	mg/kg				
Methylene chloride	mg/kg				
N-Butylbenzene	mg/kg				
N-Propylbenzene	mg/kg				
Naphthalene	mg/kg				
Styrene	mg/kg				
Tetrachloroethene	mg/kg				
Toluene	mg/kg				
Trans-1,2-Dichloroethene	mg/kg				
Trans-1,3-Dichloropropene	mg/kg				
Trichloroethene	mg/kg				
Trichlorofluoromethane	mg/kg				
Vinyl chloride	mg/kg				
m,p-Xylenes	mg/kg				
o-Chlorotoluene	mg/kg				
p-Chlorotoluene	mg/kg				
p-Cymene	mg/kg				
sec-Butylbenzene	mg/kg				
sec-Dichloropropane	mg/kg				
tert-Butylbenzene	mg/kg				

Summary of Validated Subsurface Soil Analytical Data
Small Arms Impact Area, South of Former POW Training Area
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<i>Location Code:</i>	IMP-IASPOW-GP03	IMP-IASPOW-GP04	IMP-IASPOW-GP04	IMP-IASPOW-GP05
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0046	QG0008	QG0009	QG0011
<i>Sample Date:</i>	29-OCT-02	24-JAN-02	24-JAN-02	23-JAN-02
<i>Sample Depth:</i>	4 - 6	3 - 4	3 - 4	3 - 4

User Test Group
Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES													
SW8260B													
Dichlorodifluoromethane	mg/kg				.01	U	U	.01	U	U			
Ethylbenzene	mg/kg				.005	U	U	.0051	U	U			
Hexachlorobutadiene	mg/kg				.005	U	U	.0051	U	U			
Methylene chloride	mg/kg				.0034	J	B	.0038	J	B			
N-Butylbenzene	mg/kg				.005	U	U	.0051	U	U			
N-Propylbenzene	mg/kg				.005	U	U	.0051	U	U			
Naphthalene	mg/kg				.01	U	U	.01	U	U			
Styrene	mg/kg				.005	U	U	.0051	U	U			
Tetrachloroethene	mg/kg				.005	U	U	.0051	U	U			
Toluene	mg/kg				.005	U	U	.0051	U	U			
Trans-1,2-Dichloroethene	mg/kg				.005	U	U	.0051	U	U			
Trans-1,3-Dichloropropene	mg/kg				.005	U	U	.0051	U	U			
Trichloroethene	mg/kg				.005	U	U	.0051	U	U			
Trichlorofluoromethane	mg/kg				.005	U	U	.0051	U	U			
Vinyl chloride	mg/kg				.005	U	U	.0051	U	U			
m,p-Xylenes	mg/kg				.01	U	U	.01	U	U			
o-Chlorotoluene	mg/kg				.005	U	U	.0051	U	U			
p-Chlorotoluene	mg/kg				.005	U	U	.0051	U	U			
p-Cymene	mg/kg				.005	U	U	.0051	U	U			
sec-Butylbenzene	mg/kg				.005	U	U	.0051	U	U			
sec-Dichloropropane	mg/kg				.005	U	U	.0051	U	U			
tert-Butylbenzene	mg/kg				.005	U	U	.0051	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP06	IMP-IASPOW-GP10	IMP-IASPOW-GP11	IMP-IASPOW-GP12
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0013	QG0023	QG0025	QG0027
<i>Sample Date:</i>	24-JAN-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
VOLATILES					
SW8260B					
Dichlorodifluoromethane	mg/kg				
Ethylbenzene	mg/kg				
Hexachlorobutadiene	mg/kg				
Methylene chloride	mg/kg				
N-Butylbenzene	mg/kg				
N-Propylbenzene	mg/kg				
Naphthalene	mg/kg				
Styrene	mg/kg				
Tetrachloroethene	mg/kg				
Toluene	mg/kg				
Trans-1,2-Dichloroethene	mg/kg				
Trans-1,3-Dichloropropene	mg/kg				
Trichloroethene	mg/kg				
Trichlorofluoromethane	mg/kg				
Vinyl chloride	mg/kg				
m,p-Xylenes	mg/kg				
o-Chlorotoluene	mg/kg				
p-Chlorotoluene	mg/kg				
p-Cymene	mg/kg				
sec-Butylbenzene	mg/kg				
sec-Dichloropropane	mg/kg				
tert-Butylbenzene	mg/kg				

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<i>Location Code:</i>	IMP-IASPOW-GP13	IMP-IASPOW-GP14	IMP-IASPOW-GP14	IMP-IASPOW-GP15
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0029	QG0031	QG0032	QG0034
<i>Sample Date:</i>	02-OCT-02	01-OCT-02	01-OCT-02	01-OCT-02
<i>Sample Depth:</i>	3 - 4	2 - 4	2 - 4	2 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES													
SW8260B													
Dichlorodifluoromethane	mg/kg				.01	U	UJ	.01	U	UJ			
Ethylbenzene	mg/kg				.005	U	U	.0052	U	U			
Hexachlorobutadiene	mg/kg				.005	U	UJ	.0052	U	UJ			
Methylene chloride	mg/kg				.01	U	U	.01	U	U			
N-Butylbenzene	mg/kg				.005	U	U	.0052	U	U			
N-Propylbenzene	mg/kg				.005	U	U	.0052	U	U			
Naphthalene	mg/kg				.01	U	U	.01	U	U			
Styrene	mg/kg				.005	U	U	.0052	U	U			
Tetrachloroethene	mg/kg				.005	U	U	.0052	U	U			
Toluene	mg/kg				.005	U	U	.0052	U	U			
Trans-1,2-Dichloroethene	mg/kg				.005	U	U	.0052	U	U			
Trans-1,3-Dichloropropene	mg/kg				.005	U	U	.0052	U	U			
Trichloroethene	mg/kg				.005	U	U	.0052	U	U			
Trichlorofluoromethane	mg/kg				.005	U	U	.0052	U	U			
Vinyl chloride	mg/kg				.005	U	U	.0052	U	U			
m,p-Xylenes	mg/kg				.01	U	U	.01	U	U			
o-Chlorotoluene	mg/kg				.005	U	U	.0052	U	U			
p-Chlorotoluene	mg/kg				.005	U	U	.0052	U	U			
p-Cymene	mg/kg				.005	U	U	.0052	U	U			
sec-Butylbenzene	mg/kg				.005	U	U	.0052	U	U			
sec-Dichloropropane	mg/kg				.005	U	UJ	.0052	U	UJ			
tert-Butylbenzene	mg/kg				.005	U	U	.0052	U	U			

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<i>Location Code:</i>	IMP-IASPOW-GP16	IMP-IASPOW-GP17	IMP-IASPOW-GP18	IMP-IASPOW-GP19
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0036	QG0038	QG0040	QG0042
<i>Sample Date:</i>	01-OCT-02	02-OCT-02	02-OCT-02	02-OCT-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

Parameter

Units

Result	Qual	VQual

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<i>Result</i>	<i>Qual</i>	<i>VQual</i>

<u>Result</u>	<u>Qual</u>	<u>VQual</u>

VOLATILES

SW8260B

Dichlorodifluoromethane	mg/kg
Ethylbenzene	mg/kg
Hexachlorobutadiene	mg/kg
Methylene chloride	mg/kg
N-Butylbenzene	mg/kg
N-Propylbenzene	mg/kg
Naphthalene	mg/kg
Styrene	mg/kg
Tetrachloroethene	mg/kg
Toluene	mg/kg
Trans-1,2-Dichloroethene	mg/kg
Trans-1,3-Dichloropropene	mg/kg
Trichloroethene	mg/kg
Trichlorofluoromethane	mg/kg
Vinyl chloride	mg/kg
m,p-Xylenes	mg/kg
o-Chlorotoluene	mg/kg
p-Chlorotoluene	mg/kg
p-Cymene	mg/kg
sec-Butylbenzene	mg/kg
sec-Dichloropropane	mg/kg
tert-Butylbenzene	mg/kg

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<i>Location Code:</i>	IMP-IASPOW-GP20	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG0044	QG0018	QG0020	QG0021
<i>Sample Date:</i>	02-OCT-02	23-JAN-02	24-JAN-02	24-JAN-02
<i>Sample Depth:</i>	3 - 4	3 - 4	3 - 4	3 - 4

User Test Group

Lab Method

<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES													
SW8260B													
Dichlorodifluoromethane	mg/kg							.0093	U	U	.01	U	U
Ethylbenzene	mg/kg							.0046	U	U	.0052	U	U
Hexachlorobutadiene	mg/kg							.0046	U	U	.0052	U	U
Methylene chloride	mg/kg							.0031	J	B	.0035	J	B
N-Butylbenzene	mg/kg							.0046	U	U	.0052	U	U
N-Propylbenzene	mg/kg							.0046	U	U	.0052	U	U
Naphthalene	mg/kg							.0093	U	U	.01	U	U
Styrene	mg/kg							.0046	U	U	.0052	U	U
Tetrachloroethene	mg/kg							.0046	U	U	.0011	J	J
Toluene	mg/kg							.0046	U	U	.0052	U	U
Trans-1,2-Dichloroethene	mg/kg							.0046	U	U	.0052	U	U
Trans-1,3-Dichloropropene	mg/kg							.0046	U	U	.0052	U	U
Trichloroethene	mg/kg							.0046	U	U	.0013	J	J
Trichlorofluoromethane	mg/kg							.0046	U	U	.0052	U	U
Vinyl chloride	mg/kg							.0046	U	U	.0052	U	U
m,p-Xylenes	mg/kg							.0093	U	U	.01	U	U
o-Chlorotoluene	mg/kg							.0046	U	U	.0052	U	U
p-Chlorotoluene	mg/kg							.0046	U	U	.0052	U	U
p-Cymene	mg/kg							.0046	U	U	.0052	U	U
sec-Butylbenzene	mg/kg							.0046	U	U	.0052	U	U
sec-Dichloropropane	mg/kg							.0046	U	U	.0052	U	U
tert-Butylbenzene	mg/kg							.0046	U	U	.0052	U	U

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

<i>User Test Group</i>		<i>Sample Date:</i>												
<i>Lab Method</i>														
<i>Parameter</i>	<i>Flt</i>	<i>Units</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>	<i>Result</i>	<i>Qual</i>	<i>VQual</i>
CL HERBICIDE														
SW8151A														
2,2-Dichloropropanoic Acid		mg/L							.0004	U	U	.0004	U	U
2,4,5-T		mg/L							.0004	U	U	.0004	U	U
2,4,5-TP		mg/L							.0004	U	U	.0004	U	U
2,4-D		mg/L							.0004	U	U	.0004	U	U
2,4-DB		mg/L							.0004	U	U	.00028	J	J
Dicamba		mg/L							.0008	U	U	.0008	U	U
Dichloroprop		mg/L							.0004	U	U	.0004	U	U
Dinoseb		mg/L							.0004	U	U	.00016	J	J
MCPA		mg/L							.2	U	U	.2	U	U
MCPP		mg/L							.2	U	U	.2	U	U
CL PESTICIDES														
SW8081A														
4,4'-DDD		mg/L				.00019	U	U	.00016	J	J	.00019	U	UJ
4,4'-DDE		mg/L				.00019	U	U	.00019	U	U	.00019	U	U
4,4'-DDT		mg/L				.00019	U	U	.00019	U	U	.000093	J	J
Aldrin		mg/L				.000096	U	U	.00008	J	J	.000059	J	J
Dieldrin		mg/L				.00019	U	U	.00016	J	J	.00011	J	J
Endosulfan I		mg/L				.000096	U	U	.000039	J	J	.00004	J	J
Endosulfan II		mg/L				.00019	U	U	.00019	U	U	.000012	J	J
Endosulfan sulfate		mg/L				.00019	U	U	.00019	U	U	.00019	U	U
Endrin		mg/L				.000058	J	J	.00022			.00019	U	U
Endrin aldehyde		mg/L				.00019	U	U	.00019	U	U	.00019	U	U
Endrin ketone		mg/L				.00019	U	U	.00019	U	U	.00019	U	U
Heptachlor		mg/L				.000096	U	U	.000096	U	U	.000075	J	J
Heptachlor epoxide		mg/L				.000021	J	J	.000034	J	J	.00004	J	J
Methoxychlor		mg/L				.00096	U	U	.00096	U	U	.00095	U	U
Toxaphene		mg/L				.0029	U	U	.0029	U	U	.0028	U	U
alpha-BHC		mg/L				.000096	U	U	.000096	U	U	.000095	U	U
alpha-Chlordane		mg/L				.000039	J	J	.00015		J	.000078	J	J
beta-BHC		mg/L				.000096	U	U	.000069	J	J	.000029	J	J

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
CL HERBICIDE								
SW8151A								
2,2-Dichloropropanoic Acid		mg/L						
2,4,5-T		mg/L						
2,4,5-TP		mg/L						
2,4-D		mg/L						
2,4-DB		mg/L						
Dicamba		mg/L						
Dichloroprop		mg/L						
Dinoseb		mg/L						
MCPA		mg/L						
MCPP		mg/L						

CL PESTICIDES

SW8081A								
4,4'-DDD		mg/L	.00015	J	J	.00011	J	J
4,4'-DDE		mg/L	.0002	U	U	.0002	U	U
4,4'-DDT		mg/L	.0002	U	U	.0002	U	U
Aldrin		mg/L	.000099	U	U	.0001	U	U
Dieldrin		mg/L	.0002	U	U	.0002	U	U
Endosulfan I		mg/L	.000025	J	J	.0001	U	U
Endosulfan II		mg/L	.000025	J	J	.0002	U	U
Endosulfan sulfate		mg/L	.0002	U	U	.0002	U	U
Endrin		mg/L	.00016	J	J	.00016	J	J
Endrin aldehyde		mg/L	.0002	U	U	.0002	U	U
Endrin ketone		mg/L	.0002	U	U	.0002	U	U
Heptachlor		mg/L	.000099	U	U	.0001	U	U
Heptachlor epoxide		mg/L	.000032	J	J	.000028	J	J
Methoxychlor		mg/L	.00099	U	U	.001	U	U
Toxaphene		mg/L	.003	U	U	.003	U	U
alpha-BHC		mg/L	.000099	U	U	.0001	U	U
alpha-Chlordane		mg/L	.000047	J	J	.000035	J	J
beta-BHC		mg/L	.000099	U	U	.0001	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

User Test Group		Sample Date			TEST 02			TEST 02			TEST 02			TEST 02		
Lab Method																
Parameter	Flt	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual		
CL PESTICIDES																
SW8081A																
delta-BHC		mg/L				.000096	U	U	.00003	J	J	.000095	U	U		
gamma-BHC (Lindane)		mg/L				.000096	U	U	.000038	J	J	.000049	J	J		
gamma-Chlordane		mg/L				.000037	J	J	.000096	U	U	.000095	U	U		
METALS																
SW6010B																
Aluminum		mg/L	.316						.174	J	J	1.33		J		
Antimony		mg/L	.1	U	U				.1	U	U	.1	U	U		
Arsenic		mg/L	.00238	J	B				.01	U	U	.00226	J	B		
Barium		mg/L	.00777	J	B				.0155			.0165				
Beryllium		mg/L	.01	U	U				.01	U	U	.01	U	U		
Cadmium		mg/L	.01	U	U				.01	U	U	.01	U	U		
Calcium		mg/L	4.99		B				3.52		B	3.31		B		
Chromium		mg/L	.02	U	U				.02	U	U	.02	U	U		
Cobalt		mg/L	.02	U	U				.0153	J	J	.02	U	U		
Copper		mg/L	.02	U	U				.02	U	U	.02	U	U		
Iron		mg/L	.673	J	J				.185	J	J	.878	J	J		
Lead		mg/L	.01	U	U				.01	U	U	.0015	J	J		
Magnesium		mg/L	1.61		B				1.23		B	1.21		B		
Manganese		mg/L	.0967	J	J				.637			.578				
Nickel		mg/L	.02	U	U				.02	U	U	.02	U	U		
Potassium		mg/L	1.01	J	B				1.09	J	B	.8	J	B		
Selenium		mg/L	.01	U	U				.01	U	U	.01	U	U		
Silver		mg/L	.02	U	U				.02	U	U	.02	U	U		
Sodium		mg/L	1.38		B				1.3		B	1.3		B		
Thallium		mg/L	.01	U	U				.01	U	U	.01	U	U		
Vanadium		mg/L	.02	U	U				.02	U	U	.02	U	U		
Zinc		mg/L	.1	U	U				.1	U	U	.1	U	U		
SW7470A																
Mercury		mg/L	.0005	U	U				.0005	U	U	.0005	U	U		

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Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u><i>Parameter</i></u>	<u><i>Flt</i></u>	<u><i>Units</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>
CL PESTICIDES								
SW8081A								
delta-BHC		mg/L	.000099	U	U	.0001	U	U
gamma-BHC (Lindane)		mg/L	.000021	J	J	.000023	J	J
gamma-Chlordane		mg/L	.000081	J	J	.000092	J	J

METALS

SW6010B	
Aluminum	mg/L
Antimony	mg/L
Arsenic	mg/L
Barium	mg/L
Beryllium	mg/L
Cadmium	mg/L
Calcium	mg/L
Chromium	mg/L
Cobalt	mg/L
Copper	mg/L
Iron	mg/L
Lead	mg/L
Magnesium	mg/L
Manganese	mg/L
Nickel	mg/L
Potassium	mg/L
Selenium	mg/L
Silver	mg/L
Sodium	mg/L
Thallium	mg/L
Vanadium	mg/L
Zinc	mg/L

SW7470A	
Mercury	mg/L

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
NITROAROMATICS														
SW8330														
1,3,5-Trinitrobenzene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
1,3-Dinitrobenzene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2,4,6-Trinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2,4-Dinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2,6-Dinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2-Amino-4,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2-Nitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0021			.0023	P	
3-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0014	P	
4-Amino-2,6-dinitrotoluene		mg/L	.00045			.0004	U	U	.0011			.0022	P	
HMX		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
Nitrobenzene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
RDX		mg/L	.0004	U	UJ	.0004	U	U	.0004	U	UJ	.0004	U	UJ
Tetryl		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0006	U	U

OP PESTICIDES

SW8141A														
Azinphosmethyl		mg/L				.00099	U	U	.00096	U	UJ	.00095	U	UJ
Bolstar		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Chlorpyrifos		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Coumaphos		mg/L				.00099	U	U	.00096	U	UJ	.00095	U	UJ
Demeton		mg/L				.00099	U	UJ	.00096	U	UJ	.00095	U	UJ
Diazinon		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Dichlorvos		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Dimethoate		mg/L				.00099	U	UJ	.00096	U	U	.00095	U	U
Disulfoton		mg/L				.00099	U	UJ	.00096	U	UJ	.00095	U	UJ
Ethoprop		mg/L				.00099	U	U	.00096	U	UJ	.00095	U	UJ
Famphur		mg/L				.00099	U	U	.00096	U	UJ	.00095	U	UJ
Fensulfothion		mg/L				.00099	U	UJ	.00096	U	U	.00095	U	U
Fenthion		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Malathion		mg/L				.00099	U	U	.00096	U	U	.00095	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
NITROAROMATICS								
SW8330								
1,3,5-Trinitrobenzene		mg/L	.0004	U	U	.0004	U	U
1,3-Dinitrobenzene		mg/L	.0004	U	U	.0004	U	U
2,4,6-Trinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2,4-Dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2,6-Dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2-Amino-4,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2-Nitrotoluene		mg/L	.0004	U	U	.0004	U	U
3-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U
4-Amino-2,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
HMX		mg/L	.0004	U	U	.0004	U	U
Nitrobenzene		mg/L	.0004	U	U	.0004	U	U
RDX		mg/L	.0004	U	U	.0004	U	U
Tetryl		mg/L	.0004	U	U	.0004	U	U
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U

OP PESTICIDES

SW8141A

Azinphosmethyl		mg/L	.00097	U	U	.00096	U	U
Bolstar		mg/L	.00097	U	U	.00096	U	U
Chlorpyrifos		mg/L	.00097	U	U	.00096	U	U
Coumaphos		mg/L	.00097	U	U	.00096	U	U
Demeton		mg/L	.00097	U	UJ	.00096	U	UJ
Diazinon		mg/L	.00097	U	U	.00096	U	U
Dichlorvos		mg/L	.00097	U	U	.00096	U	U
Dimethoate		mg/L	.00097	U	UJ	.00096	U	UJ
Disulfoton		mg/L	.00097	U	U	.00096	U	U
Ethoprop		mg/L	.00097	U	U	.00096	U	U
Famphur		mg/L	.00097	U	U	.00096	U	U
Fensulfothion		mg/L	.00097	U	U	.00096	U	U
Fenthion		mg/L	.00097	U	U	.00096	U	U
Malathion		mg/L	.00097	U	U	.00096	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

User Test Group

Lab Method

Parameter	Flt	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
OP PESTICIDES														
SW8141A														
Merphos		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Methyl Parathion		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Mevinphos		mg/L				.00099	U	UJ	.00096	U	U	.00095	U	U
Naled		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Parathion		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Phorate		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Ronnel		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Stirophos		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Sulfotep		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Thionazin		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Tokuthion		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
Trichloronate		mg/L				.00099	U	U	.00096	U	U	.00095	U	U
SEMIVOLATILES														
SW8270C														
1,2,4-Trichlorobenzene		mg/L							.0094	U	U	.0095	U	U
1,2-Dichlorobenzene		mg/L							.0094	U	U	.0095	U	U
1,3-Dichlorobenzene		mg/L							.0094	U	U	.0095	U	U
1,4-Dichlorobenzene		mg/L							.0094	U	U	.0095	U	U
2,4,5-Trichlorophenol		mg/L							.0094	U	U	.0095	U	U
2,4,6-Trichlorophenol		mg/L							.0094	U	U	.0095	U	U
2,4-Dichlorophenol		mg/L							.0094	U	U	.0095	U	U
2,4-Dimethylphenol		mg/L							.0094	U	U	.0095	U	U
2,4-Dinitrophenol		mg/L							.019	U	UJ	.019	U	UJ
2,4-Dinitrotoluene		mg/L							.019	U	U	.019	U	U
2,6-Dinitrotoluene		mg/L							.019	U	U	.019	U	U
2-Chloronaphthalene		mg/L							.0094	U	U	.0095	U	U
2-Chlorophenol		mg/L							.0094	U	U	.0095	U	U
2-Methylnaphthalene		mg/L							.0094	U	U	.0095	U	U
2-Methylphenol		mg/L							.0094	U	U	.0095	U	U
2-Nitroaniline		mg/L							.019	U	U	.019	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
OP PESTICIDES								
SW8141A								
Merphos		mg/L	.00097	U	U	.00096	U	U
Methyl Parathion		mg/L	.00097	U	U	.00096	U	U
Mevinphos		mg/L	.00097	U	U	.00096	U	U
Naled		mg/L	.00097	U	U	.00096	U	U
Parathion		mg/L	.00097	U	U	.00096	U	U
Phorate		mg/L	.00097	U	U	.00096	U	U
Ronnel		mg/L	.00097	U	U	.00096	U	U
Stirophos		mg/L	.00097	U	U	.00096	U	U
Sulfotep		mg/L	.00097	U	U	.00096	U	U
Thionazin		mg/L	.00097	U	U	.00096	U	U
Tokuthion		mg/L	.00097	U	U	.00096	U	U
Trichloronate		mg/L	.00097	U	U	.00096	U	U

SEMIVOLATILES

SW8270C

1,2,4-Trichlorobenzene	mg/L
1,2-Dichlorobenzene	mg/L
1,3-Dichlorobenzene	mg/L
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dichlorophenol	mg/L
2,4-Dimethylphenol	mg/L
2,4-Dinitrophenol	mg/L
2,4-Dinitrotoluene	mg/L
2,6-Dinitrotoluene	mg/L
2-Chloronaphthalene	mg/L
2-Chlorophenol	mg/L
2-Methylnaphthalene	mg/L
2-Methylphenol	mg/L
2-Nitroaniline	mg/L

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

User Test Group

Lab Method

Parameter	Flt	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES														
SW8270C														
2-Nitrophenol		mg/L							.0094	U	U	.0095	U	U
3,3'-Dichlorobenzidine		mg/L							.0094	U	U	.0095	U	U
3-Nitroaniline		mg/L							.0094	U	U	.0095	U	U
4,6-Dinitro-2-methylphenol		mg/L							.019	U	UJ	.019	U	UJ
4-Bromophenyl phenyl ether		mg/L							.019	U	U	.019	U	U
4-Chloro-3-methylphenol		mg/L							.0094	U	U	.0095	U	U
4-Chloroaniline		mg/L							.0094	U	U	.0095	U	U
4-Chlorophenyl phenyl ether		mg/L							.0094	U	U	.0095	U	U
4-Methylphenol		mg/L							.0094	U	U	.0095	U	U
4-Nitroaniline		mg/L							.0094	U	U	.0095	U	U
4-Nitrophenol		mg/L							.0094	U	U	.0095	U	U
Acenaphthene		mg/L							.0094	U	U	.0095	U	U
Acenaphthylene		mg/L							.0094	U	U	.0095	U	U
Anthracene		mg/L							.0094	U	U	.0095	U	U
Benzo(a)anthracene		mg/L							.0094	U	U	.0095	U	U
Benzo(a)pyrene		mg/L							.0094	U	U	.0095	U	U
Benzo(b)fluoranthene		mg/L							.0094	U	U	.0095	U	U
Benzo(ghi)perylene		mg/L							.0094	U	U	.0095	U	U
Benzo(k)fluoranthene		mg/L							.0094	U	U	.0095	U	U
Bis(2-Chloroethoxy)methane		mg/L							.0094	U	U	.0095	U	U
Bis(2-Chloroethyl)ether		mg/L							.0094	U	U	.0095	U	U
Bis(2-Chloroisopropyl)ether		mg/L							.0094	U	U	.0095	U	U
Bis(2-Ethylhexyl)phthalate		mg/L							.019	U	U	.019	U	U
Butyl benzyl phthalate		mg/L							.0094	U	U	.0095	U	U
Carbazole		mg/L							.0094	U	U	.0095	U	U
Chrysene		mg/L							.0094	U	U	.0095	U	U
Di-n-butyl phthalate		mg/L							.0094	U	U	.0095	U	U
Di-n-octyl phthalate		mg/L							.0094	U	U	.0095	U	U
Dibenz(a,h)anthracene		mg/L							.0094	U	U	.0095	U	U
Dibenzofuran		mg/L							.0094	U	U	.0095	U	U
Diethyl phthalate		mg/L							.019	U	U	.019	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
SEMIVOLATILES								
SW8270C								
2-Nitrophenol		mg/L						
3,3'-Dichlorobenzidine		mg/L						
3-Nitroaniline		mg/L						
4,6-Dinitro-2-methylphenol		mg/L						
4-Bromophenyl phenyl ether		mg/L						
4-Chloro-3-methylphenol		mg/L						
4-Chloroaniline		mg/L						
4-Chlorophenyl phenyl ether		mg/L						
4-Methylphenol		mg/L						
4-Nitroaniline		mg/L						
4-Nitrophenol		mg/L						
Acenaphthene		mg/L						
Acenaphthylene		mg/L						
Anthracene		mg/L						
Benzo(a)anthracene		mg/L						
Benzo(a)pyrene		mg/L						
Benzo(b)fluoranthene		mg/L						
Benzo(ghi)perylene		mg/L						
Benzo(k)fluoranthene		mg/L						
Bis(2-Chloroethoxy)methane		mg/L						
Bis(2-Chloroethyl)ether		mg/L						
Bis(2-Chloroisopropyl)ether		mg/L						
Bis(2-Ethylhexyl)phthalate		mg/L						
Butyl benzyl phthalate		mg/L						
Carbazole		mg/L						
Chrysene		mg/L						
Di-n-butyl phthalate		mg/L						
Di-n-octyl phthalate		mg/L						
Dibenz(a,h)anthracene		mg/L						
Dibenzofuran		mg/L						
Diethyl phthalate		mg/L						

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

User Test Group		Sample Date: 10/11/11												
Lab Method														
Parameter	Flt	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES														
SW8270C														
Dimethyl phthalate		mg/L							.019	U	U	.019	U	U
Fluoranthene		mg/L							.0094	U	U	.0095	U	U
Fluorene		mg/L							.0094	U	U	.0095	U	U
Hexachlorobenzene		mg/L							.019	U	U	.019	U	U
Hexachlorobutadiene		mg/L							.0094	U	U	.0095	U	U
Hexachlorocyclopentadiene		mg/L							.0094	U	U	.0095	U	U
Hexachloroethane		mg/L							.0094	U	U	.0095	U	U
Indeno(1,2,3-cd)pyrene		mg/L							.0094	U	U	.0095	U	U
Isophorone		mg/L							.0094	U	U	.0095	U	U
N-Nitroso-di-n-propylamine		mg/L							.0094	U	U	.0095	U	U
N-Nitrosodiphenylamine		mg/L							.0094	U	U	.0095	U	U
Naphthalene		mg/L							.0094	U	U	.0095	U	U
Nitrobenzene		mg/L							.0094	U	U	.0095	U	U
Pentachlorophenol		mg/L							.019	U	U	.019	U	U
Phenanthrene		mg/L							.019	U	U	.019	U	U
Phenol		mg/L							.0094	U	U	.0095	U	U
Pyrene		mg/L							.0094	U	U	.0095	U	U
VOLATILES														
SW8260B														
1,1,1,2-Tetrachloroethane		mg/L							.001	U	U	.001	U	U
1,1,1-Trichloroethane		mg/L							.001	U	U	.001	U	U
1,1,2,2-Tetrachloroethane		mg/L							.001	U	U	.001	U	U
1,1,2-Trichloroethane		mg/L							.001	U	U	.001	U	U
1,1-Dichloroethane		mg/L							.001	U	U	.001	U	U
1,1-Dichloroethene		mg/L							.001	U	U	.001	U	U
1,1-Dichloropropene		mg/L							.001	U	U	.001	U	U
1,2,3-Trichlorobenzene		mg/L							.001	U	U	.001	U	U
1,2,3-Trichloropropane		mg/L							.001	U	UJ	.001	U	UJ
1,2,4-Trichlorobenzene		mg/L							.001	U	U	.001	U	U
1,2,4-Trimethylbenzene		mg/L							.001	U	U	.001	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u><i>Parameter</i></u>	<u><i>Flt</i></u>	<u><i>Units</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>
SEMIVOLATILES								
SW8270C								
Dimethyl phthalate		mg/L						
Fluoranthene		mg/L						
Fluorene		mg/L						
Hexachlorobenzene		mg/L						
Hexachlorobutadiene		mg/L						
Hexachlorocyclopentadiene		mg/L						
Hexachloroethane		mg/L						
Indeno(1,2,3-cd)pyrene		mg/L						
Isophorone		mg/L						
N-Nitroso-di-n-propylamine		mg/L						
N-Nitrosodiphenylamine		mg/L						
Naphthalene		mg/L						
Nitrobenzene		mg/L						
Pentachlorophenol		mg/L						
Phenanthrene		mg/L						
Phenol		mg/L						
Pyrene		mg/L						

VOLATILES

SW8260B

1,1,1,2-Tetrachloroethane	mg/L
1,1,1-Trichloroethane	mg/L
1,1,2,2-Tetrachloroethane	mg/L
1,1,2-Trichloroethane	mg/L
1,1-Dichloroethane	mg/L
1,1-Dichloroethene	mg/L
1,1-Dichloropropene	mg/L
1,2,3-Trichlorobenzene	mg/L
1,2,3-Trichloropropane	mg/L
1,2,4-Trichlorobenzene	mg/L
1,2,4-Trimethylbenzene	mg/L

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No.:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES														
SW8260B														
1,2-Dibromo-3-Chloropropane		mg/L							.002	U	R	.002	U	R
1,2-Dibromoethane		mg/L							.001	U	U	.001	U	U
1,2-Dichlorobenzene		mg/L							.001	U	U	.001	U	U
1,2-Dichloroethane		mg/L							.001	U	U	.001	U	U
1,2-Dichloropropane		mg/L							.001	U	U	.001	U	U
1,2-Dimethylbenzene		mg/L							.001	U	U	.001	U	U
1,3,5-Trimethylbenzene		mg/L							.001	U	U	.001	U	U
1,3-Dichlorobenzene		mg/L							.001	U	U	.001	U	U
1,3-Dichloropropane		mg/L							.001	U	U	.001	U	U
1,4-Dichlorobenzene		mg/L							.005	U	U	.005	U	U
2-Butanone		mg/L							.01	U	R	.01	U	R
2-Hexanone		mg/L							.01	U	R	.01	U	R
4-Methyl-2-pentanone		mg/L							.01	U	R	.01	U	R
Acetone		mg/L							.01	U	R	.01	U	R
Benzene		mg/L							.001	U	U	.001	U	U
Bromobenzene		mg/L							.001	U	U	.001	U	U
Bromochloromethane		mg/L							.001	U	U	.001	U	U
Bromodichloromethane		mg/L							.001	U	U	.001	U	U
Bromoform		mg/L							.001	U	U	.001	U	U
Bromomethane		mg/L							.001	U	U	.001	U	U
Carbon disulfide		mg/L							.001	U	U	.001	U	U
Carbon tetrachloride		mg/L							.001	U	U	.001	U	U
Chlorobenzene		mg/L							.001	U	U	.001	U	U
Chloroethane		mg/L							.001	U	U	.001	U	U
Chloroform		mg/L							.001	U	U	.001	U	U
Chloromethane		mg/L							.001	U	U	.001	U	U
Cis-1,2-Dichloroethene		mg/L							.001	U	U	.001	U	U
Cis-1,3-Dichloropropene		mg/L							.001	U	U	.001	U	U
Cumene		mg/L							.001	U	U	.001	U	U
Dibromochloromethane		mg/L							.001	U	U	.001	U	U
Dibromomethane		mg/L							.001	U	U	.001	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES								
SW8260B								
1,2-Dibromo-3-Chloropropane		mg/L						
1,2-Dibromoethane		mg/L						
1,2-Dichlorobenzene		mg/L						
1,2-Dichloroethane		mg/L						
1,2-Dichloropropane		mg/L						
1,2-Dimethylbenzene		mg/L						
1,3,5-Trimethylbenzene		mg/L						
1,3-Dichlorobenzene		mg/L						
1,3-Dichloropropane		mg/L						
1,4-Dichlorobenzene		mg/L						
2-Butanone		mg/L						
2-Hexanone		mg/L						
4-Methyl-2-pentanone		mg/L						
Acetone		mg/L						
Benzene		mg/L						
Bromobenzene		mg/L						
Bromochloromethane		mg/L						
Bromodichloromethane		mg/L						
Bromoform		mg/L						
Bromomethane		mg/L						
Carbon disulfide		mg/L						
Carbon tetrachloride		mg/L						
Chlorobenzene		mg/L						
Chloroethane		mg/L						
Chloroform		mg/L						
Chloromethane		mg/L						
Cis-1,2-Dichloroethene		mg/L						
Cis-1,3-Dichloropropene		mg/L						
Cumene		mg/L						
Dibromochloromethane		mg/L						
Dibromomethane		mg/L						

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW01	IMP-IASPOW-MW01	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3001	QG3004	QG3002	QG3003
<i>Sample Date:</i>	23-APR-02	02-OCT-02	24-APR-02	24-APR-02

User Test Group

Lab Method

<u>Parameter</u>	<u>Flt</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
VOLATILES														
SW8260B														
Dichlorodifluoromethane		mg/L							.001	U	UJ	.001	U	UJ
Ethylbenzene		mg/L							.001	U	U	.001	U	U
Hexachlorobutadiene		mg/L							.001	U	U	.001	U	U
Methylene chloride		mg/L							.002	U	U	.002	U	U
N-Butylbenzene		mg/L							.001	U	U	.001	U	U
N-Propylbenzene		mg/L							.001	U	U	.001	U	U
Naphthalene		mg/L							.001	U	U	.001	U	U
Styrene		mg/L							.001	U	U	.001	U	U
Tetrachloroethene		mg/L							.001	U	U	.001	U	U
Toluene		mg/L							.001	U	U	.001	U	U
Trans-1,2-Dichloroethene		mg/L							.001	U	U	.001	U	U
Trans-1,3-Dichloropropene		mg/L							.001	U	U	.001	U	U
Trichloroethene		mg/L							.001	U	U	.001	U	U
Trichlorofluoromethane		mg/L							.001	U	U	.001	U	U
Vinyl chloride		mg/L							.001	U	U	.001	U	U
m,p-Xylenes		mg/L							.002	U	U	.002	U	U
o-Chlorotoluene		mg/L							.001	U	U	.001	U	U
p-Chlorotoluene		mg/L							.001	U	U	.001	U	U
p-Cymene		mg/L							.001	U	U	.001	U	U
sec-Butylbenzene		mg/L							.001	U	U	.001	U	U
sec-Dichloropropane		mg/L							.001	U	U	.001	U	U
tert-Butylbenzene		mg/L							.001	U	U	.001	U	U

Summary of Validated Groundwater Analytical Data
Small Arms Impact Area, South of Former POW Training Area
Fort McClellan, Alabama

Report Date: 03/26/03

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<i>Location Code:</i>	IMP-IASPOW-MW02	IMP-IASPOW-MW02
<i>Associated Site:</i>	IMP-IASPOW	IMP-IASPOW
<i>Sample No:</i>	QG3005	QG3006
<i>Sample Date:</i>	24-SEP-02	24-SEP-02

User Test Group

Lab Method

<u><i>Parameter</i></u>	<u><i>Flt</i></u>	<u><i>Units</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>	<u><i>Result</i></u>	<u><i>Qual</i></u>	<u><i>VQual</i></u>
VOLATILES								
SW8260B								
Dichlorodifluoromethane		mg/L						
Ethylbenzene		mg/L						
Hexachlorobutadiene		mg/L						
Methylene chloride		mg/L						
N-Butylbenzene		mg/L						
N-Propylbenzene		mg/L						
Naphthalene		mg/L						
Styrene		mg/L						
Tetrachloroethene		mg/L						
Toluene		mg/L						
Trans-1,2-Dichloroethene		mg/L						
Trans-1,3-Dichloropropene		mg/L						
Trichloroethene		mg/L						
Trichlorofluoromethane		mg/L						
Vinyl chloride		mg/L						
m,p-Xylenes		mg/L						
o-Chlorotoluene		mg/L						
p-Chlorotoluene		mg/L						
p-Cymene		mg/L						
sec-Butylbenzene		mg/L						
sec-Dichloropropane		mg/L						
tert-Butylbenzene		mg/L						

Qualifier	Qualifier Description
J	Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
B	Compound was found in the blank and sample.
P	Gas chromatography or high-performance liquid chromatography confirmation criteria exceeded.
R	Data is not useable
U	Indicates the analyte was analyzed for but not detected.

2022 Analytical Data

ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-210170-1

Client Project/Site: Parcels 100Q & 101Q Impact Area
Revision: 1

For:

Matrix Environmental Services, LLC
707 17th Street
Suite 3150
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
2/1/2022 5:33:51 PM

Noel Savoie, Project Manager I
(850)254-0107

Noel.Savoie@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Qualifiers

Metals

Qualifier	Qualifier Description
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-210170-1	IA-GP10COMP-2021	Solid	01/14/22 14:01	01/18/22 10:20
680-210170-2	IA-GP12COMP-2021	Solid	01/14/22 11:34	01/18/22 10:20
680-210170-3	IA-GP15COMP-2021	Solid	01/14/22 10:00	01/18/22 10:20
680-210170-4	IA-GP10COMP-2021	Solid	01/14/22 15:00	01/18/22 10:20
680-210170-5	IA-GP12COMP-2021	Solid	01/14/22 13:20	01/18/22 10:20
680-210170-6	IA-GP15COMP-2021	Solid	01/14/22 11:02	01/18/22 10:20
680-210170-7	DUP 3998	Solid	01/14/22 00:00	01/18/22 10:20
680-210170-8	EB 141	Water	01/15/22 14:35	01/18/22 10:20

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Job ID: 680-210170-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-210170-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 1/27/2022. The report (revision 1) is being revised due to client request. Method was not requested clearly on the chain of custody.

Receipt

The samples were received on 1/18/2022 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

Metals

Method 6020B: The interference check standard solution (ICSA) associated with batch 680-703585 had results for one or more elements at a level greater than 2 times the limit of detection (LOD). The vendor acknowledges that these elements are trace impurities in the ICSA standard. These results are not indicative of a matrix interference.

Method 6020B: The interference check standard solution (ICSA) associated with the following samples showed results for chromium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. (ICSA 680-703673/14)

Method 6020B: The interference check standard solution (ICSA) associated with the following samples showed results for strontium and chromium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. (ICSA 680-703843/11)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: IA-GP10COMP-2021

Lab Sample ID: 680-210170-1

Date Collected: 01/14/22 14:01

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 83.9

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9600		11	2.3	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Antimony	5.0		1.1	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Arsenic	8.5		0.32	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Barium	120		0.54	0.065	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Beryllium	0.72		0.054	0.016	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Cadmium	0.062		0.054	0.016	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Calcium	420		54	6.8	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Chromium	10	^6+ F1	1.1	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Cobalt	7.6	B	0.054	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Copper	87		0.54	0.14	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Iron	19000		27	3.8	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Lead	280		0.22	0.054	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Magnesium	340		27	3.6	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Manganese	2500		11	1.3	mg/Kg	☆	01/18/22 15:17	01/20/22 15:16	10
Nickel	7.0		1.1	0.28	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Potassium	430		27	9.9	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Selenium	3.6		0.54	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Silver	0.030	J	0.11	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Sodium	11	U	43	11	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Thallium	0.21		0.11	0.054	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Vanadium	24	F1	0.54	0.29	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Zinc	30		2.2	1.1	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1
Tin	1.5	U	11	1.5	mg/Kg	☆	01/18/22 15:17	01/19/22 13:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.026	0.0082	mg/Kg	☆	01/31/22 08:18	01/31/22 13:17	1

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-2

Date Collected: 01/14/22 11:34

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 75.6

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	2.5	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Antimony	6.9		1.2	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Arsenic	8.8		0.36	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Barium	61		0.61	0.073	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Beryllium	0.55		0.061	0.018	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Cadmium	0.045	J	0.061	0.018	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Calcium	280		61	7.6	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Chromium	26	^6+	1.2	0.13	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Cobalt	8.6	B	0.061	0.012	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Copper	100		0.61	0.16	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Iron	23000		30	4.2	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Lead	320		0.24	0.061	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Magnesium	370		30	4.0	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Manganese	1300		1.2	0.15	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Nickel	8.4		1.2	0.32	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Potassium	360		30	11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-2

Date Collected: 01/14/22 11:34

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 75.6

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.8		0.61	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Silver	0.037	J	0.12	0.012	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Sodium	12	U	49	12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Thallium	0.23		0.12	0.061	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Vanadium	32		0.61	0.33	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Zinc	35		2.4	1.2	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1
Tin	1.7	U	12	1.7	mg/Kg	☆	01/18/22 15:17	01/19/22 14:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.028	0.0091	mg/Kg	☆	01/31/22 08:18	01/31/22 13:27	1

Client Sample ID: IA-GP15COMP-2021

Lab Sample ID: 680-210170-3

Date Collected: 01/14/22 10:00

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 100.0

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		8.9	1.9	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Antimony	5.8		0.89	0.089	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Arsenic	10		0.27	0.089	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Barium	77		0.45	0.054	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Beryllium	0.67		0.045	0.013	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Cadmium	0.074		0.045	0.013	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Calcium	410		45	5.6	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Chromium	20	^6+	0.89	0.098	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Cobalt	9.2	B	0.045	0.0089	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Copper	99		0.45	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Iron	29000		22	3.1	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Lead	430		0.18	0.045	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Magnesium	340		22	2.9	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Manganese	1700		8.9	1.1	mg/Kg	☆	01/18/22 15:17	01/20/22 15:29	10
Nickel	9.2		0.89	0.23	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Potassium	300		22	8.1	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Selenium	1.8		0.45	0.089	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Silver	0.032	J	0.089	0.0089	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Sodium	9.0	J	36	8.9	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Thallium	0.28		0.089	0.045	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Vanadium	37		0.45	0.24	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Zinc	51		1.8	0.89	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1
Tin	1.3	U	8.9	1.3	mg/Kg	☆	01/18/22 15:17	01/19/22 14:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.022	0.0070	mg/Kg	☆	01/31/22 08:18	01/31/22 13:31	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: IA-GP10COMP-2021

Lab Sample ID: 680-210170-4

Date Collected: 01/14/22 15:00

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 86.0

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19000		11	2.4	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Antimony	0.73	J	1.1	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Arsenic	11		0.34	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Barium	41		0.57	0.068	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Beryllium	0.44		0.057	0.017	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Cadmium	0.019	J	0.057	0.017	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Calcium	200		57	7.2	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Chromium	18	^6+	1.1	0.13	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Cobalt	9.3	B	0.057	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Copper	8.8		0.57	0.15	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Iron	31000		28	4.0	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Lead	30		0.23	0.057	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Magnesium	460		28	3.8	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Manganese	1200		1.1	0.14	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Nickel	8.4		1.1	0.30	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Potassium	440		28	10	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Selenium	1.1		0.57	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Silver	0.031	J	0.11	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Sodium	11	U	46	11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Thallium	0.30		0.11	0.057	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Vanadium	46		0.57	0.31	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Zinc	19		2.3	1.1	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1
Tin	1.6	U	11	1.6	mg/Kg	☆	01/18/22 15:17	01/19/22 14:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.096		0.025	0.0082	mg/Kg	☆	01/31/22 08:18	01/31/22 13:34	1

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-5

Date Collected: 01/14/22 13:20

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 86.4

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		10	2.1	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Antimony	0.48	J	1.0	0.10	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Arsenic	6.3		0.30	0.10	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Barium	24		0.50	0.060	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Beryllium	0.26		0.050	0.015	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Cadmium	0.015	U	0.050	0.015	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Calcium	54		50	6.3	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Chromium	18	^6+	1.0	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Cobalt	1.9	B	0.050	0.010	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Copper	7.0		0.50	0.13	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Iron	22000		25	3.5	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Lead	11		0.20	0.050	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Magnesium	280		25	3.3	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Manganese	120		1.0	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Nickel	5.0		1.0	0.26	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Potassium	340		25	9.1	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-5

Date Collected: 01/14/22 13:20

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 86.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.76		0.50	0.10	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Silver	0.017	J	0.10	0.010	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Sodium	10	U	40	10	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Thallium	0.18		0.10	0.050	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Vanadium	32		0.50	0.27	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Zinc	13		2.0	1.0	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1
Tin	1.4	U	10	1.4	mg/Kg	☆	01/18/22 15:17	01/19/22 14:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.026	0.0084	mg/Kg	☆	01/31/22 08:18	01/31/22 13:38	1

Client Sample ID: IA-GP15COMP-2021

Lab Sample ID: 680-210170-6

Date Collected: 01/14/22 11:02

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 83.5

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19000		11	2.2	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Antimony	1.0	J	1.1	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Arsenic	15		0.32	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Barium	32		0.53	0.063	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Beryllium	0.57		0.053	0.016	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Cadmium	0.019	J	0.053	0.016	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Calcium	120		53	6.6	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Chromium	37	^6+	1.1	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Cobalt	8.6	B	0.053	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Copper	12		0.53	0.14	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Iron	46000		260	37	mg/Kg	☆	01/18/22 15:17	01/27/22 10:34	10
Lead	24		0.21	0.053	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Magnesium	360		26	3.5	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Manganese	420		1.1	0.13	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Nickel	7.3		1.1	0.27	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Potassium	330		26	9.6	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Selenium	0.86		0.53	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Silver	0.026	J	0.11	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Sodium	11	U	42	11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Thallium	0.28		0.11	0.053	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Vanadium	74		0.53	0.28	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Zinc	22		2.1	1.1	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1
Tin	1.5	U	11	1.5	mg/Kg	☆	01/18/22 15:17	01/19/22 14:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.028	0.0090	mg/Kg	☆	01/31/22 08:18	01/31/22 13:49	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: DUP 3998

Lab Sample ID: 680-210170-7

Date Collected: 01/14/22 00:00

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 85.4

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20000		11	2.2	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Antimony	0.74	J	1.1	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Arsenic	10		0.32	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Barium	42		0.53	0.064	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Beryllium	0.50		0.053	0.016	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Cadmium	0.020	J	0.053	0.016	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Calcium	200		53	6.7	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Chromium	16	^6+	1.1	0.12	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Cobalt	9.1	B	0.053	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Copper	8.9		0.53	0.14	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Iron	32000		27	3.7	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Lead	30		0.21	0.053	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Magnesium	470		27	3.5	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Manganese	1100		1.1	0.13	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Nickel	8.5		1.1	0.28	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Potassium	440		27	9.7	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Selenium	1.2		0.53	0.11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Silver	0.031	J	0.11	0.011	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Sodium	11	U	43	11	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Thallium	0.30		0.11	0.053	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Vanadium	47		0.53	0.29	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Zinc	20		2.1	1.1	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1
Tin	1.5	U	11	1.5	mg/Kg	☆	01/18/22 15:17	01/19/22 14:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.090		0.027	0.0085	mg/Kg	☆	01/31/22 08:18	01/31/22 13:52	1

Client Sample ID: EB 141

Lab Sample ID: 680-210170-8

Date Collected: 01/15/22 14:35

Matrix: Water

Date Received: 01/18/22 10:20

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	U	5.0	0.50	ug/L		01/19/22 09:18	01/19/22 21:50	1
Arsenic	1.5	U	3.0	1.5	ug/L		01/19/22 09:18	01/19/22 21:50	1
Barium	0.61	U	5.0	0.61	ug/L		01/19/22 09:18	01/19/22 21:50	1
Beryllium	0.17	U	0.50	0.17	ug/L		01/19/22 09:18	01/19/22 21:50	1
Cadmium	0.15	U	0.50	0.15	ug/L		01/19/22 09:18	01/19/22 21:50	1
Chromium	1.6	U ^6+	5.0	1.6	ug/L		01/19/22 09:18	01/19/22 21:50	1
Cobalt	0.12	U	0.50	0.12	ug/L		01/19/22 09:18	01/19/22 21:50	1
Copper	1.7	U	5.0	1.7	ug/L		01/19/22 09:18	01/19/22 21:50	1
Lead	0.98	U	2.5	0.98	ug/L		01/19/22 09:18	01/19/22 21:50	1
Nickel	1.9	U	5.0	1.9	ug/L		01/19/22 09:18	01/19/22 21:50	1
Selenium	1.0	U	2.5	1.0	ug/L		01/19/22 09:18	01/19/22 21:50	1
Silver	0.10	U	1.0	0.10	ug/L		01/19/22 09:18	01/19/22 21:50	1
Thallium	0.49	U	1.0	0.49	ug/L		01/19/22 09:18	01/19/22 21:50	1
Vanadium	5.3	U	10	5.3	ug/L		01/19/22 09:18	01/19/22 21:50	1
Zinc	9.6	U	20	9.6	ug/L		01/19/22 09:18	01/19/22 21:50	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: EB 141

Date Collected: 01/15/22 14:35

Date Received: 01/18/22 10:20

Lab Sample ID: 680-210170-8

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		01/31/22 14:42	02/01/22 11:31	1

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-703427/1-A

Matrix: Solid

Analysis Batch: 703585

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 703427

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.1	U	9.8	2.1	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Aluminum	2.1	U	9.8	2.1	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Antimony	0.098	U	0.98	0.098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Antimony	0.098	U	0.98	0.098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Arsenic	0.098	U	0.29	0.098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Arsenic	0.098	U	0.29	0.098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Barium	0.059	U	0.49	0.059	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Barium	0.059	U	0.49	0.059	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Beryllium	0.015	U	0.049	0.015	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Beryllium	0.015	U	0.049	0.015	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Cadmium	0.015	U	0.049	0.015	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Cadmium	0.015	U	0.049	0.015	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Calcium	6.2	U	49	6.2	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Calcium	6.2	U	49	6.2	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Chromium	0.11	U ^6+	0.98	0.11	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Chromium	0.11	U ^6+	0.98	0.11	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Cobalt	0.0167	J	0.049	0.0098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Cobalt	0.0167	J	0.049	0.0098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Copper	0.13	U	0.49	0.13	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Copper	0.13	U	0.49	0.13	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Iron	3.4	U	25	3.4	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Iron	3.4	U	25	3.4	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Lead	0.049	U	0.20	0.049	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Lead	0.049	U	0.20	0.049	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Magnesium	3.2	U	25	3.2	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Magnesium	3.2	U	25	3.2	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Manganese	0.12	U	0.98	0.12	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Manganese	0.12	U	0.98	0.12	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Nickel	0.25	U	0.98	0.25	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Nickel	0.25	U	0.98	0.25	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Potassium	8.9	U	25	8.9	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Potassium	8.9	U	25	8.9	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Selenium	0.098	U	0.49	0.098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Selenium	0.098	U	0.49	0.098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Silver	0.0098	U	0.098	0.0098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Silver	0.0098	U	0.098	0.0098	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Sodium	9.8	U	39	9.8	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Sodium	9.8	U	39	9.8	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Thallium	0.049	U	0.098	0.049	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Thallium	0.049	U	0.098	0.049	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Vanadium	0.26	U	0.49	0.26	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Vanadium	0.26	U	0.49	0.26	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Zinc	0.98	U	2.0	0.98	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Zinc	0.98	U	2.0	0.98	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Tin	1.4	U	9.8	1.4	mg/Kg		01/18/22 15:17	01/19/22 13:53	1
Tin	1.4	U	9.8	1.4	mg/Kg		01/18/22 15:17	01/19/22 13:53	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-703427/2-A

Matrix: Solid

Analysis Batch: 703585

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 703427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	500	534		mg/Kg		107	80 - 120
Aluminum	500	534		mg/Kg		107	80 - 120
Antimony	5.00	5.65		mg/Kg		113	80 - 120
Antimony	5.00	5.65		mg/Kg		113	80 - 120
Arsenic	10.0	10.6		mg/Kg		106	80 - 120
Arsenic	10.0	10.6		mg/Kg		106	80 - 120
Barium	10.0	10.3		mg/Kg		103	80 - 120
Barium	10.0	10.3		mg/Kg		103	80 - 120
Beryllium	5.00	5.34		mg/Kg		107	80 - 120
Beryllium	5.00	5.34		mg/Kg		107	80 - 120
Cadmium	5.00	5.29		mg/Kg		106	80 - 120
Cadmium	5.00	5.29		mg/Kg		106	80 - 120
Calcium	500	558		mg/Kg		112	80 - 120
Calcium	500	558		mg/Kg		112	80 - 120
Chromium	10.0	11.0	^6+	mg/Kg		110	80 - 120
Chromium	10.0	11.0	^6+	mg/Kg		110	80 - 120
Cobalt	5.00	5.42		mg/Kg		109	80 - 120
Cobalt	5.00	5.42		mg/Kg		109	80 - 120
Copper	9.91	11.4		mg/Kg		115	80 - 120
Copper	9.91	11.1		mg/Kg		112	80 - 120
Iron	500	550		mg/Kg		110	80 - 120
Iron	500	550		mg/Kg		110	80 - 120
Lead	50.5	55.7		mg/Kg		110	80 - 120
Lead	50.5	55.7		mg/Kg		110	80 - 120
Magnesium	501	579		mg/Kg		116	80 - 120
Magnesium	501	579		mg/Kg		116	80 - 120
Manganese	40.0	43.6		mg/Kg		109	80 - 120
Manganese	40.0	43.6		mg/Kg		109	80 - 120
Nickel	9.90	11.0		mg/Kg		111	80 - 120
Nickel	9.90	11.0		mg/Kg		111	80 - 120
Potassium	697	779		mg/Kg		112	80 - 120
Potassium	697	779		mg/Kg		112	80 - 120
Selenium	10.0	10.7		mg/Kg		106	80 - 120
Selenium	10.0	10.7		mg/Kg		106	80 - 120
Silver	5.00	5.32		mg/Kg		106	80 - 120
Silver	5.00	5.32		mg/Kg		106	80 - 120
Sodium	505	601		mg/Kg		119	80 - 120
Sodium	505	601		mg/Kg		119	80 - 120
Thallium	4.00	4.28		mg/Kg		107	80 - 120
Thallium	4.00	4.28		mg/Kg		107	80 - 120
Vanadium	9.98	10.6		mg/Kg		106	80 - 120
Vanadium	9.98	10.6		mg/Kg		106	80 - 120
Zinc	10.0	10.8		mg/Kg		108	80 - 120
Zinc	10.0	10.8		mg/Kg		108	80 - 120
Tin	9.99	10.5		mg/Kg		105	80 - 120
Tin	9.99	10.5		mg/Kg		105	80 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-210170-1 MS

Matrix: Solid

Analysis Batch: 703673

Client Sample ID: IA-GP10COMP-2021

Prep Type: Total/NA

Prep Batch: 703427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9600		526	11400	4	mg/Kg	✱	353	75 - 125
Antimony	5.0		5.26	11.4		mg/Kg	✱	123	75 - 125
Arsenic	8.5		10.5	20.2		mg/Kg	✱	111	75 - 125
Barium	120		10.5	139	4	mg/Kg	✱	205	75 - 125
Beryllium	0.72		5.26	6.43		mg/Kg	✱	108	75 - 125
Cadmium	0.062		5.26	5.86		mg/Kg	✱	110	75 - 125
Calcium	420		526	999		mg/Kg	✱	110	75 - 125
Chromium	10	^6+ F1	10.5	23.6	F1 ^6+	mg/Kg	✱	127	75 - 125
Cobalt	7.6	B	5.26	13.7		mg/Kg	✱	118	75 - 125
Copper	87		10.4	105	4	mg/Kg	✱	171	75 - 125
Iron	19000		526	21200	4	mg/Kg	✱	371	75 - 125
Lead	280		53.1	357	4	mg/Kg	✱	144	75 - 125
Magnesium	340		527	953		mg/Kg	✱	116	75 - 125
Nickel	7.0		10.4	19.6		mg/Kg	✱	120	75 - 125
Potassium	430		734	1230		mg/Kg	✱	109	75 - 125
Selenium	3.6		10.5	14.3		mg/Kg	✱	101	75 - 125
Silver	0.030	J	5.26	5.82		mg/Kg	✱	110	75 - 125
Sodium	11	U	531	623		mg/Kg	✱	117	75 - 125
Thallium	0.21		4.21	4.82		mg/Kg	✱	110	75 - 125
Vanadium	24	F1	10.5	37.7	F1	mg/Kg	✱	127	75 - 125
Zinc	30		10.5	42.4		mg/Kg	✱	121	75 - 125
Tin	1.5	U	10.5	12.0		mg/Kg	✱	114	75 - 125

Lab Sample ID: 680-210170-1 MS

Matrix: Solid

Analysis Batch: 703843

Client Sample ID: IA-GP10COMP-2021

Prep Type: Total/NA

Prep Batch: 703427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	2500		42.1	2340	4	mg/Kg	✱	-451	75 - 125

Lab Sample ID: 680-210170-1 MSD

Matrix: Solid

Analysis Batch: 703673

Client Sample ID: IA-GP10COMP-2021

Prep Type: Total/NA

Prep Batch: 703427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aluminum	9600		526	10900	4	mg/Kg	✱	254	75 - 125	5	20
Antimony	5.0		5.25	10.5		mg/Kg	✱	106	75 - 125	8	20
Arsenic	8.5		10.5	19.3		mg/Kg	✱	103	75 - 125	4	20
Barium	120		10.5	131	4	mg/Kg	✱	132	75 - 125	6	20
Beryllium	0.72		5.26	5.91		mg/Kg	✱	99	75 - 125	8	20
Cadmium	0.062		5.26	5.59		mg/Kg	✱	105	75 - 125	5	20
Calcium	420		526	979		mg/Kg	✱	106	75 - 125	2	20
Chromium	10	^6+ F1	10.5	22.2	^6+	mg/Kg	✱	114	75 - 125	6	20
Cobalt	7.6	B	5.25	12.8		mg/Kg	✱	100	75 - 125	7	20
Copper	87		10.4	101	4	mg/Kg	✱	132	75 - 125	4	20
Iron	19000		526	20200	4	mg/Kg	✱	189	75 - 125	5	20
Lead	280		53.1	333	4	mg/Kg	✱	99	75 - 125	7	20
Magnesium	340		527	932		mg/Kg	✱	112	75 - 125	2	20
Nickel	7.0		10.4	18.6		mg/Kg	✱	111	75 - 125	5	20

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-210170-1 MSD

Matrix: Solid

Analysis Batch: 703673

Client Sample ID: IA-GP10COMP-2021

Prep Type: Total/NA

Prep Batch: 703427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Potassium	430		733	1180		mg/Kg	✱	102	75 - 125	4	20
Selenium	3.6		10.5	13.2		mg/Kg	✱	91	75 - 125	8	20
Silver	0.030	J	5.26	5.53		mg/Kg	✱	105	75 - 125	5	20
Sodium	11	U	531	591		mg/Kg	✱	111	75 - 125	5	20
Thallium	0.21		4.21	4.56		mg/Kg	✱	103	75 - 125	5	20
Vanadium	24	F1	10.5	35.5		mg/Kg	✱	106	75 - 125	6	20
Zinc	30		10.5	41.1		mg/Kg	✱	108	75 - 125	3	20
Tin	1.5	U	10.5	11.4		mg/Kg	✱	108	75 - 125	5	20

Lab Sample ID: 680-210170-1 MSD

Matrix: Solid

Analysis Batch: 703843

Client Sample ID: IA-GP10COMP-2021

Prep Type: Total/NA

Prep Batch: 703427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	2500		42.1	2320	4	mg/Kg	✱	-522	75 - 125	1	20

Lab Sample ID: MB 680-703514/1-A

Matrix: Water

Analysis Batch: 703673

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 703514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.20	J	5.0	0.50	ug/L		01/19/22 09:18	01/19/22 21:06	1
Arsenic	1.5	U	3.0	1.5	ug/L		01/19/22 09:18	01/19/22 21:06	1
Barium	0.61	U	5.0	0.61	ug/L		01/19/22 09:18	01/19/22 21:06	1
Beryllium	0.17	U	0.50	0.17	ug/L		01/19/22 09:18	01/19/22 21:06	1
Cadmium	0.15	U	0.50	0.15	ug/L		01/19/22 09:18	01/19/22 21:06	1
Cobalt	0.12	U	0.50	0.12	ug/L		01/19/22 09:18	01/19/22 21:06	1
Copper	1.7	U	5.0	1.7	ug/L		01/19/22 09:18	01/19/22 21:06	1
Lead	0.98	U	2.5	0.98	ug/L		01/19/22 09:18	01/19/22 21:06	1
Nickel	1.9	U	5.0	1.9	ug/L		01/19/22 09:18	01/19/22 21:06	1
Selenium	1.0	U	2.5	1.0	ug/L		01/19/22 09:18	01/19/22 21:06	1
Silver	0.100	J	1.0	0.10	ug/L		01/19/22 09:18	01/19/22 21:06	1
Thallium	0.49	U	1.0	0.49	ug/L		01/19/22 09:18	01/19/22 21:06	1
Vanadium	5.3	U	10	5.3	ug/L		01/19/22 09:18	01/19/22 21:06	1
Zinc	9.6	U	20	9.6	ug/L		01/19/22 09:18	01/19/22 21:06	1

Lab Sample ID: LCS 680-703514/2-A

Matrix: Water

Analysis Batch: 703673

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 703514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	52.9		ug/L		106	80 - 120
Arsenic	100	96.6		ug/L		97	80 - 120
Barium	100	98.4		ug/L		98	80 - 120
Beryllium	50.0	49.1		ug/L		98	80 - 120
Cadmium	50.0	50.0		ug/L		100	80 - 120
Cobalt	50.0	50.1		ug/L		100	80 - 120
Copper	99.1	103		ug/L		103	80 - 120
Lead	505	503		ug/L		100	80 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-703514/2-A

Matrix: Water

Analysis Batch: 703673

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 703514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	99.0	102		ug/L		103	80 - 120
Selenium	100	102		ug/L		101	80 - 120
Silver	50.0	49.7		ug/L		99	80 - 120
Thallium	40.0	38.5		ug/L		96	80 - 120
Vanadium	99.8	97.5		ug/L		98	80 - 120
Zinc	100	99.3		ug/L		99	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-705084/12-A

Matrix: Water

Analysis Batch: 705237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 705084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		01/31/22 14:42	02/01/22 11:24	1

Lab Sample ID: LCS 680-705084/13-A

Matrix: Water

Analysis Batch: 705237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 705084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.46		ug/L		98	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 680-704959/12-A

Matrix: Solid

Analysis Batch: 705078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 704959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0074	U	0.023	0.0074	mg/Kg		01/31/22 08:18	01/31/22 13:10	1

Lab Sample ID: LCS 680-704959/13-A

Matrix: Solid

Analysis Batch: 705078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 704959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.208	0.211		mg/Kg		101	80 - 120

Lab Sample ID: 680-210170-1 MS

Matrix: Solid

Analysis Batch: 705078

Client Sample ID: IA-GP10COMP-2021

Prep Type: Total/NA

Prep Batch: 704959

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.032		0.0973	0.134		mg/Kg	☆	105	80 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 680-210170-1 MSD

Matrix: Solid

Analysis Batch: 705078

Client Sample ID: IA-GP10COMP-2021

Prep Type: Total/NA

Prep Batch: 704959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.032		0.0990	0.135		mg/Kg	✱	104	80 - 120	0	20

QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Metals

Prep Batch: 703427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-1	IA-GP10COMP-2021	Total/NA	Solid	3050B	
680-210170-2	IA-GP12COMP-2021	Total/NA	Solid	3050B	
680-210170-3	IA-GP15COMP-2021	Total/NA	Solid	3050B	
680-210170-4	IA-GP10COMP-2021	Total/NA	Solid	3050B	
680-210170-5	IA-GP12COMP-2021	Total/NA	Solid	3050B	
680-210170-6	IA-GP15COMP-2021	Total/NA	Solid	3050B	
680-210170-7	DUP 3998	Total/NA	Solid	3050B	
MB 680-703427/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 680-703427/2-A	Lab Control Sample	Total/NA	Solid	3050B	
680-210170-1 MS	IA-GP10COMP-2021	Total/NA	Solid	3050B	
680-210170-1 MSD	IA-GP10COMP-2021	Total/NA	Solid	3050B	

Prep Batch: 703514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-8	EB 141	Total Recoverable	Water	3005A	
MB 680-703514/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-703514/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 703585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-703427/1-A	Method Blank	Total/NA	Solid	6020B	703427
LCS 680-703427/2-A	Lab Control Sample	Total/NA	Solid	6020B	703427

Analysis Batch: 703673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-1	IA-GP10COMP-2021	Total/NA	Solid	6020B	703427
680-210170-2	IA-GP12COMP-2021	Total/NA	Solid	6020B	703427
680-210170-3	IA-GP15COMP-2021	Total/NA	Solid	6020B	703427
680-210170-4	IA-GP10COMP-2021	Total/NA	Solid	6020B	703427
680-210170-5	IA-GP12COMP-2021	Total/NA	Solid	6020B	703427
680-210170-6	IA-GP15COMP-2021	Total/NA	Solid	6020B	703427
680-210170-7	DUP 3998	Total/NA	Solid	6020B	703427
680-210170-8	EB 141	Total Recoverable	Water	6020B	703514
MB 680-703427/1-A	Method Blank	Total/NA	Solid	6020B	703427
MB 680-703514/1-A	Method Blank	Total Recoverable	Water	6020B	703514
LCS 680-703427/2-A	Lab Control Sample	Total/NA	Solid	6020B	703427
LCS 680-703514/2-A	Lab Control Sample	Total Recoverable	Water	6020B	703514
680-210170-1 MS	IA-GP10COMP-2021	Total/NA	Solid	6020B	703427
680-210170-1 MSD	IA-GP10COMP-2021	Total/NA	Solid	6020B	703427

Analysis Batch: 703843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-1	IA-GP10COMP-2021	Total/NA	Solid	6020B	703427
680-210170-3	IA-GP15COMP-2021	Total/NA	Solid	6020B	703427
680-210170-1 MS	IA-GP10COMP-2021	Total/NA	Solid	6020B	703427
680-210170-1 MSD	IA-GP10COMP-2021	Total/NA	Solid	6020B	703427

Analysis Batch: 704629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-6	IA-GP15COMP-2021	Total/NA	Solid	6020B	703427

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QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Metals

Prep Batch: 704959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-1	IA-GP10COMP-2021	Total/NA	Solid	7471B	
680-210170-2	IA-GP12COMP-2021	Total/NA	Solid	7471B	
680-210170-3	IA-GP15COMP-2021	Total/NA	Solid	7471B	
680-210170-4	IA-GP10COMP-2021	Total/NA	Solid	7471B	
680-210170-5	IA-GP12COMP-2021	Total/NA	Solid	7471B	
680-210170-6	IA-GP15COMP-2021	Total/NA	Solid	7471B	
680-210170-7	DUP 3998	Total/NA	Solid	7471B	
MB 680-704959/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 680-704959/13-A	Lab Control Sample	Total/NA	Solid	7471B	
680-210170-1 MS	IA-GP10COMP-2021	Total/NA	Solid	7471B	
680-210170-1 MSD	IA-GP10COMP-2021	Total/NA	Solid	7471B	

Analysis Batch: 705078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-1	IA-GP10COMP-2021	Total/NA	Solid	7471B	704959
680-210170-2	IA-GP12COMP-2021	Total/NA	Solid	7471B	704959
680-210170-3	IA-GP15COMP-2021	Total/NA	Solid	7471B	704959
680-210170-4	IA-GP10COMP-2021	Total/NA	Solid	7471B	704959
680-210170-5	IA-GP12COMP-2021	Total/NA	Solid	7471B	704959
680-210170-6	IA-GP15COMP-2021	Total/NA	Solid	7471B	704959
680-210170-7	DUP 3998	Total/NA	Solid	7471B	704959
MB 680-704959/12-A	Method Blank	Total/NA	Solid	7471B	704959
LCS 680-704959/13-A	Lab Control Sample	Total/NA	Solid	7471B	704959
680-210170-1 MS	IA-GP10COMP-2021	Total/NA	Solid	7471B	704959
680-210170-1 MSD	IA-GP10COMP-2021	Total/NA	Solid	7471B	704959

Prep Batch: 705084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-8	EB 141	Total/NA	Water	7470A	
MB 680-705084/12-A	Method Blank	Total/NA	Water	7470A	
LCS 680-705084/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 705237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-8	EB 141	Total/NA	Water	7470A	705084
MB 680-705084/12-A	Method Blank	Total/NA	Water	7470A	705084
LCS 680-705084/13-A	Lab Control Sample	Total/NA	Water	7470A	705084

General Chemistry

Analysis Batch: 704190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-210170-1	IA-GP10COMP-2021	Total/NA	Solid	Moisture	
680-210170-2	IA-GP12COMP-2021	Total/NA	Solid	Moisture	
680-210170-3	IA-GP15COMP-2021	Total/NA	Solid	Moisture	
680-210170-4	IA-GP10COMP-2021	Total/NA	Solid	Moisture	
680-210170-5	IA-GP12COMP-2021	Total/NA	Solid	Moisture	
680-210170-6	IA-GP15COMP-2021	Total/NA	Solid	Moisture	
680-210170-7	DUP 3998	Total/NA	Solid	Moisture	
680-210170-1 MS	IA-GP10COMP-2021	Total/NA	Solid	Moisture	
680-210170-1 MSD	IA-GP10COMP-2021	Total/NA	Solid	Moisture	

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Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: IA-GP10COMP-2021

Lab Sample ID: 680-210170-1

Date Collected: 01/14/22 14:01

Matrix: Solid

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			704190	01/24/22 15:20	JB	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: IA-GP10COMP-2021

Lab Sample ID: 680-210170-1

Date Collected: 01/14/22 14:01

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		1			703673	01/19/22 13:58	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	3050B			1.10 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		10			703843	01/20/22 15:16	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7471B			0.58 g	50 mL	704959	01/31/22 08:18	JKL	TAL SAV
Total/NA	Analysis	7471B		1			705078	01/31/22 13:17	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-2

Date Collected: 01/14/22 11:34

Matrix: Solid

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			704190	01/24/22 15:20	JB	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-2

Date Collected: 01/14/22 11:34

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		1			703673	01/19/22 14:45	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7471B			0.58 g	50 mL	704959	01/31/22 08:18	JKL	TAL SAV
Total/NA	Analysis	7471B		1			705078	01/31/22 13:27	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: IA-GP15COMP-2021

Lab Sample ID: 680-210170-3

Date Collected: 01/14/22 10:00

Matrix: Solid

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			704190	01/24/22 15:20	JB	TAL SAV
Instrument ID: NOEQUIP										

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Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: IA-GP15COMP-2021

Lab Sample ID: 680-210170-3

Date Collected: 01/14/22 10:00

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 100.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		1			703673	01/19/22 14:51	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	3050B			1.12 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		10			703843	01/20/22 15:29	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7471B			0.57 g	50 mL	704959	01/31/22 08:18	JKL	TAL SAV
Total/NA	Analysis	7471B		1			705078	01/31/22 13:31	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: IA-GP10COMP-2021

Lab Sample ID: 680-210170-4

Date Collected: 01/14/22 15:00

Matrix: Solid

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			704190	01/24/22 15:20	JB	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: IA-GP10COMP-2021

Lab Sample ID: 680-210170-4

Date Collected: 01/14/22 15:00

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		1			703673	01/19/22 14:42	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7471B			0.57 g	50 mL	704959	01/31/22 08:18	JKL	TAL SAV
Total/NA	Analysis	7471B		1			705078	01/31/22 13:34	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-5

Date Collected: 01/14/22 13:20

Matrix: Solid

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			704190	01/24/22 15:20	JB	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-5

Date Collected: 01/14/22 13:20

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.16 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		1			703673	01/19/22 14:37	BJB	TAL SAV
Instrument ID: ICPMSD										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: IA-GP12COMP-2021

Lab Sample ID: 680-210170-5

Date Collected: 01/14/22 13:20

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.55 g	50 mL	704959	01/31/22 08:18	JKL	TAL SAV
Total/NA	Analysis	7471B		1			705078	01/31/22 13:38	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: IA-GP15COMP-2021

Lab Sample ID: 680-210170-6

Date Collected: 01/14/22 11:02

Matrix: Solid

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			704190	01/24/22 15:20	JB	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: IA-GP15COMP-2021

Lab Sample ID: 680-210170-6

Date Collected: 01/14/22 11:02

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		1			703673	01/19/22 14:40	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	3050B			1.14 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		10			704629	01/27/22 10:34	BWR	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7471B			0.53 g	50 mL	704959	01/31/22 08:18	JKL	TAL SAV
Total/NA	Analysis	7471B		1			705078	01/31/22 13:49	JKL	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: DUP 3998

Lab Sample ID: 680-210170-7

Date Collected: 01/14/22 00:00

Matrix: Solid

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			704190	01/24/22 15:20	JB	TAL SAV
Instrument ID: NOEQUIP										

Client Sample ID: DUP 3998

Lab Sample ID: 680-210170-7

Date Collected: 01/14/22 00:00

Matrix: Solid

Date Received: 01/18/22 10:20

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	500 mL	703427	01/18/22 15:17	BCB	TAL SAV
Total/NA	Analysis	6020B		1			703673	01/19/22 14:49	BJB	TAL SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7471B			0.55 g	50 mL	704959	01/31/22 08:18	JKL	TAL SAV
Total/NA	Analysis	7471B		1			705078	01/31/22 13:52	JKL	TAL SAV
Instrument ID: LEEMAN2										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Client Sample ID: EB 141

Lab Sample ID: 680-210170-8

Date Collected: 01/15/22 14:35

Matrix: Water

Date Received: 01/18/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	250 mL	703514	01/19/22 09:18	JE	TAL SAV
Total Recoverable	Analysis	6020B		1			703673	01/19/22 21:50	BJB	TAL SAV
		Instrument ID: ICPMSD								
Total/NA	Prep	7470A			50 mL	50 mL	705084	01/31/22 14:42	JKL	TAL SAV
Total/NA	Analysis	7470A		1			705237	02/01/22 11:31	JKL	TAL SAV
		Instrument ID: LEEMAN2								

Laboratory References:

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-22

1

2

3

4

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7

8

9

10

11

12

Method Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcels 100Q & 101Q Impact Area

Job ID: 680-210170-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
7471B	Mercury (CVAA)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3050B	Preparation, Metals	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL SAV
7471B	Preparation, Mercury	SW846	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Test America
 Lab Contact: Jon Lawhon, Amy Ragnaldsen
 MES Contact: Betty Van Pelt
 MES Phone: 801-699-1246
 Project: Parcels 100Q & 101Q, Impact Area
 Task # 21 094.22-33 1.500

COC Number 6550
 Cooler ID 1 of 1
 Page 1 of 1

Samplers Signature	SWMU	Station ID	QC Code	Station Code	Matrix	Sample Method	Date Collected	Sample Time	Analysis	Notes
	100Q & 101Q Impact Area	IA-GP10COMP-2021	NS	SS	SO	C	1-14-2022	1401	X	
	100Q & 101Q Impact Area	IA-GP10COMP-2021	MS/MSD	SS	SO	C	1-14-2022	1401	X X	2-4oz Ambers Jars
	100Q & 101Q Impact Area	IA-GP12COMP-2021	NS	SS	SO	C	1-14-2022	1134	X	
	100Q & 101Q Impact Area	IA-GP15COMP-2021	NS	SS	SO	C	1-14-2022	1000	X	
	100Q & 101Q Impact Area	IA-GP10COMP-2021	NS	DS	SO	C	1-14-2022	1500	X	
	100Q & 101Q Impact Area	IA-GP12COMP-2021	NS	DS	SO	C	1-14-2022	1320	X	
	100Q & 101Q Impact Area	IA-GP15COMP-2021	NS	DS	SO	C	1-14-2022	1102	X	
	100Q & 101Q Impact Area	DUP 398	FD	DS	SO	C	1-14-2022	N/A	X	
	100Q & 101Q Impact Area	EB 141	EB	SS	W	G	1-15-2022	1435		1- 250 mL Poly, HNO3 (SW 6020A/17470A Jars)

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type = MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
 Double the number of bottles for MS/MSD



Relinquished by (Signature):

Date/Time: 1-17-2022/1600

Received by (Signature):



Relinquished by (Signature):

Date/Time:

Received by (Signature):



1-18-22 1020
 14/20



680-210170 Chain of Custody

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-210170-1

Login Number: 210170

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX G

QUALITY ASSURANCE REPORTS FOR ANALYTICAL DATA

Quality Assurance Report
For Site Investigation Performed at Small Arms Impact Area, South of Former
POW Training Area
Parcel IASPOW
IT Project No 796887

1.0 Overview

Twenty-one soil samples and three groundwater samples were collected in support of the investigation at Fort McClellan (FTMC) Parcel IASPOW, Small Arms Impact Area South of Former POW Training Area. Samples were submitted to EMAX Laboratories, Inc. for analysis. QC samples consisted of the following types and quantities: 3 field duplicates, 2 matrix spike/matrix spike duplicate (MS/MSD) pairs, 1 trip blank and 2 equipment rinsates. An analytical summary cross-referencing sample location, sample number, and contaminants of concern is presented in Attachment A.

One hundred (100%) percent of samples were validated and reviewed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Evaluating Inorganic Data Review* (EPA, February 1994) and *USEPA Contract Laboratory Program National Functional Guidelines for Organic Review* (EPA, October 1999) for all areas except blanks. *Region III Laboratory Data Validation Functional Guidelines for Inorganic Analyses* (EPA, April 1993) and *Region III National Functional Guidelines for Organic Data Review* (EPA, June 1992) were applied to the areas associated with blank contamination. Data qualifiers assigned to results were based on guidance outlined in the referenced documents and the *Installation-Wide Sampling and Analysis Plan* (IT, March 2000) for FTMC.

Table 1.0-1
Laboratory Data Qualifier Definitions

Data Qualifier	Laboratory Data Qualifier Definition
B	Analyte detected in method blank at concentration greater than the reporting limit (and greater than zero).
C	Confirming data obtained using second GC column or GC/MS.
E	Analyte concentration exceeded calibration range.
I	Analyte identification suspect. See narrative for explanation.
J	Result is less than or equal to specified reporting limit but greater than the method detection limit (MDL).
P	Analyte not confirmed. Results from primary and secondary GC columns differ by greater than 10 percent
S	Analyte concentration obtained using Method of Standard Additions (MSA).
U	Not detected. The value represented indicates the reporting limit for the analysis.
D	Sample analyzed as a dilution. The result reported has been calculated using the appropriate dilution factor.
No Code	Confirmed identification.

**Table 1.0-2
Validation Data Qualifier Definitions**

Validation Qualifier	Validation Data Qualifier Definition
U	Not detected. The associated number indicates approximate sample concentration necessary to be detected.
No Code	Confirmed identification.
B	Not detected substantially above the level reported in laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
N	Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.
J	Analyte present. Reported value may not be accurate or precise. Considered an estimate.
NJ	Qualitative identification questionable due to poor resolution. Presumptively present at approximate quantity.
NV	Result was not validated.

The Data Validation Summary Report is presented in Attachment B.

2.0 Summary

Data were evaluated to verify compliance with precision, accuracy, representativeness, comparability, completeness, and sensitivity. To verify that project data quality objectives (DQOs) were met, laboratory analytical results and data packages were examined for compliance with SW846 8081A, 8141, 8151, 8260B, 8270C, 8330, 6010B/7470A/7471A quality control (QC) method criteria. Laboratory nonconformances and discrepancies in the data were also examined to determine their impact on the data. The results of this review are presented in the following sections.

2.1 Sample Receipt and Analytical Holding Times

All sample results generated by the laboratory during this investigation have been reviewed with respect to condition of samples as received by the laboratory, chain-of-custody, and analysis holding times. All coolers were received by EMAX in good condition under proper chain-of-custody.

All extraction and analytical holding times were met.

2.2 Rejected Data

Table 2.2-1 lists all rejected analytical data. Sample re-collection at this time is not warranted due to all rejected results being reported as non-detect.

Table 2.2-1 Rejected Analytical Results

Sample Delivery Group	Sample Number	Contaminant	Reason
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020 and QG0021	Bromomethane	Initial and Continuing Calibration Relative Response Factor (RRF) <0.05.
IASPOW-02	QG3002 and QG3003	1,2-Dibromo-3-chloropropane 2-Butanone (MEK) 2-Hexanone (MBK) Acetone 4-Methyl-2-pentanone (MIBK)	Initial and Continuing Calibration Relative Response Factor (RRF) <0.05. Continuing Calibration Relative Response Factor (RRF) <0.05.

2.3 Blank Results

Descriptions of the type of blank samples which were collected, processed, and evaluated for background and/or process contamination during this sampling are as follows:

- Trip blanks (TBs) consist of aqueous VOC sample vials filled in the laboratory with ASTM Type II reagent grade water, transported to the sampling site, handled like an environmental sample and returned to the laboratory for analysis. Trip blanks are prepared only when aqueous VOC samples are collected and analyzed. Trip blanks are used to assess the potential introduction of contaminants from sample containers during the transportation and/or storage procedures. Trip blanks were sent with all aqueous samples shipped to the laboratory requiring volatile analysis.
- Equipment rinsates (ER) are samples of analyte-free deionized water poured into, over, or pumped through the sampling device, collected in a sample container, and transported to the laboratory for analysis. Equipment rinsates are used to assess the effectiveness of equipment decontamination procedures.
- Method blanks (MB) are used in the laboratory to assess and document any possible contamination resulting from the analytical process. A method blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank shall be carried through the complete sample preparation and analytical procedure.
- Initial and continuing calibration blanks (ICB and CCB) are instrument blanks consisting of an analyte-free matrix. ICBs and CCBs are analyzed to verify the analysis system is free of contamination and are analyzed immediately after the initial and continuing calibrations are performed.

When target compounds are detected in trip blanks, equipment rinsates and/or method blanks there is increased uncertainty regarding the positive identification of the same constituents in field samples. When this occurs, detections more than five times the associated blank concentration are assumed to be positive detections in field samples. Because of the added uncertainty for certain "common" laboratory contaminants such as acetone, chloroform, toluene, and various phthalates, these constituents are not assumed present until sample concentrations exceed ten times the associated blank value. This is referred to as the 5X/10X rule.

Field sample concentrations were evaluated to determine if the sample results could have been biased by the presence of any contamination measured in trip blanks, equipment rinsate blanks, method blanks and/or initial/continuing calibration blanks. Sample data affected by blank contamination are summarized in Table 2.3-1.

Table 2.3-1
Summary of Blank Contamination

Sample Delivery Group	Sample Number	Contaminant	Action
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020 and QG0021	Methylene chloride	Methylene chloride results for samples QG0007, QG0008, QG0009, QG0019, QG0020 and QG0021 were "B" qualified due to ER contamination.
	QG0018 and QG0020	Calcium	Calcium results for samples QG0018 and QG0020 were "B" qualified due to ICB/CCB contamination.
IASPOW-02	QG3001 and QG3003	Arsenic	Arsenic results for samples QG3001 and QG3003 were "B" qualified due to MB contamination.
	QG3001	Barium	Barium result for sample QG3001 was "B" qualified due to ER contamination.
	QG3001, QG3002 & QG3003	Calcium Magnesium Potassium Sodium	Calcium, magnesium, potassium and sodium results for samples QG3001, QG3002 and QG3003 were "B" qualified due to ER contamination.

2.4 Analytical Precision

Precision is defined as a measurement of mutual agreement among individual measurements of the same property, usually under "prescribed similar conditions." Analytical precision is calculated as relative percent difference (%RPD) based on the following formula:

$$\%RPD = \left| \frac{(A-B)}{(A+B)/2} \right| \times 100$$

where:

%RPD = Relative Percent Difference

A = original result

B = duplicate result

A high RPD between an original sample and its field duplicate may be attributable to the difference in sample matrix or distribution of the contaminant within the sample, rather than the precision of the collection process. Also, when "estimated" results are reported, there is a potential for increased variability between the primary and duplicate sample results. This occurs because, at low concentrations, the relative difference in results is magnified by the RPD calculation even though the results are comparable in absolute terms. There is also increased uncertainty in the results as the lower limit of detection is approached, due to decreasing analytical accuracy. The RPD calculation cannot be performed in cases where non-detected results are reported with corresponding samples that contain detectable concentrations.

Overall sampling and analysis precision for this task was assessed using field duplicate (FD) samples. Laboratory precision was assessed by laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and matrix spike/matrix spike duplicate (MS/MSD) recoveries. Results indicate that an acceptable analytical precision was achieved. Table 2.4-1 lists precision acceptance criteria for LCS/LCSD, MS/MSD organic analyses and field duplicate comparisons. Table 2.4-2 lists all field duplicate, LCS/LCSD and MS/MSD RPDs that exceeded QC criteria.

Table 2.4-1 Precision Acceptance Criteria

Field/Laboratory QC Type	Matrix	
	Aqueous	Soil
Field Duplicate (Both Organic & Inorganic)	RPD < 35%	RPD < 50%
Organochlorinated Pesticides LCS/LCSD and MS/MSD	RPD < 25%	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
Organophosphorus Pesticides LCS/LCSD and MS/MSD	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
Herbicides LCS/LCSD and MS/MSD	RPD < 50%	RPD < 50%
TCL Volatiles LCS/LCSD and MS/MSD	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
TCL Semivolatiles LCS/LCSD and MS/MSD	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
Metals LCS/LCSD and MS/MSD	RPD < 20%	RPD < 20%

**Table 2.4-2
Summary of Field Duplicate, LCS/LCSD & MS/MSD RPD Anomalies**

Sample Delivery Group	Sample Number	Contaminant	Assigned Validation Qualifier
IASPOW-01	QG0020 (Parent) / QG0021 (FD)	Acetone (95%)	Acetone results for samples QG0020 and QG0021 were "J" qualified due to RPD between parent sample and its corresponding field duplicate exceeding QC criteria.
	QG0020 (Parent) / QG0021 (FD)	Aluminum (72%) Barium (57%) Chromium (64%) Arsenic (76%) Potassium (85%) Copper (66%) Magnesium (104%) Nickel (102%) Zinc (88%)	Aluminum, barium, chromium, arsenic, potassium, copper, magnesium, nickel and zinc results for samples QG0020 and QG0021 were "J" qualified due to RPD between parent sample and its corresponding field duplicate exceeding QC criteria.
IASPOW-02	QG3002 (Parent) / QG3003 (FD)	Aluminum (154%) Iron (130%)	Aluminum and iron results for samples QG3002 and QG3003 were "J" qualified due to RPD between parent sample and its corresponding field duplicate exceeding QC criteria.

Table 2.4-2 (Continued)
Summary of Field Duplicate, LCS/LCSD & MS/MSD RPD Anomalies

Sample Delivery Group	Sample Number	Contaminant	Assigned Validation Qualifier
IASPOW-02 (Continued)	QG3002 (Parent) / QG3003 (FD)	Dieldrin (37%) beta-BHC (82%) alpha-Chlordane (63%)	Dieldrin, beta-BHC and alpha-Chlordane results for samples QG3002 and QG3003 were "J" qualified due to RPD between parent sample and its corresponding field duplicate exceeding QC criteria.
	QG3002 MS/MSD	Demeton (Total) (38%) Ethoprop (25%) Disulfoton (32%)	Demeton (Total), ethoprop and disulfoton results for samples QG3002 and QG3003 were "UJ" qualified due to MS/MSD spike recoveries exceeding QC criteria.

Sample results reported from GC or HPLC methodologies (i.e., SW846 8081, 8141, 8151, 8330) are confirmed by using two dissimilar columns or dissimilar detectors. Agreement or analytical precision between the two results is calculated as RPD. If the calculated RPD between the two differing columns or detectors exceed 50%, then the higher of the two results is reported as estimated. Table 2.4-3 lists all reported results where the original and confirmation analysis RPD exceeded QC criteria.

Table 2.4-3
Summary of Original / Confirmation Analysis RPD Anomalies

Sample Delivery Group	Sample Number	Contaminant	Assigned Validation Qualifier
IASPOW-02	QG3002	Aldrin (50%) beta-BHC (68%) Heptachlor Epoxide (160%) Endosulfan I (100%) 4,4'-DDD (144%)	Aldrin, beta-BHC, heptachlor epoxide, endosulfan I and 4,4'-DDD results for sample QG3002 were "J" qualified due to RPD between the original and confirmation analysis exceeding QC criteria.
	QG3003	beta-BHC (135%) gamma-BHC (102%) Heptachlor epoxide (143%) 4,4'-DDT (110%)	Beta-BHC, gamma-BHC, heptachlor epoxide and 4,4'-DDT results for sample QG3003 were "J" qualified due to RPD between the original and confirmation analysis exceeding QC criteria.

2.5 Analytical Accuracy Assessment

Accuracy is a measure of the degree of agreement of a result against an accepted reference or true value. Accuracy is expressed as a percent recovery (%R) calculated by the ratio of the measurement and accepted true value as shown in the following equation:

$$\%R = (|X_s - X_u|/K) \times 100$$

where:

X_s = measured value of the spiked sample

X_u = measured value of the unspiked sample

K = known amount of the spike in the sample

Surrogate recoveries, MS/MSD and LCS/LCSD were used to measure analytical accuracy as described in SW846 8081A, 8141, 8151, 8260B, 8270C, 8330, and 6010B/7470A/7471A.

Reported results indicate that an acceptable level of analytical accuracy was achieved.

Surrogate, LCS/LCSD and MS/MSD spike recoveries, which exceed QC criteria are summarized in Table 2.5-1.

Table 2.5-1
Summary of Surrogate, LCS/LCSD and MS/MSD Spike Recovery Criteria Exceedances

Sample Delivery Group	Sample Number	Contaminant	Action
IASPOW-01	QG0020 MS/MSD	Antimony (LB)	Antimony results for samples QG0001 through QG0021 were "J" /"UJ" qualified due to MS/MSD spike recoveries exceeding QC criteria.
		Arsenic (LB) Selenium (LB)	Arsenic and selenium results for samples QG0011 through QG0020 were "J" /"UJ" qualified due to MS/MSD spike recoveries exceeding QC criteria.
	NPB002SL (LCS)	Naled (LB)	Naled results for samples QG0007, QG0008, QG0009, QG0019, QG0020 and QG0021 were "UJ" qualified due to LCS spike recovery exceeding QC criteria.
IASPOW-02	NPD007WL (LCS)	Demeton (Total) (LB)	Demeton (Total) results for samples QG3002 and QG3003 were "UJ" qualified due to LCS spike recovery exceeding QC criteria.
	QG3002 MS/MSD	Heptachlor (HB)	Heptachlor result for sample QG3003 was "J" qualified due to MSD spike recovery exceeding QC criteria.

LB - Low bias

HB - High bias

2.6 Data Representativeness

Representativeness is a qualitative parameter that expresses the degree to which sample data actually represent the matrix conditions. Standardized requirements and procedures for sample collection, handling and analyses were employed to maximize sample representativeness.

Soil sample locations selected for this investigation will confirm whether the soil has been impacted by contaminant releases from former activities at this site. Groundwater samples were collected to determine the quality of groundwater in the aquifer.

2.7 Data Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. By employing well-recognized techniques and accepted standardized methods for sampling and analysis, data comparability was achieved during this sampling event.

2.8 Data Completeness

Completeness is calculated for the aggregation of data for each analyte measured during the investigation of Parcel IASPOW, Small Arms Impact Area South of Former POW Training Area. The formula for calculating completeness is listed below:

$$\% \text{ Completeness} = (X_V / X_T) \times 100$$

where:

X_V = number of valid (i.e., non-“R”-flagged) results

X_T = number of possible results

Parcel IASPOW goal for completeness is 95% for both aqueous and soil samples. The % Completeness for this task is calculated to be 99.3%.

- $\% \text{ Completeness} = (2352 / 2368) \times 100 = 99.3\%$

2.9 Sensitivity

Sensitivity is defined as the ability of the laboratory's established method detection limits (MDL)/method reporting limits (MRL or RL) to meet project-specific DQOs or site-specific screening levels (SSSL) and or ecological screening values (ESV).

MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. MDLs are determined from an analysis of a sample in a given matrix containing the target analyte of interest. The MRL is a threshold value based upon the sensitivity capability of method and instrument. MRLs are normally set at a minimum of two times the MDL. MRLs are adjusted based on the sample matrix, moisture (solids only), and any necessary sample dilutions. The laboratory cannot reliably quantitate values reported above the MDL but below the MRL. Therefore, these analyte values must be flagged as estimated quantities ("J"-flagged).

To evaluate method sensitivity, a general comparison of the laboratory's MDLs/MRLs and the site investigation screening levels (background values, human health SSSL for residential reuse, and ESV) was performed and presented to the FTMC Base Realignment and Closure Team (BCT) (November 1999). The comparison summarized the relationship between the MDL/MRLs and SSSL/ESVs for each parameter typically reported for all of the major analytical methods used at FTMC. The few cases identified where the MDL and/or MRL values exceeded their corresponding human health SSSL and/or ESV were specifically highlighted and explained. It was understood that for these cases, the standard analytical method of analysis was not going to provide MDLs/MRLs, which met human health SSSLs or ESVs without significant uncertainty and the possibility of reporting false negatives. It was generally accepted that standard EPA SW846 analytical methods would provide sufficient sensitivity for data reported and used in the site screening process at FTMC.

3.0 Data Usability

Data quality indicators (DQI) provide an internal guide for control and review to verify that data are scientifically sound, defensible, and of known and acceptable quality. Factors such as precision, accuracy, representativeness, comparability, completeness, and sensitivity were evaluated to determine if the project's DQOs were met. A review of the data revealed that the majority of QA/QC indicators were within acceptable control limits. Any data anomalies encountered during data validation and overall site evaluations have been summarized in the previous sections of this document.

Based on the results of data validation and QA review, IT has concluded that representative samples were collected and analyzed and the results are indicative of the media analyzed. The data are to be considered representative of site conditions and are usable for their intended purpose.

4.0 Attachments

Attachment A - Analytical Summary Table

Attachment B - Data Validation Summary Report

ATTACHMENT A
ANALYTICAL SUMMARY TABLE

**Ft. McClellan
Parcel IASPOW
Small Arms Impact Area, South of Former POW Training Area Soil Analytical Summary
Project No. 796887**

Sample Location	Sample Name	Sample Number	Date Sampled	Depth	Analytical Suite	Sample Type	Sample Purpose
IMP-IASPOW-GP01	IMP-IASPOW-GP01-SS-QG0001-REG	QG0001	23-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP01-DS-QG0002-REG	QG0002	23-Jan-02	2 to 4 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP02	IMP-IASPOW-GP02-SS-QG0003-REG	QG0003	23-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP02-DS-QG0004-REG	QG0004	23-Jan-02	3 to 4 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP03	IMP-IASPOW-GP03-SS-QG0005-REG	QG0005	23-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP03-DS-QG0006-REG	QG0006	23-Jan-02	3 to 4 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP04	IMP-IASPOW-GP04-SS-QG0007-REG	QG0007	24-Jan-02	0 to 1 ft	CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP04-DS-QG0008-REG	QG0008	24-Jan-02	3 to 4 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	DS	REG
	IMP-IASPOW-GP04-DS-QG0009-FD	QG0009	24-Jan-02	3 to 4 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	DS	FD
IMP-IASPOW-GP05	IMP-IASPOW-GP05-SS-QG0010-REG	QG0010	23-Jan-02	0 to 1 ft	Volatiles by 8260B Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP05-DS-QG0011-REG	QG0011	23-Jan-02	3 to 4 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP06	IMP-IASPOW-GP06-SS-QG0012-REG	QG0012	24-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP06-DS-QG0013-REG	QG0013	24-Jan-02	3 to 4 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP07	IMP-IASPOW-GP07-SS-QG0014-REG	QG0014	23-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
IMP-IASPOW-GP08	IMP-IASPOW-GP08-SS-QG0015-REG	QG0015	23-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
IMP-IASPOW-GP09	IMP-IASPOW-GP09-SS-QG0016-REG	QG0016	24-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
IMP-IASPOW-MW01	IMP-IASPOW-MW01-SS-QG0017-REG	QG0017	23-Jan-02	0 to 1 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-MW01-DS-QG0018-REG	QG0018	23-Jan-02	3 to 4 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-MW02	IMP-IASPOW-MW02-SS-QG0019-REG	QG0019	24-Jan-02	0 to 1 ft	CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-MW02-DS-QG0020-REG	QG0020	24-Jan-02	3 to 4 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	DS	REG

**Ft. McClellan
Parcel IASPOW
Small Arms Impact Area, South of Former POW Training Area Soil Analytical Summary
Project No. 796887**

Sample Location	Sample Name	Sample Number	Date Sampled	Depth	Analytical Suite	Sample Type	Sample Purpose
IMP-IASPOW-MW02 (Continued)	IMP-IASPOW-MW02-DS-QG0020-MS-MS	QG0020-MS	24-Jan-02	3 to 4 ft	CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A Volatiles by 8260B	DS	MS
	IMP-IASPOW-MW02-DS-QG0020-MSD-MSD	QG0020-MSD	24-Jan-02	3 to 4 ft	CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A Volatiles by 8260B	DS	MSD
	IMP-IASPOW-MW02-DS-QG0021-FD	QG0021	24-Jan-02	3 to 4 ft	CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A Volatiles by 8260B	DS	FD

**Ft. McClellan
Parcel IASPOW
Small Arms Impact Area, South of Former POW Training Area Groundwater Analytical Summary
Project No. 796887**

Sample Location	Sample Name	Sample Number	Date Sampled	Depth	Analytical Suite	Sample Type	Sample Purpose
IMP-IASPOW-MW01	IMP-IASPOW-MW01-GW-QG3001-REG	QG3001	23-Apr-02	35 to 55 ft	Nitroaromatics by 8330 TAL Metals by 6010B/7470A	GW	REG
IMP-IASPOW-MW02	IMP-IASPOW-MW02-GW-QG3002-REG	QG3002	24-Apr-02	35 to 55 ft	CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7470A	GW	REG
	IMP-IASPOW-MW02-GW-QG3002-MS-MS	QG3002-MS	24-Apr-02	35 to 55 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7470A	GW	MS
	IMP-IASPOW-MW02-GW-QG3002-MSD-MSD	QG3002-MSD	24-Apr-02	35 to 55 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7470A	GW	MSD
	IMP-IASPOW-MW02-GW-QG3003-FD	QG3003	24-Apr-02	35 to 55 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7470A	GW	FD

ATTACHMENT B
DATA VALIDATION SUMMARY REPORT

**Data Validation Summary Report
For the Site Investigation Performed at
Small Arms Impact Area, South of Former POW Training Area (Parcel IASPOW)
Fort McClellan, Calhoun County, Alabama**

1.0 Introduction

Level III data validation was performed on 100 percent of the environmental samples collected for IMP-IASPOW. The analytical data consisted of delivery groups (SDGs) IASPOW-01 and IASPOW-02, which were analyzed by EMAX Laboratories. Soil and water matrices were validated. The chemical parameters for which the samples were analyzed, are identified below:

Parameter (Method)
Volatile Organics by GC/MS SW846 8260B
Semivolatile Organics by GC/MS SW846 8270C
Metals by SW846 6010B and 7470A/7471A
Nitroaromatic and Nitramine Explosives by SW846 8330
Organophosphorus Pesticides by SW846 8141A
Organochlorinated Pesticides by SW846 8081A
Herbicides by SW846 8151A

2.0 Procedures

The sample data were validated following the logic identified in the 1994 *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* and the 1999 *EPA Contract Laboratory Program National Functional Guidelines for Organic Review* for all areas except blanks. *EPA Region III Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses* (April 1993) and *Region III National Functional Guidelines for Organic Data Review* (June 1992) were applied to the areas associated with blank contamination. Specific quality control (QC) criteria as identified in the quality assurance plan (QAP), analytical methods, and laboratory standard operating procedures (SOP) were applied to all sample results. As a result of the use of Update III SW846 test methods for the analytical data and the application of the Contract Laboratory Program (CLP) guidelines during the validation process, there were instances where specific QC requirements for all target compounds were not defined. This primarily occurred in the organic, gas chromatography (GC) and GC/mass spectrometry (MS) calibration areas and is due to the fact that the analytical methods are performance-based and allow the use of average calibration responses in lieu of individual responses, which are defined by CLP protocol. In light of applying CLP guidelines to SW846 methods and evaluating the usability of the data during the validation process, specific QC criteria were determined to address all target compounds and are identified in this report for each parameter, as well as in the validation checklists, which function as worksheets. All

completed validation checklists are on file in the Knoxville office. For those analytical methods not addressed by the CLP and Region III guidelines, the validation was based on the method requirements (i.e., SW846, Code of Federal Regulations, SOPs) and technical judgement, following the logic of the CLP validation guidelines.

3.0 Summary of Data Validation Findings

The overall quality of the data was determined to be acceptable with minimal qualifications. The only rejected data ("R" qualified) was due to "poor performing" volatile compounds (ketones, some halogenated hydrocarbons, etc.), which experienced poor calibration responses in the associated calibration data, and samples that were reanalyzed and have more than one set of results reported. The "R" qualifier was assigned to the samples with more than one set of results to indicate that a given result should not be used to characterize a particular constituent or an analysis for a given sample.

Individual validation reports have been prepared for each parameter, and the overall results of the validation findings are summarized in this report. The validation qualifier data entry verification report (Attachment A) is also provided. This is a complete listing of all of the analytical results and the validation qualifiers assigned for the site investigation at IMP-IASPOW. It also identifies the "use" column, which indicates which result to use in the event of a reanalysis. A listing of the validation qualifiers and the reason codes, along with their definitions, is also found in Attachment A. The following section highlights the key findings of the data validation for each analysis.

4.0 Analysis-Specific Data Validation Summaries

4.1 Volatile Organics by GC/MS SW846 8260B

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

The initial calibration (ICAL) and continuing calibrations (CCAL) associated with the project samples met QC criteria with the following exception(s):

- The following exhibited individual ICAL/CCAL relative response factor (RRF) <0.1:

SDG Number	Samples Affected	Compound(s)	Validation Qualifier

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020, QG0021	Acetone, Bromomethane	J/R
IASPOW-02	QG3002, QG3003	1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone (MBK), Acetone, 4-Methyl-2-pentanone (MIBK)	R

- The following exhibited individual ICAL relative standard deviation (%RSD) >30 and/or CCAL percent difference (%D) >20:

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-02	QG3002, QG3003	1,2,3-Trichloropropane, Dichlorodifluoromethane	UJ

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses, trip blanks, and method blanks was applied to all sample results. All were found to be acceptable with the following exception(s):

SDG	Samples Affected	Compound(s)	Blank Contaminant	Validation Qualifier
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020, QG0021	Methylene chloride	ER	B

Surrogate Recoveries

All surrogate recoveries were within QC limits.

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

Laboratory Control Sample (LCS) analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and all were found to be acceptable with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0020, QG0021	Acetone	J

Internal Standards

All internal standards met QC criteria.

Quantitation

Results quantitated between the method detection limit (MDL) and the reporting limit (RL), which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.2 Semivolatile Organics by GC/MS SW846 8270C

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exception(s):

- The following exhibited individual CCAL percent difference (%D) >20:

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0007, QG0008, QG0009, QG0019	2,4-Dinitrophenol	UJ
	QG0020, QG0021	2-Nitroaniline	UJ
	ALL SAMPLES	Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene	UJ
IASPOW-02	QG3002, QG3003	2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol	UJ

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses and method blanks

was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated, and all QC criteria were met.

Internal Standards

All internal standards met QC criteria.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as AJ,≡ were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.3 Metals by SW846 6010B/7470A/7471A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibrations

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were found to be acceptable with the following exception(s):

SDG	Samples Affected	Compound(s)	Blank Contaminant	Validation Qualifier
IASPOW-01	QG0018, QG0020	Calcium	Calibration	B
IASPOW-02	QG3001, QG3003	Arsenic	Method	B
	QG3001	Barium	ER	B
	QG3001, QG3002, QG3003	Calcium, Magnesium, Potassium, Sodium	ER	B

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met with the following exception(s):

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0011, QG0012, QG0013, QG0014, QG0015, QG0016, QG0017, QG0018, QG0019, QG0020	Arsenic, Selenium	J/UJ
	QG0001 through QG0021	Antimony	J/UJ

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Interference Check Sample All Interference Check Sample (ICS) percent recoveries were acceptable. All QC criteria were met.

Inductively Coupled Plasma Serial Dilutions

All QC criteria were met for the serial dilutions associated with the project samples with the following exception(s):

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0011, QG0012, QG0013, QG0014, QG0015, QG0016, QG0017, QG0018, QG0019, QG0020, QG0021	Zinc	J

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified with the following exception(s):

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0020, QG0021	Aluminum, Barium, Chromium, Arsenic, Potassium, Copper, Magnesium, Nickel, Zinc	J
IASPOW-02	QG3002, QG3003	Aluminum, Iron	J

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.4 Nitroaromatic and Nitramine Explosives by SW846 8330

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-02	All Samples	RDX	UJ

Blanks

The 5X rule for contaminants found in the associated equipment rinses and method blanks was

applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

2ND Column Confirmation

The percent difference QC criteria between columns for analyte concentrations were met.

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.5 Organophosphorus Pesticides by SW846 8141

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020, QG0021	Famphur, Naled	UJ

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-02	QG3002, QG3003	Azinphosmethyl, Coumaphos, Famphur	UJ

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-02	QG3002, QG3003	Demeton (Total), Disulfoton, Ethroprop	UJ

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020, QG0021	Naled	UJ
IASPOW-02	QG3002, QG3003	Demeton (Total)	UJ

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.6 Organochlorinated Pesticides by SW846 8081A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020, QG0021	Endosulfan II	UJ
IASPOW-02	QG3002, QG3003	4,4'-DDD	UJ

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-02	QG3003	Heptachlor	J

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated, and all QC criteria were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-02	QG3002, QG3003	Dieldrin, beta-BHC, alpha-chlordane	J

2ND Column Confirmation

The percent difference QC criteria between columns for analyte concentrations were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-02	QG3002	Endosulfan I, 4,4'-DDD, Aldrin	J
	QG3003	4,4'-DDT, gamma-BHC	J
	QG3002, QG3003	Heptachlor epoxide, beta-BHC	J

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.7 Herbicides by SW846 8151A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-01	QG0007, QG0008, QG0009, QG0019, QG0020, QG0021	2,2-Dichloropropanoic Acid (Dalapon)	UJ

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified.

2ND Column Confirmation

The percent difference QC criteria between columns for analyte concentrations were met.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

Attachment A:

Data Validation Qualifier Entry Verification Report

Validation Qualifiers

- U** Not detected. The compound/analyte was analyzed for, but not detected above the associated reporting limit.
- J** The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed.
- B** The concentration reported was detected significantly above the levels reported in the associated equipment rinse samples and/or laboratory method and trip blanks. (5X/10X Rule was applied).
- R** The reported sample results are rejected due to the following:
1. Severe deficiencies in the supporting quality control data.
 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data.
 3. The presence or absence of the constituent cannot be verified based on the data provided.
 4. To indicate not to use a particular result in the event of a reanalysis.
- UJ** The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the “nondetect” may be inaccurate or imprecise. The nondetect result should be estimated.

Validation Reason Code Definitions

Reason Code	Definition
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding time exceeded
02A	Extraction
02B	Analysis
03	Instrument performance – outside criteria
03A	BFB
03B	DFTPP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	Retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient >0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits
10A	Recovery
10B	Retention time
11	Laboratory control sample recoveries outside specified limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantitation
16	Multiple results available; alternate analysis preferred
17	Field duplicate RPD criteria is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgement was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantitation
24	Reported result and/or lab qualifier revised to reflect validation findings

Validation Qualifier Data Entry Verification

Fort McClellan

Run Date: August 1, 2002

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0007	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-07	15:39	
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-07	15:39	
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-07	15:39	
				2,4-DB	.023	mg/kg	U	N	Y	U	U					A141-07	15:39	
				DALAPON	.023	mg/kg	U	N	Y	U	UJ		05B			A141-07	15:39	
				DICAMBA	.023	mg/kg	U	N	Y	U	U					A141-07	15:39	
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-07	15:39	
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-07	15:39	
				MCPA	2.3	mg/kg	U	N	Y	U	U					A141-07	15:39	
				MCPP	2.3	mg/kg	U	N	Y	U	U					A141-07	15:39	
QG0008	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-08	16:08	
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-08	16:08	
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-08	16:08	
				2,4-DB	.025	mg/kg	U	N	Y	U	U					A141-08	16:08	
				DALAPON	.025	mg/kg	U	N	Y	U	UJ		05B			A141-08	16:08	
				DICAMBA	.025	mg/kg	U	N	Y	U	U					A141-08	16:08	
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-08	16:08	
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-08	16:08	
				MCPA	2.5	mg/kg	U	N	Y	U	U					A141-08	16:08	
				MCPP	.74	mg/kg	JN	Y	Y	P	J		15			A141-08	16:08	
QG0009	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y		U					A141-09	16:38	
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y		U					A141-09	16:38	
				2,4-D	.012	mg/kg	U	N	Y		U					A141-09	16:38	
				2,4-DB	.024	mg/kg	U	N	Y		U					A141-09	16:38	
				DALAPON	.024	mg/kg	U	N	Y		UJ		05B			A141-09	16:38	
				DICAMBA	.024	mg/kg	U	N	Y		U					A141-09	16:38	
				DICHLOROPROP	.012	mg/kg	U	N	Y		U					A141-09	16:38	
				DINOSEB	.012	mg/kg	U	N	Y		U					A141-09	16:38	
				MCPA	2.4	mg/kg	U	N	Y		U					A141-09	16:38	
				MCPP	2.4	mg/kg	U	N	Y		U					A141-09	16:38	
QG0019	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-19	17:07	
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-19	17:07	
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-19	17:07	
				2,4-DB	.024	mg/kg	U	N	Y	U	U					A141-19	17:07	
				DALAPON	.024	mg/kg	U	N	Y	U	UJ		05B			A141-19	17:07	
				DICAMBA	.024	mg/kg	U	N	Y	U	U					A141-19	17:07	
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-19	17:07	
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-19	17:07	
				MCPA	2.4	mg/kg	U	N	Y	U	U					A141-19	17:07	
				MCPP	2.4	mg/kg	U	N	Y	U	U					A141-19	17:07	

Validation Qualifier Data Entry Verification

Fort McClellan

Run Date: August 1, 2002

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0020	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				2,4-DB	.024	mg/kg	U	N	Y	U	U					A141-20	17:36
				DALAPON	.024	mg/kg	U	N	Y	U	UJ		05B			A141-20	17:36
				DICAMBA	.024	mg/kg	U	N	Y	U	U					A141-20	17:36
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				MCPA	2.4	mg/kg	U	N	Y	U	U					A141-20	17:36
				MCPP	.6	mg/kg	JN	Y	Y	P	J		15			A141-20	17:36
QG0021	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y		U					A141-21	18:05
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y		U					A141-21	18:05
				2,4-D	.012	mg/kg	U	N	Y		U					A141-21	18:05
				2,4-DB	.024	mg/kg	U	N	Y		U					A141-21	18:05
				DALAPON	.024	mg/kg	U	N	Y		UJ		05B			A141-21	18:05
				DICAMBA	.024	mg/kg	U	N	Y		U					A141-21	18:05
				DICHLOROPROP	.012	mg/kg	U	N	Y		U					A141-21	18:05
				DINOSEB	.012	mg/kg	U	N	Y		U					A141-21	18:05
				MCPA	2.4	mg/kg	U	N	Y		U					A141-21	18:05
				MCPP	2.4	mg/kg	U	N	Y		U					A141-21	18:05
QG0007	SW8081A	SW3550	N 0 1	4,4'-DDD	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				4,4'-DDE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				4,4'-DDT	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ALDRIN	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				ALPHA-BHC	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				ALPHA-CHLORDANE	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				BETA-BHC	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				DELTA-BHC	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				DIELDRIN	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDOSULFAN I	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDOSULFAN II	.0046	mg/kg	U	N	Y	U	UJ		05B			A141-07	17:04
				ENDOSULFAN SULFATE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDRIN	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDRIN ALDEHYDE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDRIN KETONE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				GAMMA-BHC (LINDANE)	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				GAMMA-CHLORDANE	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				HEPTACHLOR	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				HEPTACHLOR EPOXIDE	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				METHOXYCHLOR	.023	mg/kg	U	N	Y	U	U					A141-07	17:04

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0007	SW8081A	SW3550	N 0 1	TOXAPHENE	.046	mg/kg	U	N	Y	U	U					A141-07	17:04
QG0008	SW8081A	SW3550	N 0 1	4,4'-DDD	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				4,4'-DDE	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				4,4'-DDT	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				ALDRIN	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				ALPHA-BHC	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				ALPHA-CHLORDANE	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				BETA-BHC	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				DELTA-BHC	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				DIELDRIN	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				ENDOSULFAN I	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				ENDOSULFAN II	.0049	mg/kg	U	N	Y	U	UJ		05B			A141-08	17:29
				ENDOSULFAN SULFATE	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				ENDRIN	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				ENDRIN ALDEHYDE	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				ENDRIN KETONE	.0049	mg/kg	U	N	Y	U	U					A141-08	17:29
				GAMMA-BHC (LINDANE)	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				GAMMA-CHLORDANE	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				HEPTACHLOR	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				HEPTACHLOR EPOXIDE	.0025	mg/kg	U	N	Y	U	U					A141-08	17:29
				METHOXYCHLOR	.025	mg/kg	U	N	Y	U	U					A141-08	17:29
				TOXAPHENE	.049	mg/kg	U	N	Y	U	U					A141-08	17:29
QG0009	SW8081A	SW3550	N 0 1	4,4'-DDD	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				4,4'-DDE	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				4,4'-DDT	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				ALDRIN	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				ALPHA-BHC	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				BETA-BHC	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				DELTA-BHC	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				DIELDRIN	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				ENDOSULFAN I	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				ENDOSULFAN II	.0048	mg/kg	U	N	Y		UJ		05B			A141-09	17:54
				ENDOSULFAN SULFATE	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				ENDRIN	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				ENDRIN ALDEHYDE	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				ENDRIN KETONE	.0048	mg/kg	U	N	Y		U					A141-09	17:54
				GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y		U					A141-09	17:54
				HEPTACHLOR	.0024	mg/kg	U	N	Y		U					A141-09	17:54

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Sample Number:	Analytical/Extraction Method:		Fit	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
															1	2	3	4		
IASPOW-01																				
QG0009	SW8081A	SW3550	N	0	1	HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y		U						A141-09	17:54
						METHOXYCHLOR	.024	mg/kg	U	N	Y		U						A141-09	17:54
						TOXAPHENE	.048	mg/kg	U	N	Y		U						A141-09	17:54
QG0019	SW8081A	SW3550	N	0	1	4,4'-DDD	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						4,4'-DDE	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						4,4'-DDT	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						ALDRIN	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						ALPHA-BHC	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						BETA-BHC	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						DELTA-BHC	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						DIELDRIN	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						ENDOSULFAN I	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						ENDOSULFAN II	.0047	mg/kg	U	N	Y	U	UJ		05B				A141-19	18:20
						ENDOSULFAN SULFATE	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						ENDRIN	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						ENDRIN ALDEHYDE	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						ENDRIN KETONE	.0047	mg/kg	U	N	Y	U	U						A141-19	18:20
						GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						HEPTACHLOR	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y	U	U						A141-19	18:20
						METHOXYCHLOR	.024	mg/kg	U	N	Y	U	U						A141-19	18:20
						TOXAPHENE	.047	mg/kg	U	N	Y	U	U						A141-19	18:20
QG0020	SW8081A	SW3550	N	0	1	4,4'-DDD	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						4,4'-DDE	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						4,4'-DDT	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						ALDRIN	.0024	mg/kg	U	N	Y	U	U						A141-20	18:45
						ALPHA-BHC	.0024	mg/kg	U	N	Y	U	U						A141-20	18:45
						ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U						A141-20	18:45
						BETA-BHC	.0024	mg/kg	U	N	Y	U	U						A141-20	18:45
						DELTA-BHC	.0024	mg/kg	U	N	Y	U	U						A141-20	18:45
						DIELDRIN	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						ENDOSULFAN I	.0024	mg/kg	U	N	Y	U	U						A141-20	18:45
						ENDOSULFAN II	.0048	mg/kg	U	N	Y	U	UJ		05B				A141-20	18:45
						ENDOSULFAN SULFATE	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						ENDRIN	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						ENDRIN ALDEHYDE	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						ENDRIN KETONE	.0048	mg/kg	U	N	Y	U	U						A141-20	18:45
						GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y	U	U						A141-20	18:45

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		Time:
IASPOW-01																		
QG0020	SW8081A	SW3550	N	0	1	GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U			A141-20	18:45	
						HEPTACHLOR	.0024	mg/kg	U	N	Y	U	U			A141-20	18:45	
						HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y	U	U			A141-20	18:45	
						METHOXYCHLOR	.024	mg/kg	U	N	Y	U	U			A141-20	18:45	
						TOXAPHENE	.048	mg/kg	U	N	Y	U	U			A141-20	18:45	
QG0021	SW8081A	SW3550	N	0	1	4,4'-DDD	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						4,4'-DDE	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						4,4'-DDT	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						ALDRIN	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						ALPHA-BHC	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						BETA-BHC	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						DELTA-BHC	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						DIELDRIN	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						ENDOSULFAN I	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						ENDOSULFAN II	.0048	mg/kg	U	N	Y		UJ		05B	A141-21	20:01	
						ENDOSULFAN SULFATE	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						ENDRIN	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						ENDRIN ALDEHYDE	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						ENDRIN KETONE	.0048	mg/kg	U	N	Y		U			A141-21	20:01	
						GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						HEPTACHLOR	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y		U			A141-21	20:01	
						METHOXYCHLOR	.024	mg/kg	U	N	Y		U			A141-21	20:01	
TOXAPHENE	.048	mg/kg	U	N	Y		U			A141-21	20:01							
QG0001	SW6010B	SW3050	N	0	1	ALUMINUM	22900	mg/kg		Y	Y	P				A141-01	22:29	
						ANTIMONY	11.8	mg/kg	U	N	Y	U	UJ		08A	A141-01	22:29	
						ARSENIC	8.8	mg/kg		Y	Y	P				A141-01	22:45	
						BARIUM	40.8	mg/kg		Y	Y	P				A141-01	22:29	
						BERYLLIUM	.618	mg/kg	J	Y	Y	P	J		15	A141-01	22:29	
						CADMIUM	1.18	mg/kg	U	N	Y	U	U			A141-01	22:29	
						CALCIUM	134	mg/kg		Y	Y	P				A141-01	22:29	
						CHROMIUM	12.8	mg/kg		Y	Y	P				A141-01	22:29	
						COBALT	7.13	mg/kg		Y	Y	P				A141-01	22:29	
						COPPER	12.8	mg/kg		Y	Y	P				A141-01	22:29	
						IRON	26100	mg/kg		Y	Y	P				A141-01	22:29	
						LEAD	26	mg/kg		Y	Y	P				A141-01	22:45	
						MAGNESIUM	665	mg/kg		Y	Y	P				A141-01	22:29	
						MANGANESE	868	mg/kg		Y	Y	P				A141-01	22:29	

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		Time:
IASPOW-01																		
QG0001	SW6010B	SW3050	N	0	1	NICKEL	11.4	mg/kg		Y	Y	P				A141-01	22:29	
						POTASSIUM	581	mg/kg	J	Y	Y	P	J	15		A141-01	22:29	
						SELENIUM	1.18	mg/kg	U	N	Y	U	U			A141-01	22:45	
						SILVER	1.74	mg/kg	J	Y	Y	P	J	15		A141-01	22:29	
						SODIUM	65.8	mg/kg	J	Y	Y	P	J	15		A141-01	22:29	
						THALLIUM	2.35	mg/kg	U	N	Y	U	U			A141-01	22:45	
						VANADIUM	36.6	mg/kg		Y	Y	P				A141-01	22:29	
						ZINC	37.9	mg/kg		Y	Y	P				A141-01	22:29	
QG0002	SW7471A	TOTAL	N	0	1	MERCURY	.0679	mg/kg	J	Y	Y	P	J	15		A141-01	14:33	
	SW6010B	SW3050	N	0	1	ALUMINUM	15200	mg/kg		Y	Y	P				A141-02	22:19	
ANTIMONY						11.3	mg/kg	U	N	Y	U	UJ	08A		A141-02	22:19		
ARSENIC						5.11	mg/kg		Y	Y	P				A141-02	22:29		
BARIUM						26.3	mg/kg		Y	Y	P				A141-02	22:19		
BERYLLIUM						1.13	mg/kg	U	N	Y	U	U			A141-02	22:19		
CADMIUM						1.13	mg/kg	U	N	Y	U	U			A141-02	22:19		
CALCIUM						47.7	mg/kg	J	Y	Y	P	J	15		A141-02	22:19		
CHROMIUM						10.7	mg/kg		Y	Y	P				A141-02	22:19		
COBALT						3.09	mg/kg		Y	Y	P				A141-02	22:19		
COPPER						7.64	mg/kg		Y	Y	P				A141-02	22:19		
IRON						15000	mg/kg		Y	Y	P				A141-02	22:19		
LEAD						10.6	mg/kg		Y	Y	P				A141-02	22:29		
MAGNESIUM						449	mg/kg		Y	Y	P				A141-02	22:19		
MANGANESE						169	mg/kg		Y	Y	P				A141-02	22:19		
NICKEL						7.27	mg/kg		Y	Y	P				A141-02	22:19		
POTASSIUM						489	mg/kg	J	Y	Y	P	J	15		A141-02	22:19		
SELENIUM						1.13	mg/kg	U	N	Y	U	U			A141-02	22:29		
SILVER						2.25	mg/kg	U	N	Y	U	U			A141-02	22:19		
SODIUM						56.9	mg/kg	J	Y	Y	P	J	15		A141-02	22:19		
THALLIUM						2.25	mg/kg	U	N	Y	U	U			A141-02	22:29		
VANADIUM	25.5	mg/kg		Y	Y	P				A141-02	22:19							
ZINC	17.3	mg/kg		Y	Y	P				A141-02	22:19							
QG0003	SW7471A	TOTAL	N	0	1	MERCURY	.0538	mg/kg	J	Y	Y	P	J	15		A141-02	14:35	
	SW6010B	SW3050	N	0	1	ALUMINUM	8440	mg/kg		Y	Y	P				A141-03	22:24	
ANTIMONY						11.1	mg/kg	U	N	Y	U	UJ	08A		A141-03	22:24		
ARSENIC						4.99	mg/kg		Y	Y	P				A141-03	22:34		
BARIUM						30.2	mg/kg		Y	Y	P				A141-03	22:24		
BERYLLIUM						.455	mg/kg	J	Y	Y	P	J	15		A141-03	22:24		
CADMIUM						1.11	mg/kg	U	N	Y	U	U			A141-03	22:24		
CALCIUM						101	mg/kg	J	Y	Y	P	J	15		A141-03	22:24		
CHROMIUM						6.6	mg/kg		Y	Y	P				A141-03	22:24		

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0003	SW6010B	SW3050	N 0 1	COBALT	4	mg/kg		Y	Y	P						A141-03	22:24
				COPPER	9.87	mg/kg		Y	Y	P						A141-03	22:24
				IRON	16600	mg/kg		Y	Y	P						A141-03	22:24
				LEAD	26.3	mg/kg		Y	Y	P						A141-03	22:34
				MAGNESIUM	326	mg/kg		Y	Y	P						A141-03	22:24
				MANGANESE	419	mg/kg		Y	Y	P						A141-03	22:24
				NICKEL	6.42	mg/kg		Y	Y	P						A141-03	22:24
				POTASSIUM	433	mg/kg	J	Y	Y	P	J		15			A141-03	22:24
				SELENIUM	1.11	mg/kg	U	N	Y	U	U					A141-03	22:34
				SILVER	2.21	mg/kg	U	N	Y	U	U					A141-03	22:24
				SODIUM	59.3	mg/kg	J	Y	Y	P	J		15			A141-03	22:24
				THALLIUM	2.21	mg/kg	U	N	Y	U	U					A141-03	22:34
				VANADIUM	16	mg/kg		Y	Y	P						A141-03	22:24
				ZINC	17.4	mg/kg		Y	Y	P						A141-03	22:24
	SW7471A	TOTAL	N 0 1	MERCURY	.111	mg/kg	U	N	Y	U	U					A141-03	14:38
QG0004	SW6010B	SW3050	N 0 1	ALUMINUM	18800	mg/kg		Y	Y	P						A141-04	23:02
				ANTIMONY	11.7	mg/kg	U	N	Y	U	UJ		08A			A141-04	23:02
				ARSENIC	5.55	mg/kg		Y	Y	P						A141-04	23:17
				BARIUM	87.6	mg/kg		Y	Y	P						A141-04	23:02
				BERYLLIUM	.561	mg/kg	J	Y	Y	P	J		15			A141-04	23:02
				CADMIUM	1.17	mg/kg	U	N	Y	U	U					A141-04	23:02
				CALCIUM	328	mg/kg		Y	Y	P						A141-04	23:02
				CHROMIUM	10.9	mg/kg		Y	Y	P						A141-04	23:02
				COBALT	6.47	mg/kg		Y	Y	P						A141-04	23:02
				COPPER	81.4	mg/kg		Y	Y	P						A141-04	23:02
				IRON	15200	mg/kg		Y	Y	P						A141-04	23:02
				LEAD	429	mg/kg		Y	Y	P						A141-04	23:17
				MAGNESIUM	681	mg/kg		Y	Y	P						A141-04	23:02
				MANGANESE	1560	mg/kg		Y	Y	P						A141-04	23:02
				NICKEL	10.3	mg/kg		Y	Y	P						A141-04	23:02
				POTASSIUM	659	mg/kg		Y	Y	P						A141-04	23:02
				SELENIUM	1.17	mg/kg	U	N	Y	U	U					A141-04	23:17
				SILVER	2.34	mg/kg	U	N	Y	U	U					A141-04	23:02
				SODIUM	64.7	mg/kg	J	Y	Y	P	J		15			A141-04	23:02
				THALLIUM	2.34	mg/kg	U	N	Y	U	U					A141-04	23:17
				VANADIUM	26.5	mg/kg		Y	Y	P						A141-04	23:02
				ZINC	39.3	mg/kg		Y	Y	P						A141-04	23:02
	SW7471A	TOTAL	N 0 1	MERCURY	.0377	mg/kg	J	Y	Y	P	J		15			A141-04	14:40
QG0005	SW6010B	SW3050	N 0 1	ALUMINUM	26500	mg/kg		Y	Y	P						A141-05	23:07
				ANTIMONY	11.5	mg/kg	U	N	Y	U	UJ		08A			A141-05	23:07

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0005	SW6010B	SW3050	N 0 1	ARSENIC	13.4	mg/kg		Y	Y	P						A141-05	23:22
				BARIUM	77.7	mg/kg		Y	Y	P						A141-05	23:07
				BERYLLIUM	.793	mg/kg	J	Y	Y	P	J		15			A141-05	23:07
				CADMIUM	1.15	mg/kg	U	N	Y	U	U					A141-05	23:07
				CALCIUM	327	mg/kg		Y	Y	P						A141-05	23:07
				CHROMIUM	14.4	mg/kg		Y	Y	P						A141-05	23:07
				COBALT	8.98	mg/kg		Y	Y	P						A141-05	23:07
				COPPER	37.6	mg/kg		Y	Y	P						A141-05	23:07
				IRON	29200	mg/kg		Y	Y	P						A141-05	23:07
				LEAD	110	mg/kg		Y	Y	P						A141-05	23:22
				MAGNESIUM	1070	mg/kg		Y	Y	P						A141-05	23:07
				MANGANESE	1290	mg/kg		Y	Y	P						A141-05	23:07
				NICKEL	15.4	mg/kg		Y	Y	P						A141-05	23:07
				POTASSIUM	1030	mg/kg		Y	Y	P						A141-05	23:07
				SELENIUM	1.15	mg/kg	U	N	Y	U	U					A141-05	23:22
				SILVER	1.88	mg/kg	J	Y	Y	P	J		15			A141-05	23:07
				SODIUM	64.3	mg/kg	J	Y	Y	P	J		15			A141-05	23:07
				THALLIUM	2.3	mg/kg	U	N	Y	U	U					A141-05	23:22
				VANADIUM	38.6	mg/kg		Y	Y	P						A141-05	23:07
				ZINC	40	mg/kg		Y	Y	P						A141-05	23:07
	SW7471A	TOTAL	N 0 1	MERCURY	.0403	mg/kg	J	Y	Y	P	J		15			A141-05	14:42
QG0006	SW6010B	SW3050	N 0 1	ALUMINUM	19600	mg/kg		Y	Y	P						A141-06	23:12
				ANTIMONY	1330	mg/kg		Y	Y	P	J		08A			A141-06	23:12
				ARSENIC	117	mg/kg		Y	Y	P						A141-06	23:28
				BARIUM	68.4	mg/kg		Y	Y	P						A141-06	23:12
				BERYLLIUM	.96	mg/kg	J	Y	Y	P	J		15			A141-06	23:12
				CADMIUM	1.18	mg/kg	U	N	Y	U	U					A141-06	23:12
				CALCIUM	202	mg/kg		Y	Y	P						A141-06	23:12
				CHROMIUM	16.6	mg/kg		Y	Y	P						A141-06	23:12
				COBALT	8.99	mg/kg		Y	Y	P						A141-06	23:12
				COPPER	38.4	mg/kg		Y	Y	P						A141-06	23:12
				IRON	33100	mg/kg		Y	Y	P						A141-06	23:12
				LEAD	22200	mg/kg		Y	Y	P						A141-06	23:28
				MAGNESIUM	733	mg/kg		Y	Y	P						A141-06	23:12
				MANGANESE	1300	mg/kg		Y	Y	P						A141-06	23:12
				NICKEL	13.1	mg/kg		Y	Y	P						A141-06	23:12
				POTASSIUM	801	mg/kg		Y	Y	P						A141-06	23:12
				SELENIUM	1.18	mg/kg	U	N	Y	U	U					A141-06	23:28
				SILVER	3.01	mg/kg		Y	Y	P						A141-06	23:12
				SODIUM	64.4	mg/kg	J	Y	Y	P	J		15			A141-06	23:12

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:			
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4					
IASPOW-01																					
QG0006	SW6010B	SW3050	N 0 1	THALLIUM	2.35	mg/kg	U	N	Y	U	U					A141-06	23:28				
				VANADIUM	34.6	mg/kg		Y	Y	P				A141-06	23:12						
				ZINC	38.4	mg/kg		Y	Y	P				A141-06	23:12						
	SW7471A	TOTAL	N 0 1	MERCURY	.0426	mg/kg	J	Y	Y	P	J		15		A141-06	14:50					
QG0007	SW6010B	SW3050	N 0 1	ALUMINUM	21700	mg/kg		Y	Y	P						A141-07	23:16				
				ANTIMONY	11.5	mg/kg	U	N	Y	U	UJ		08A		A141-07	23:16					
				ARSENIC	10	mg/kg		Y	Y	P					A141-07	23:33					
				BARIUM	106	mg/kg		Y	Y	P					A141-07	23:16					
				BERYLLIUM	.871	mg/kg	J	Y	Y	P	J		15		A141-07	23:16					
				CADMIUM	1.15	mg/kg	U	N	Y	U	U				A141-07	23:16					
				CALCIUM	394	mg/kg		Y	Y	P					A141-07	23:16					
				CHROMIUM	14.7	mg/kg		Y	Y	P					A141-07	23:16					
				COBALT	9.4	mg/kg		Y	Y	P					A141-07	23:16					
				COPPER	55.5	mg/kg		Y	Y	P					A141-07	23:16					
				IRON	27300	mg/kg		Y	Y	P					A141-07	23:16					
				LEAD	225	mg/kg		Y	Y	P					A141-07	23:33					
				MAGNESIUM	753	mg/kg		Y	Y	P					A141-07	23:16					
				MANGANESE	1690	mg/kg		Y	Y	P					A141-07	23:16					
				NICKEL	13.9	mg/kg		Y	Y	P					A141-07	23:16					
				POTASSIUM	705	mg/kg		Y	Y	P					A141-07	23:16					
				SELENIUM	1.15	mg/kg	U	N	Y	U	U				A141-07	23:33					
				SILVER	1.8	mg/kg	J	Y	Y	P	J		15		A141-07	23:16					
				SODIUM	68.2	mg/kg	J	Y	Y	P	J		15		A141-07	23:16					
				THALLIUM	2.31	mg/kg	U	N	Y	U	U				A141-07	23:33					
				VANADIUM	35.2	mg/kg		Y	Y	P					A141-07	23:16					
				ZINC	37	mg/kg		Y	Y	P					A141-07	23:16					
					SW7471A	TOTAL	N 0 1	MERCURY	.0333	mg/kg	J	Y	Y	P	J		15		A141-07	14:52	
				QG0008	SW6010B	SW3050	N 0 1	ALUMINUM	23100	mg/kg		Y	Y	P						A141-08	23:21
								ANTIMONY	12.3	mg/kg	U	N	Y	U	UJ		08A		A141-08	23:21	
								ARSENIC	6.56	mg/kg		Y	Y	P					A141-08	23:38	
								BARIUM	35.6	mg/kg		Y	Y	P					A141-08	23:21	
BERYLLIUM	.433	mg/kg	J					Y	Y	P	J		15		A141-08	23:21					
CADMIUM	1.23	mg/kg	U					N	Y	U	U				A141-08	23:21					
CALCIUM	144	mg/kg						Y	Y	P					A141-08	23:21					
CHROMIUM	15.5	mg/kg						Y	Y	P					A141-08	23:21					
COBALT	4.93	mg/kg						Y	Y	P					A141-08	23:21					
COPPER	11.8	mg/kg						Y	Y	P					A141-08	23:21					
IRON	23800	mg/kg						Y	Y	P					A141-08	23:21					
LEAD	17.1	mg/kg						Y	Y	P					A141-08	23:38					
MAGNESIUM	633	mg/kg						Y	Y	P					A141-08	23:21					

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
													Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0008	SW6010B	SW3050	N	0	1	MANGANESE	258	mg/kg		Y	Y	P							A141-08	23:21
						NICKEL	11.7	mg/kg		Y	Y	P					A141-08	23:21		
						POTASSIUM	603	mg/kg	J	Y	Y	P	J		15			A141-08	23:21	
						SELENIUM	1.23	mg/kg	U	N	Y	U	U					A141-08	23:38	
						SILVER	1.91	mg/kg	J	Y	Y	P	J		15			A141-08	23:21	
						SODIUM	68	mg/kg	J	Y	Y	P	J		15			A141-08	23:21	
						THALLIUM	2.45	mg/kg	U	N	Y	U	U					A141-08	23:38	
						VANADIUM	34.4	mg/kg		Y	Y	P						A141-08	23:21	
						ZINC	28.1	mg/kg		Y	Y	P						A141-08	23:21	
QG0009	SW7471A	TOTAL	N	0	1	MERCURY	.0736	mg/kg	J	Y	Y	P	J		15			A141-08	14:54	
	SW6010B	SW3050	N	0	1	ALUMINUM	22000	mg/kg		Y	Y							A141-09	23:26	
						ANTIMONY	11.9	mg/kg	U	N	Y		UJ		08A			A141-09	23:26	
						ARSENIC	7.02	mg/kg		Y	Y							A141-09	23:44	
						BARIUM	33.3	mg/kg		Y	Y							A141-09	23:26	
						BERYLLIUM	.442	mg/kg	J	Y	Y		J		15			A141-09	23:26	
						CADMIUM	1.19	mg/kg	U	N	Y		U					A141-09	23:26	
						CALCIUM	136	mg/kg		Y	Y							A141-09	23:26	
						CHROMIUM	19.2	mg/kg		Y	Y							A141-09	23:26	
COBALT						4.61	mg/kg		Y	Y							A141-09	23:26		
COPPER						11.2	mg/kg		Y	Y							A141-09	23:26		
IRON						23400	mg/kg		Y	Y							A141-09	23:26		
LEAD						15.4	mg/kg		Y	Y							A141-09	23:44		
MAGNESIUM						621	mg/kg		Y	Y							A141-09	23:26		
MANGANESE						245	mg/kg		Y	Y							A141-09	23:26		
NICKEL						10.9	mg/kg		Y	Y							A141-09	23:26		
POTASSIUM						614	mg/kg		Y	Y							A141-09	23:26		
SELENIUM						1.19	mg/kg	U	N	Y		U					A141-09	23:44		
SILVER	1.64	mg/kg	J	Y	Y		J		15			A141-09	23:26							
SODIUM	63.7	mg/kg	J	Y	Y		J		15			A141-09	23:26							
THALLIUM	2.38	mg/kg	U	N	Y		U					A141-09	23:44							
VANADIUM	33.9	mg/kg		Y	Y							A141-09	23:26							
ZINC	27.6	mg/kg		Y	Y							A141-09	23:26							
QG0010	SW7471A	TOTAL	N	0	1	MERCURY	.0724	mg/kg	J	Y	Y		J		15			A141-09	14:57	
	SW6010B	SW3050	N	0	1	ALUMINUM	26900	mg/kg		Y	Y	P						A141-10	23:31	
						ANTIMONY	12	mg/kg	U	N	Y	U	UJ		08A			A141-10	23:31	
						ARSENIC	9.19	mg/kg		Y	Y	P						A141-10	23:49	
						BARIUM	51.1	mg/kg		Y	Y	P						A141-10	23:31	
						BERYLLIUM	.641	mg/kg	J	Y	Y	P	J		15			A141-10	23:31	
						CADMIUM	1.2	mg/kg	U	N	Y	U	U					A141-10	23:31	
						CALCIUM	231	mg/kg		Y	Y	P						A141-10	23:31	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0010	SW6010B	SW3050	N 0 1	CHROMIUM	19.9	mg/kg		Y	Y	P						A141-10	23:31
				COBALT	23.4	mg/kg		Y	Y	P						A141-10	23:31
				COPPER	14.8	mg/kg		Y	Y	P						A141-10	23:31
				IRON	33100	mg/kg		Y	Y	P						A141-10	23:31
				LEAD	65.2	mg/kg		Y	Y	P						A141-10	23:49
				MAGNESIUM	788	mg/kg		Y	Y	P						A141-10	23:31
				MANGANESE	2320	mg/kg		Y	Y	P						A141-10	23:31
				NICKEL	11.7	mg/kg		Y	Y	P						A141-10	23:31
				POTASSIUM	669	mg/kg		Y	Y	P						A141-10	23:31
				SELENIUM	.694	mg/kg	J	Y	Y	P	J		15			A141-10	23:49
				SILVER	2.13	mg/kg	J	Y	Y	P	J		15			A141-10	23:31
				SODIUM	64.2	mg/kg	J	Y	Y	P	J		15			A141-10	23:31
				THALLIUM	2.4	mg/kg	U	N	Y	U	U					A141-10	23:49
				VANADIUM	47.8	mg/kg		Y	Y	P						A141-10	23:31
				ZINC	31	mg/kg		Y	Y	P						A141-10	23:31
QG0011	SW7471A	TOTAL	N 0 1	MERCURY	.112	mg/kg	J	Y	Y	P	J		15			A141-10	14:59
	SW6010B	SW3050	N 0 1	ALUMINUM	30100	mg/kg		Y	Y	P						A141-11	12:27
				ANTIMONY	12.2	mg/kg	U	N	Y	U	UJ		08A			A141-11	12:27
				ARSENIC	11	mg/kg		Y	Y	P	J		08A			A141-11	15:03
				BARIUM	42.9	mg/kg		Y	Y	P						A141-11	12:27
				BERYLLIUM	.688	mg/kg	J	Y	Y	P	J		15			A141-11	12:27
				CADMIUM	1.22	mg/kg	U	N	Y	U	U					A141-11	12:27
				CALCIUM	120	mg/kg	J	Y	Y	P	J		15			A141-11	12:27
				CHROMIUM	19.7	mg/kg		Y	Y	P						A141-11	12:27
				COBALT	10.3	mg/kg		Y	Y	P						A141-11	12:27
				COPPER	19	mg/kg		Y	Y	P						A141-11	12:27
				IRON	35100	mg/kg		Y	Y	P						A141-11	12:27
				LEAD	29.9	mg/kg		Y	Y	P						A141-11	15:03
				MAGNESIUM	863	mg/kg		Y	Y	P						A141-11	12:27
				MANGANESE	633	mg/kg		Y	Y	P						A141-11	12:27
				NICKEL	13.4	mg/kg		Y	Y	P						A141-11	12:27
				POTASSIUM	810	mg/kg		Y	Y	P						A141-11	12:27
				SELENIUM	.898	mg/kg	J	Y	Y	P	J		08A	15		A141-11	15:03
				SILVER	2.44	mg/kg	U	N	Y	U	U					A141-11	12:27
				SODIUM	43.9	mg/kg	J	Y	Y	P	J		15			A141-11	12:27
				THALLIUM	2.44	mg/kg	U	N	Y	U	U					A141-11	15:03
				VANADIUM	53.9	mg/kg		Y	Y	P						A141-11	12:27
				ZINC	41.1	mg/kg		Y	Y	P	J		13			A141-11	12:27
	SW7471A	TOTAL	N 0 1	MERCURY	.109	mg/kg	J	Y	Y	P	J		15			A141-11	15:01
QG0012	SW6010B	SW3050	N 0 1	ALUMINUM	31400	mg/kg		Y	Y	P						A141-12	12:32

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0012	SW6010B	SW3050	N 0 1	ANTIMONY	12	mg/kg	U	N Y U	UJ		08A				A141-12	12:32
				ARSENIC	12.1	mg/kg		Y Y P	J		08A				A141-12	15:08
				BARIUM	118	mg/kg		Y Y P							A141-12	12:32
				BERYLLIUM	1.3	mg/kg		Y Y P							A141-12	12:32
				CADMIUM	1.2	mg/kg	U	N Y U	U						A141-12	12:32
				CALCIUM	219	mg/kg		Y Y P							A141-12	12:32
				CHROMIUM	37.7	mg/kg		Y Y P							A141-12	12:32
				COBALT	14.4	mg/kg		Y Y P							A141-12	12:32
				COPPER	28.4	mg/kg		Y Y P							A141-12	12:32
				IRON	33600	mg/kg		Y Y P							A141-12	12:32
				LEAD	116	mg/kg		Y Y P							A141-12	15:08
				MAGNESIUM	964	mg/kg		Y Y P							A141-12	12:32
				MANGANESE	3190	mg/kg		Y Y P							A141-12	12:32
				NICKEL	16.8	mg/kg		Y Y P							A141-12	12:32
				POTASSIUM	887	mg/kg		Y Y P							A141-12	12:32
				SELENIUM	1.2	mg/kg	U	N Y U	UJ		08A				A141-12	15:08
				SILVER	2.39	mg/kg	U	N Y U	U						A141-12	12:32
				SODIUM	47.4	mg/kg	J	Y Y P	J		15				A141-12	12:32
				THALLIUM	2.39	mg/kg	U	N Y U	U						A141-12	15:08
				VANADIUM	52.9	mg/kg		Y Y P							A141-12	12:32
				ZINC	46.6	mg/kg		Y Y P	J		13				A141-12	12:32
	SW7471A	TOTAL	N 0 1	MERCURY	.0386	mg/kg	J	Y Y P	J		15				A141-12	15:03
QG0013	SW6010B	SW3050	N 0 1	ALUMINUM	31600	mg/kg		Y Y P							A141-13	13:10
				ANTIMONY	12	mg/kg	U	N Y U	UJ		08A				A141-13	13:10
				ARSENIC	12	mg/kg		Y Y P	J		08A				A141-13	15:51
				BARIUM	53.3	mg/kg		Y Y P							A141-13	13:10
				BERYLLIUM	.748	mg/kg	J	Y Y P	J		15				A141-13	13:10
				CADMIUM	1.2	mg/kg	U	N Y U	U						A141-13	13:10
				CALCIUM	87.4	mg/kg	J	Y Y P	J		15				A141-13	13:10
				CHROMIUM	18.8	mg/kg		Y Y P							A141-13	13:10
				COBALT	18	mg/kg		Y Y P							A141-13	13:10
				COPPER	18.6	mg/kg		Y Y P							A141-13	13:10
				IRON	36100	mg/kg		Y Y P							A141-13	13:10
				LEAD	41	mg/kg		Y Y P							A141-13	15:51
				MAGNESIUM	879	mg/kg		Y Y P							A141-13	13:10
				MANGANESE	1180	mg/kg		Y Y P							A141-13	13:10
				NICKEL	15	mg/kg		Y Y P							A141-13	13:10
				POTASSIUM	840	mg/kg		Y Y P							A141-13	13:10
				SELENIUM	.836	mg/kg	J	Y Y P	J		08A 15				A141-13	15:51
				SILVER	2.41	mg/kg	U	N Y U	U						A141-13	13:10

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Sample Number:	Analytical/Extraction				Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:					
	Method:	Flt	REX	Dil:								Qlfr	Code:	1	2	3	4							
IASPOW-01																								
QG0013	SW6010B	SW3050	N	0	1	SODIUM	47.3	mg/kg	J	Y	Y	P	J	15				A141-13	13:10					
						THALLIUM	2.41	mg/kg	U	N	Y	U	U				A141-13	15:51						
						VANADIUM	59.7	mg/kg		Y	Y	P					A141-13	13:10						
						ZINC	43.8	mg/kg		Y	Y	P	J	13			A141-13	13:10						
	SW7471A	TOTAL	N	0	1	MERCURY	.0811	mg/kg	J	Y	Y	P	J	15			A141-13	15:05						
QG0014	SW6010B	SW3050	N	0	1	ALUMINUM	24500	mg/kg		Y	Y	P					A141-14	13:15						
						ANTIMONY	11.7	mg/kg	U	N	Y	U	UJ	08A		A141-14	13:15							
						ARSENIC	16.6	mg/kg		Y	Y	P	J	08A		A141-14	15:56							
						BARIUM	115	mg/kg		Y	Y	P				A141-14	13:15							
						BERYLLIUM	1.28	mg/kg		Y	Y	P				A141-14	13:15							
						CADMIUM	1.17	mg/kg	U	N	Y	U	U			A141-14	13:15							
						CALCIUM	234	mg/kg		Y	Y	P				A141-14	13:15							
						CHROMIUM	16.7	mg/kg		Y	Y	P				A141-14	13:15							
						COBALT	10.9	mg/kg		Y	Y	P				A141-14	13:15							
						COPPER	53.6	mg/kg		Y	Y	P				A141-14	13:15							
						IRON	39800	mg/kg		Y	Y	P				A141-14	13:15							
						LEAD	164	mg/kg		Y	Y	P				A141-14	15:56							
						MAGNESIUM	896	mg/kg		Y	Y	P				A141-14	13:15							
						MANGANESE	1830	mg/kg		Y	Y	P				A141-14	13:15							
						NICKEL	17.3	mg/kg		Y	Y	P				A141-14	13:15							
						POTASSIUM	1020	mg/kg		Y	Y	P				A141-14	13:15							
						SELENIUM	1.17	mg/kg	U	N	Y	U	UJ	08A		A141-14	15:56							
						SILVER	2.34	mg/kg	U	N	Y	U	U			A141-14	13:15							
						SODIUM	40.3	mg/kg	J	Y	Y	P	J	15		A141-14	13:15							
						THALLIUM	2.34	mg/kg	U	N	Y	U	U			A141-14	15:56							
						VANADIUM	44.3	mg/kg		Y	Y	P				A141-14	13:15							
						ZINC	55.4	mg/kg		Y	Y	P	J	13		A141-14	13:15							
							SW7471A	TOTAL	N	0	1	MERCURY	.0458	mg/kg	J	Y	Y	P	J	15			A141-14	15:07
						QG0015	SW6010B	SW3050	N	0	1	ALUMINUM	32000	mg/kg		Y	Y	P					A141-15	13:19
ANTIMONY	11.9	mg/kg	U	N	Y							U	UJ	08A		A141-15	13:19							
ARSENIC	10.4	mg/kg		Y	Y							P	J	08A		A141-15	16:01							
BARIUM	89.9	mg/kg		Y	Y							P				A141-15	13:19							
BERYLLIUM	.813	mg/kg	J	Y	Y							P	J	15		A141-15	13:19							
CADMIUM	1.19	mg/kg	U	N	Y							U	U			A141-15	13:19							
CALCIUM	444	mg/kg		Y	Y							P				A141-15	13:19							
CHROMIUM	20.8	mg/kg		Y	Y							P				A141-15	13:19							
COBALT	9.85	mg/kg		Y	Y							P				A141-15	13:19							
COPPER	26.6	mg/kg		Y	Y							P				A141-15	13:19							
IRON	29400	mg/kg		Y	Y							P				A141-15	13:19							
LEAD	62.9	mg/kg		Y	Y							P				A141-15	16:01							

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											1	2	3	4		
IASPOW-01																
QG0015	SW6010B	SW3050	N 0 1	MAGNESIUM	1070	mg/kg		Y Y P							A141-15	13:19
				MANGANESE	770	mg/kg		Y Y P							A141-15	13:19
				NICKEL	15.3	mg/kg		Y Y P							A141-15	13:19
				POTASSIUM	903	mg/kg		Y Y P							A141-15	13:19
				SELENIUM	.627	mg/kg	J	Y Y P	J		08A	15			A141-15	16:01
				SILVER	2.38	mg/kg	U	N Y U	U						A141-15	13:19
				SODIUM	43.4	mg/kg	J	Y Y P	J		15				A141-15	13:19
				THALLIUM	2.38	mg/kg	U	N Y U	U						A141-15	16:01
				VANADIUM	46.3	mg/kg		Y Y P							A141-15	13:19
				ZINC	47.9	mg/kg		Y Y P	J		13				A141-15	13:19
QG0016	SW7471A	TOTAL	N 0 1	MERCURY	.05	mg/kg	J	Y Y P	J		15				A141-15	15:17
	SW6010B	SW3050	N 0 1	ALUMINUM	30600	mg/kg		Y Y P							A141-16	13:24
				ANTIMONY	11.6	mg/kg	U	N Y U	UJ		08A				A141-16	13:24
				ARSENIC	13.8	mg/kg		Y Y P	J		08A				A141-16	16:07
				BARIUM	114	mg/kg		Y Y P							A141-16	13:24
				BERYLLIUM	1.15	mg/kg	J	Y Y P	J		15				A141-16	13:24
				CADMIUM	1.16	mg/kg	U	N Y U	U						A141-16	13:24
				CALCIUM	1390	mg/kg		Y Y P							A141-16	13:24
				CHROMIUM	21.6	mg/kg		Y Y P							A141-16	13:24
				COBALT	14.5	mg/kg		Y Y P							A141-16	13:24
				COPPER	37.8	mg/kg		Y Y P							A141-16	13:24
				IRON	32700	mg/kg		Y Y P							A141-16	13:24
				LEAD	193	mg/kg		Y Y P							A141-16	16:07
				MAGNESIUM	1420	mg/kg		Y Y P							A141-16	13:24
				MANGANESE	2660	mg/kg		Y Y P							A141-16	13:24
				NICKEL	18.2	mg/kg		Y Y P							A141-16	13:24
				POTASSIUM	1040	mg/kg		Y Y P							A141-16	13:24
				SELENIUM	1.16	mg/kg	U	N Y U	UJ		08A				A141-16	16:07
				SILVER	2.33	mg/kg	U	N Y U	U						A141-16	13:24
QG0017	SW6010B	SW3050	N 0 1	SODIUM	55.1	mg/kg	J	Y Y P	J		15				A141-16	13:24
				THALLIUM	2.33	mg/kg	U	N Y U	U						A141-16	16:07
				VANADIUM	48.4	mg/kg		Y Y P							A141-16	13:24
				ZINC	47.2	mg/kg		Y Y P	J		13				A141-16	13:24
	SW7471A	TOTAL	N 0 1	MERCURY	.0418	mg/kg	J	Y Y P	J		15				A141-16	15:19
	SW6010B	SW3050	N 0 1	ALUMINUM	20500	mg/kg		Y Y P							A141-17	13:29
				ANTIMONY	11.7	mg/kg	U	N Y U	UJ		08A				A141-17	13:29
				ARSENIC	5.51	mg/kg		Y Y P	J		08A				A141-17	16:12
				BARIUM	42.9	mg/kg		Y Y P							A141-17	13:29
				BERYLLIUM	.473	mg/kg	J	Y Y P	J		15				A141-17	13:29
				CADMIUM	1.17	mg/kg	U	N Y U	U						A141-17	13:29

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											1	2	3	4		
IASPOW-01																
QG0017	SW6010B	SW3050	N 0 1	CALCIUM	72.7	mg/kg	J	Y Y P	J		15				A141-17	13:29
				CHROMIUM	14.6	mg/kg		Y Y P					A141-17	13:29		
				COBALT	4.54	mg/kg		Y Y P					A141-17	13:29		
				COPPER	12.5	mg/kg		Y Y P					A141-17	13:29		
				IRON	22000	mg/kg		Y Y P					A141-17	13:29		
				LEAD	14.6	mg/kg		Y Y P					A141-17	16:12		
				MAGNESIUM	635	mg/kg		Y Y P					A141-17	13:29		
				MANGANESE	299	mg/kg		Y Y P					A141-17	13:29		
				NICKEL	8.65	mg/kg		Y Y P					A141-17	13:29		
				POTASSIUM	635	mg/kg		Y Y P					A141-17	13:29		
				SELENIUM	1.17	mg/kg	U	N Y U	UJ		08A			A141-17	16:12	
				SILVER	2.35	mg/kg	U	N Y U	U					A141-17	13:29	
				SODIUM	39.4	mg/kg	J	Y Y P	J		15			A141-17	13:29	
				THALLIUM	2.35	mg/kg	U	N Y U	U					A141-17	16:12	
				VANADIUM	34	mg/kg		Y Y P						A141-17	13:29	
				ZINC	29.1	mg/kg		Y Y P	J		13			A141-17	13:29	
QG0018	SW7471A	TOTAL	N 0 1	MERCURY	.0357	mg/kg	J	Y Y P	J		15				A141-17	15:21
	SW6010B	SW3050	N 0 1	ALUMINUM	20000	mg/kg		Y Y P							A141-18	13:34
				ANTIMONY	12	mg/kg	U	N Y U	UJ		08A				A141-18	13:34
				ARSENIC	7.51	mg/kg		Y Y P	J		08A				A141-18	16:17
				BARIUM	50.8	mg/kg		Y Y P							A141-18	13:34
				BERYLLIUM	.577	mg/kg	J	Y Y P	J		15				A141-18	13:34
				CADMIUM	1.2	mg/kg	U	N Y U	U						A141-18	13:34
				CALCIUM	49.9	mg/kg	J	Y Y F	B		06B 15				A141-18	13:34
				CHROMIUM	22.6	mg/kg		Y Y P							A141-18	13:34
				COBALT	2.71	mg/kg		Y Y P							A141-18	13:34
				COPPER	14.3	mg/kg		Y Y P							A141-18	13:34
				IRON	28200	mg/kg		Y Y P							A141-18	13:34
				LEAD	10.1	mg/kg		Y Y P							A141-18	16:17
				MAGNESIUM	617	mg/kg		Y Y P							A141-18	13:34
				MANGANESE	67.7	mg/kg		Y Y P							A141-18	13:34
				NICKEL	7.4	mg/kg		Y Y P							A141-18	13:34
				POTASSIUM	1110	mg/kg		Y Y P							A141-18	13:34
				SELENIUM	.906	mg/kg	J	Y Y P	J		08A 15				A141-18	16:17
				SILVER	2.41	mg/kg	U	N Y U	U						A141-18	13:34
				SODIUM	36.1	mg/kg	J	Y Y P	J		15				A141-18	13:34
				THALLIUM	2.41	mg/kg	U	N Y U	U						A141-18	16:17
				VANADIUM	41.5	mg/kg		Y Y P							A141-18	13:34
				ZINC	25.8	mg/kg		Y Y P	J		13				A141-18	13:34
				SW7471A	TOTAL	N 0 1	MERCURY	.12	mg/kg	U	N Y U	U				

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											1	2	3	4		
IASPOW-01																
QG0019	SW6010B	SW3050	N 0 1	ALUMINUM	20800	mg/kg		Y Y P							A141-19	13:38
				ANTIMONY	11.8	mg/kg	U	N Y U	UJ		08A				A141-19	13:38
				ARSENIC	8	mg/kg		Y Y P	J		08A				A141-19	16:23
				BARIUM	58.1	mg/kg		Y Y P							A141-19	13:38
				BERYLLIUM	.689	mg/kg	J	Y Y P	J		15				A141-19	13:38
				CADMIUM	1.18	mg/kg	U	N Y U	U						A141-19	13:38
				CALCIUM	180	mg/kg		Y Y P							A141-19	13:38
				CHROMIUM	12.5	mg/kg		Y Y P							A141-19	13:38
				COBALT	8.97	mg/kg		Y Y P							A141-19	13:38
				COPPER	14.6	mg/kg		Y Y P							A141-19	13:38
				IRON	26700	mg/kg		Y Y P							A141-19	13:38
				LEAD	30.3	mg/kg		Y Y P							A141-19	16:23
				MAGNESIUM	679	mg/kg		Y Y P							A141-19	13:38
				MANGANESE	992	mg/kg		Y Y P							A141-19	13:38
				NICKEL	11.9	mg/kg		Y Y P							A141-19	13:38
				POTASSIUM	564	mg/kg	J	Y Y P	J		15				A141-19	13:38
				SELENIUM	1.18	mg/kg	U	N Y U	UJ		08A				A141-19	16:23
				SILVER	2.36	mg/kg	U	N Y U	U						A141-19	13:38
				SODIUM	39.6	mg/kg	J	Y Y P	J		15				A141-19	13:38
				THALLIUM	2.36	mg/kg	U	N Y U	U						A141-19	16:23
				VANADIUM	36.8	mg/kg		Y Y P							A141-19	13:38
				ZINC	29.1	mg/kg		Y Y P	J		13				A141-19	13:38
QG0020	SW7471A	TOTAL	N 0 1	MERCURY	.0486	mg/kg	J	Y Y P	J		15				A141-19	15:25
	SW6010B	SW3050	N 0 1	ALUMINUM	14800	mg/kg		Y Y P	J		17				A141-20	12:37
				ANTIMONY	12	mg/kg	U	N Y U	UJ		08A				A141-20	12:37
				ARSENIC	4.86	mg/kg		Y Y P	J		08A	17			A141-20	15:19
				BARIUM	32.2	mg/kg		Y Y P	J		17				A141-20	12:37
				BERYLLIUM	1.2	mg/kg	U	N Y U	U						A141-20	12:37
				CADMIUM	1.2	mg/kg	U	N Y U	U						A141-20	12:37
				CALCIUM	61.4	mg/kg	J	Y Y F	B		06B	15			A141-20	12:37
				CHROMIUM	9.56	mg/kg		Y Y P	J		17				A141-20	12:37
				COBALT	6.81	mg/kg		Y Y P							A141-20	12:37
				COPPER	8.5	mg/kg		Y Y P	J		17				A141-20	12:37
				IRON	21700	mg/kg		Y Y P							A141-20	12:37
				LEAD	24.3	mg/kg		Y Y P							A141-20	15:19
				MAGNESIUM	328	mg/kg		Y Y P	J		17				A141-20	12:37
				MANGANESE	787	mg/kg		Y Y P							A141-20	12:37
				NICKEL	5.34	mg/kg		Y Y P	J		17				A141-20	12:37
				POTASSIUM	393	mg/kg	J	Y Y P	J		15	17			A141-20	12:37
				SELENIUM	1.2	mg/kg	U	N Y U	UJ		08A				A141-20	15:19

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0020	SW6010B	SW3050	N 0 1	SILVER	2.41	mg/kg	U	N Y U	U						A141-20	12:37
				SODIUM	34.6	mg/kg	J	Y Y P	J		15				A141-20	12:37
				THALLIUM	2.41	mg/kg	U	N Y U	U						A141-20	15:19
				VANADIUM	32.6	mg/kg		Y Y P							A141-20	12:37
				ZINC	16	mg/kg		Y Y P	J		13	17			A141-20	12:37
QG0021	SW7471A	TOTAL	N 0 1	MERCURY	.0654	mg/kg	J	Y Y P	J		15				A141-20	14:07
	SW6010B	SW3050	N 0 1	ALUMINUM	31300	mg/kg		Y Y	J		17				A141-21	13:43
				ANTIMONY	12	mg/kg	U	N Y	UJ		08A				A141-21	13:43
				ARSENIC	10.8	mg/kg		Y Y	J		08A	17			A141-21	16:28
				BARIUM	57.8	mg/kg		Y Y	J		17				A141-21	13:43
				BERYLLIUM	.733	mg/kg	J	Y Y	J		15				A141-21	13:43
				CADMIUM	1.2	mg/kg	U	N Y	U						A141-21	13:43
				CALCIUM	102	mg/kg	J	Y Y	J		15				A141-21	13:43
				CHROMIUM	18.6	mg/kg		Y Y	J		17				A141-21	13:43
				COBALT	10.6	mg/kg		Y Y							A141-21	13:43
				COPPER	16.9	mg/kg		Y Y	J		17				A141-21	13:43
				IRON	31000	mg/kg		Y Y							A141-21	13:43
				LEAD	35.6	mg/kg		Y Y							A141-21	16:28
				MAGNESIUM	1040	mg/kg		Y Y	J		17				A141-21	13:43
				MANGANESE	1180	mg/kg		Y Y							A141-21	13:43
				NICKEL	16.4	mg/kg		Y Y	J		17				A141-21	13:43
				POTASSIUM	975	mg/kg		Y Y	J		15	17			A141-21	13:43
				SELENIUM	1.2	mg/kg	U	N Y	UJ		08A				A141-21	16:28
				SILVER	2.4	mg/kg	U	N Y	U						A141-21	13:43
				SODIUM	47.1	mg/kg	J	Y Y	J		15				A141-21	13:43
				THALLIUM	2.4	mg/kg	U	N Y	U						A141-21	16:28
				VANADIUM	49	mg/kg		Y Y							A141-21	13:43
				ZINC	41.4	mg/kg		Y Y	J		13	17			A141-21	13:43
	SW7471A	TOTAL	N 0 1	MERCURY	.0629	mg/kg	J	Y Y	J		15				A141-21	18:03
QG0001	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U						A141-01	21:01
				1,3-DNB	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2,4,6-TNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2,4-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2,6-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U						A141-01	21:01
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U						A141-01	21:01
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U						A141-01	21:01
				HMX	.4	mg/kg	U	N Y U	U						A141-01	21:01

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Sample Number:	Analytical/Extraction		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:												Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0001	SW8330	METHOD	N	0	I	NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-01	21:01
						RDX	.4	mg/kg	U	N	Y	U	U						A141-01	21:01
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-01	21:01
QG0002	SW8330	METHOD	N	0	I	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						1,3-DNB	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						HMX	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						RDX	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-02	21:40
QG0003	SW8330	METHOD	N	0	I	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						1,3-DNB	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						HMX	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						RDX	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-03	22:19
QG0004	SW8330	METHOD	N	0	I	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
						1,3-DNB	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
						2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-04	22:57
4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-04	22:57						

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0004	SW8330	METHOD	N	0	1	4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-04	22:57
						HMX	.4	mg/kg	U	N	Y	U	U				A141-04	22:57
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U				A141-04	22:57
						RDX	.4	mg/kg	U	N	Y	U	U				A141-04	22:57
						TETRYL	.4	mg/kg	U	N	Y	U	U				A141-04	22:57
QG0005	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						1,3-DNB	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						2,4-DNT	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						2,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						HMX	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						RDX	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
						TETRYL	.4	mg/kg	U	N	Y	U	U				A141-05	23:36
QG0006	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						1,3-DNB	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						2,4-DNT	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						2,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						HMX	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						RDX	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
						TETRYL	.4	mg/kg	U	N	Y	U	U				A141-06	00:14
QG0007	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U				A141-07	00:53
						1,3-DNB	.4	mg/kg	U	N	Y	U	U				A141-07	00:53
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U				A141-07	00:53
						2,4-DNT	.4	mg/kg	U	N	Y	U	U				A141-07	00:53
						2,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-07	00:53
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U				A141-07	00:53
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U				A141-07	00:53

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		Time:
IASPOW-01																		
QG0007	SW8330	METHOD	N 0 1	3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
QG0008	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
QG0009	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				1,3-DNB	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2,4,6-TNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2,4-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2,6-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				HMX	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				NITROBENZENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				RDX	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				TETRYL	.4	mg/kg	U	N	Y		U					A141-09	02:10	
QG0010	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:										Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0010	SW8330	METHOD	N 0 1	2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
QG0011	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
QG0012	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
QG0013	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:										Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0013	SW8330	METHOD	N 0 1	2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
QG0014	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-14	06:01	
TETRYL	.4	mg/kg	U	N	Y	U	U					A141-14	06:01					
QG0015	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-15	06:39	
TETRYL	.4	mg/kg	U	N	Y	U	U					A141-15	06:39					
QG0016	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-16	07:18	

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:									Qlfr	Code:	1	2	3	4		
IASPOW-01																	
QG0016	SW8330	METHOD	N 0 1	1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				HMX	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				RDX	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
QG0017	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				HMX	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				RDX	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
TETRYL	.4	mg/kg	U	N	Y	U	U					A141-17	07:57				
QG0018	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				HMX	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				RDX	.4	mg/kg	U	N	Y	U	U					A141-18	08:35

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:										Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0018	SW8330	METHOD	N 0 1	TETRYL	.4	mg/kg	U	N	Y	U	U					A141-18	08:35	
QG0019	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-19	09:14	
QG0020	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-20	09:52	
QG0021	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				1,3-DNB	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				2,4,6-TNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				2,4-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				2,6-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-21	00:52	
				HMX	.4	mg/kg	U	N	Y		U					A141-21	00:52	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8330	METHOD	N 0 1	NITROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	00:52
				RDX	.4	mg/kg	U	N	Y	U						A141-21	00:52
				TETRYL	.4	mg/kg	U	N	Y	U						A141-21	00:52
QG0007	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				BOLSTAR	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				CHLORPYRIFOS	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				COUMAPHOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				DEMETON (TOTAL)	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				DIAZINON	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				DICHLORVOS	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				DIMETHOATE	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				DISULFOTON	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				ETHOPROP	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				FAMPHUR	.077	mg/kg	U	N	Y	U	UJ		05B			A141-07	06:44
				FENSULFOTHION	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				FENTHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				MALATHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				MERPHOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				METHYL PARATHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				MEVINPHOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				NALED	.038	mg/kg	U	N	Y	U	UJ		05B	11A		A141-07	06:44
				PARATHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				PHORATE	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				RONNEL	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				STIROPPOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				SULFOTEPP	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				THIONAZIN	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				TOKUTHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				TRICHLORONATE	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
QG0008	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				BOLSTAR	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				CHLORPYRIFOS	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				COUMAPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				DEMETON (TOTAL)	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				DIAZINON	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				DICHLORVOS	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				DIMETHOATE	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				DISULFOTON	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				ETHOPROP	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				FAMPHUR	.082	mg/kg	U	N	Y	U	UJ		05B			A141-08	07:19

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0008	SW8141A	SW3545	N 0 1	FENSULFOTHION	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				FENTHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				MALATHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				MERPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				METHYL PARATHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				MEVINPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				NALED	.04	mg/kg	U	N	Y	U	UJ	05B	11A			A141-08	07:19
				PARATHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				PHORATE	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				RONNEL	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				STIROPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				SULFOTEPP	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				THIONAZIN	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				TOKUTHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				TRICHLORONATE	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
QG0009	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.039	mg/kg	U	N	Y		U					A141-09	11:03
				BOLSTAR	.039	mg/kg	U	N	Y		U					A141-09	11:03
				CHLORPYRIFOS	.08	mg/kg	U	N	Y		U					A141-09	11:03
				COUMAPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				DEMETON (TOTAL)	.039	mg/kg	U	N	Y		U					A141-09	11:03
				DIAZINON	.039	mg/kg	U	N	Y		U					A141-09	11:03
				DICHLORVOS	.08	mg/kg	U	N	Y		U					A141-09	11:03
				DIMETHOATE	.08	mg/kg	U	N	Y		U					A141-09	11:03
				DISULFOTON	.039	mg/kg	U	N	Y		U					A141-09	11:03
				ETHOPROP	.039	mg/kg	U	N	Y		U					A141-09	11:03
				FAMPHUR	.08	mg/kg	U	N	Y		UJ	05B				A141-09	11:03
				FENSULFOTHION	.08	mg/kg	U	N	Y		U					A141-09	11:03
				FENTHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				MALATHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				MERPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				METHYL PARATHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				MEVINPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				NALED	.039	mg/kg	U	N	Y		UJ	05B	11A			A141-09	11:03
				PARATHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				PHORATE	.039	mg/kg	U	N	Y		U					A141-09	11:03
				RONNEL	.039	mg/kg	U	N	Y		U					A141-09	11:03
				STIROPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				SULFOTEPP	.039	mg/kg	U	N	Y		U					A141-09	11:03
				THIONAZIN	.039	mg/kg	U	N	Y		U					A141-09	11:03
				TOKUTHION	.039	mg/kg	U	N	Y		U					A141-09	11:03

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Sample Number:	Analytical/Extraction Method:		Fit REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0009	SW8141A	SW3545	N 0 1	TRICHLORONATE	.039	mg/kg	U	N	Y	U						A141-09	11:03
QG0019	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				BOLSTAR	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				CHLORPYRIFOS	.079	mg/kg	U	N	Y	U	U					A141-19	11:38
				COUMAPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				DEMETON (TOTAL)	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				DIAZINON	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				DICHLORVOS	.079	mg/kg	U	N	Y	U	U					A141-19	11:38
				DIMETHOATE	.079	mg/kg	U	N	Y	U	U					A141-19	11:38
				DISULFOTON	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				ETHOPROP	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				FAMPHUR	.079	mg/kg	U	N	Y	U	UJ		05B			A141-19	11:38
				FENSULFOTHION	.079	mg/kg	U	N	Y	U	U					A141-19	11:38
				FENTHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				MALATHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				MERPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				METHYL PARATHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				MEVINPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				NALED	.039	mg/kg	U	N	Y	U	UJ		05B	11A		A141-19	11:38
				PARATHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				PHORATE	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				RONNEL	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				STIROPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				SULFOTEPP	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				THIONAZIN	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				TOKUTHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
				TRICHLORONATE	.039	mg/kg	U	N	Y	U	U					A141-19	11:38
QG0020	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				BOLSTAR	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				CHLORPYRIFOS	.081	mg/kg	U	N	Y	U	U					A141-20	12:13
				COUMAPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				DEMETON (TOTAL)	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				DIAZINON	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				DICHLORVOS	.081	mg/kg	U	N	Y	U	U					A141-20	12:13
				DIMETHOATE	.081	mg/kg	U	N	Y	U	U					A141-20	12:13
				DISULFOTON	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				ETHOPROP	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				FAMPHUR	.081	mg/kg	U	N	Y	U	UJ		05B			A141-20	12:13
				FENSULFOTHION	.081	mg/kg	U	N	Y	U	U					A141-20	12:13
				FENTHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
													Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0020	SW8141A	SW3545	N	0	1	MALATHION	.04	mg/kg	U	N	Y	U	U						A141-20	12:13
						MERPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						METHYL PARATHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						MEVINPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						NALED	.04	mg/kg	U	N	Y	U	UJ	05B	11A			A141-20	12:13	
						PARATHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						PHORATE	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						RONNEL	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						STIROPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						SULFOTEPP	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						THIONAZIN	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						TOKUTHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
						TRICHLORONATE	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
QG0021	SW8141A	SW3545	N	0	1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						BOLSTAR	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						CHLORPYRIFOS	.08	mg/kg	U	N	Y		U					A141-21	15:08	
						COUMAPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						DEMETON (TOTAL)	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						DIAZINON	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						DICHLORVOS	.08	mg/kg	U	N	Y		U					A141-21	15:08	
						DIMETHOATE	.08	mg/kg	U	N	Y		U					A141-21	15:08	
						DISULFOTON	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						ETHOPROP	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						FAMPHUR	.08	mg/kg	U	N	Y		UJ	05B				A141-21	15:08	
						FENSULFOTHION	.08	mg/kg	U	N	Y		U					A141-21	15:08	
						FENTHION	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						MALATHION	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						MERPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						METHYL PARATHION	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						MEVINPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						NALED	.04	mg/kg	U	N	Y		UJ	05B	11A			A141-21	15:08	
						PARATHION	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						PHORATE	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						RONNEL	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						STIROPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						SULFOTEPP	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						THIONAZIN	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						TOKUTHION	.04	mg/kg	U	N	Y		U					A141-21	15:08	
						TRICHLORONATE	.04	mg/kg	U	N	Y		U					A141-21	15:08	
QG0007	SW8270C	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0007	SW8270C	SW3550	N 0 I	1,2-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				1,3-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				1,4-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2,4,5-TRICHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2,4,6-TRICHLOROPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2,4-DICHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2,4-DIMETHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2,4-DINITROPHENOL	.73	mg/kg	U	N	Y	U	UJ		05B			A141-07	02:38	
				2,4-DINITROTOLUENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2,6-DINITROTOLUENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2-CHLORONAPHTHALENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2-CHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2-METHYLNAPHTHALENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2-METHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2-NITROANILINE	.73	mg/kg	U	N	Y	U	U					A141-07	02:38	
				2-NITROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				3,3'-DICHLOROBENZIDINE	.73	mg/kg	U	N	Y	U	U					A141-07	02:38	
				3-NITROANILINE	.73	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4,6-DINITRO-2-METHYLPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4-BROMOPHENYL-PHENYL ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4-CHLORO-3-METHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4-CHLOROANILINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4-CHLOROPHENYL-PHENYL ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4-METHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4-NITROANILINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				4-NITROPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38	
				ACENAPHTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				ACENAPHTHYLENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				ANTHRACENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BENZO(A)ANTHRACENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BENZO(A)PYRENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BENZO(B)FLUORANTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BENZO(G,H,I)PERYLENE	.38	mg/kg	U	N	Y	U	UJ		05B			A141-07	02:38	
				BENZO(K)FLUORANTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BIS(2-CHLOROETHOXY)METHANE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BIS(2-CHLOROETHYL)ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BIS(2-CHLOROISOPROPYL)ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BIS(2-ETHYLHEXYL)PHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				BUTYLBENZYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	
				CARBAZOLE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0007	SW8270C	SW3550	N 0 1	CHRYSENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DI-N-BUTYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DI-N-OCTYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DIBENZO(A,H)ANTHRACENE	.38	mg/kg	U	N	Y	U	UJ			05B		A141-07	02:38
				DIBENZOFURAN	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DIETHYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DIMETHYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				FLUORANTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				FLUORENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROBUTADIENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROCYCLOPENTADIENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROETHANE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				INDENO(1,2,3-CD)PYRENE	.38	mg/kg	U	N	Y	U	UJ			05B		A141-07	02:38
				ISOPHORONE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				N-NITROSO-DI-N-PROPYLAMINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				N-NITROSODIPHENYLAMINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				NAPHTHALENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				NITROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				PENTACHLOROPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				PHENANTHRENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				PHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				PYRENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
QG0008	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4,6-TRICHLOROPHENOL	.77	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4-DINITROPHENOL	.77	mg/kg	U	N	Y	U	UJ			05B		A141-08	03:16
				2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-CHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-NITROANILINE	.77	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-NITROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16

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Sample Number:	Analytical/Extraction		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use			BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:									Qlfr	Code:	1		2	3	4					
IASPOW-01																					
QG0008	SW8270C	SW3550	N	0	1	3,3'-DICHLOROBENZIDINE	.77	mg/kg	U	N	Y	U	U						A141-08	03:16	
						3-NITROANILINE	.77	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4,6-DINITRO-2-METHYLPHENOL	.77	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4-CHLOROANILINE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4-NITROANILINE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						4-NITROPHENOL	.77	mg/kg	U	N	Y	U	U						A141-08	03:16	
						ACENAPHTHENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						ANTHRACENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	U	UJ		05B				A141-08	03:16	
						BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						CARBAZOLE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						CHRYSENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	U	UJ		05B				A141-08	03:16	
						DIBENZOFURAN	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						FLUORANTHENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						FLUORENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	U	UJ		05B				A141-08	03:16	
						ISOPHORONE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	
						N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U	U						A141-08	03:16	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0008	SW8270C	SW3550	N 0 1	N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				NAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				PENTACHLOROPHENOL	.77	mg/kg	U	N	Y	U	U					A141-08	03:16
				PHENANTHRENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				PHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				PYRENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
QG0009	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				1,2-DICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				1,3-DICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				1,4-DICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4,5-TRICHLOROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4,6-TRICHLOROPHENOL	.75	mg/kg	U	N	Y		U					A141-09	03:54
				2,4-DICHLOROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4-DIMETHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4-DINITROPHENOL	.75	mg/kg	U	N	Y		UJ		05B			A141-09	03:54
				2,4-DINITROTOLUENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,6-DINITROTOLUENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-CHLORONAPHTHALENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-CHLOROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-METHYLNAPHTHALENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-METHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-NITROANILINE	.75	mg/kg	U	N	Y		U					A141-09	03:54
				2-NITROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				3,3'-DICHLOROBENZIDINE	.75	mg/kg	U	N	Y		U					A141-09	03:54
				3-NITROANILINE	.75	mg/kg	U	N	Y		U					A141-09	03:54
				4,6-DINITRO-2-METHYLPHENOL	.75	mg/kg	U	N	Y		U					A141-09	03:54
				4-BROMOPHENYL-PHENYL ETHER	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-CHLORO-3-METHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-CHLOROANILINE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-CHLOROPHENYL-PHENYL ETHER	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-METHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-NITROANILINE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-NITROPHENOL	.75	mg/kg	U	N	Y		U					A141-09	03:54
				ACENAPHTHENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				ACENAPHTHYLENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				ANTHRACENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				BENZO(A)ANTHRACENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				BENZO(A)PYRENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				BENZO(B)FLUORANTHENE	.39	mg/kg	U	N	Y		U					A141-09	03:54

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis	
													Qlfr	Code:	1	2	3	4		Time:	
IASPOW-01																					
QG0009	SW8270C	SW3550	N	0	1	BENZO(G,H,I)PERYLENE	.39	mg/kg	U	N	Y		UJ			05B			A141-09	03:54	
						BENZO(K)FLUORANTHENE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						BIS(2-CHLOROETHOXY)METHANE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						BIS(2-CHLOROETHYL)ETHER	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						BIS(2-CHLOROISOPROPYL)ETHER	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						BIS(2-ETHYLHEXYL)PHTHALATE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						BUTYLBENZYLPHTHALATE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						CARBAZOLE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						CHRYSENE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						DI-N-BUTYLPHTHALATE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						DI-N-OCTYLPHTHALATE	.39	mg/kg	U	N	Y		U					A141-09	03:54		
						DIBENZO(A,H)ANTHRACENE	.39	mg/kg	U	N	Y		UJ					05B	A141-09	03:54	
						DIBENZOFURAN	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						DIETHYLPHTHALATE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						DIMETHYLPHTHALATE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						FLUORANTHENE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						FLUORENE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						HEXACHLOROBENZENE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						HEXACHLOROBUTADIENE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						HEXACHLOROCYCLOPENTADIENE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						HEXACHLOROETHANE	.39	mg/kg	U	N	Y		U						A141-09	03:54	
						INDENO(1,2,3-CD)PYRENE	.39	mg/kg	U	N	Y		UJ						05B	A141-09	03:54
						ISOPHORONE	.39	mg/kg	U	N	Y		U							A141-09	03:54
						N-NITROSO-DI-N-PROPYLAMINE	.39	mg/kg	U	N	Y		U							A141-09	03:54
						N-NITROSODIPHENYLAMINE	.39	mg/kg	U	N	Y		U							A141-09	03:54
						NAPHTHALENE	.39	mg/kg	U	N	Y		U							A141-09	03:54
						NITROBENZENE	.39	mg/kg	U	N	Y		U							A141-09	03:54
						PENTACHLOROPHENOL	.75	mg/kg	U	N	Y		U							A141-09	03:54
						PHENANTHRENE	.39	mg/kg	U	N	Y		U							A141-09	03:54
						PHENOL	.39	mg/kg	U	N	Y		U							A141-09	03:54
						PYRENE	.39	mg/kg	U	N	Y		U							A141-09	03:54
QG0019	SW8270C	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32		
						1,2-DICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32		
						1,3-DICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32		
						1,4-DICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32		
						2,4,5-TRICHLOROPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32		
						2,4,6-TRICHLOROPHENOL	.74	mg/kg	U	N	Y	U	U					A141-19	04:32		
						2,4-DICHLOROPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32		
						2,4-DIMETHYLPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32		
						2,4-DINITROPHENOL	.74	mg/kg	U	N	Y	U	UJ			05B		A141-19	04:32		

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:									Qlfr	Code:	1	2	3	4		
IASPOW-01																	
QG0019	SW8270C	SW3550	N 0 1	2,4-DINITROTOLUENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				2,6-DINITROTOLUENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				2-CHLORONAPHTHALENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				2-CHLOROPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				2-METHYLNAPHTHALENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				2-METHYLPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				2-NITROANILINE	.74	mg/kg	U	N	Y	U	U					A141-19	04:32
				2-NITROPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				3,3'-DICHLOROBENZIDINE	.74	mg/kg	U	N	Y	U	U					A141-19	04:32
				3-NITROANILINE	.74	mg/kg	U	N	Y	U	U					A141-19	04:32
				4,6-DINITRO-2-METHYLPHENOL	.74	mg/kg	U	N	Y	U	U					A141-19	04:32
				4-BROMOPHENYL-PHENYL ETHER	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				4-CHLORO-3-METHYLPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				4-CHLOROANILINE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				4-CHLOROPHENYL-PHENYL ETHER	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				4-METHYLPHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				4-NITROANILINE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				4-NITROPHENOL	.74	mg/kg	U	N	Y	U	U					A141-19	04:32
				ACENAPHTHENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				ACENAPHTHYLENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				ANTHRACENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BENZO(A)ANTHRACENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BENZO(A)PYRENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BENZO(B)FLUORANTHENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BENZO(G,H,I)PERYLENE	.39	mg/kg	U	N	Y	U	UJ			05B		A141-19	04:32
				BENZO(K)FLUORANTHENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BIS(2-CHLOROETHOXY)METHANE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BIS(2-CHLOROETHYL)ETHER	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BIS(2-CHLOROISOPROPYL)ETHER	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BIS(2-ETHYLHEXYL)PHTHALATE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				BUTYLBENZYLPHTHALATE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				CARBAZOLE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				CHRYSENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				DI-N-BUTYLPHTHALATE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				DI-N-OCTYLPHTHALATE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				DIBENZO(A,H)ANTHRACENE	.39	mg/kg	U	N	Y	U	UJ			05B		A141-19	04:32
				DIBENZOFURAN	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				DIETHYLPHTHALATE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				DIMETHYLPHTHALATE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				FLUORANTHENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0019	SW8270C	SW3550	N 0 1	FLUORENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROBUTADIENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROCYCLOPENTADIENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROETHANE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				INDENO(1,2,3-CD)PYRENE	.39	mg/kg	U	N	Y	U	UJ				05B	A141-19	04:32
				ISOPHORONE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				N-NITROSO-DI-N-PROPYLAMINE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				N-NITROSODIPHENYLAMINE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				NAPHTHALENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				NITROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				PENTACHLOROPHENOL	.74	mg/kg	U	N	Y	U	U					A141-19	04:32
				PHENANTHRENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				PHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				PYRENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
QG0020	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4,6-TRICHLOROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DINITROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-CHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-NITROANILINE	.76	mg/kg	U	N	Y	U	UJ				05B	A141-20	19:00
				2-NITROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				3,3'-DICHLOROBENZIDINE	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				3-NITROANILINE	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				4,6-DINITRO-2-METHYLPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-CHLOROANILINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0020	SW8270C	SW3550	N 0 1	4-NITROANILINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-NITROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				ACENAPHTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				ANTHRACENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-20	19:00
				BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				CARBAZOLE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				CHRYSENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-20	19:00
				DIBENZOFURAN	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				FLUORENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-20	19:00
				ISOPHORONE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				NAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				PENTACHLOROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				PHENANTHRENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				PHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				PYRENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
QG0021	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y		U					A141-21	19:38

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8270C	SW3550	N 0 1	1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4,6-TRICHLOROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DINITROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-CHLOROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-METHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-NITROANILINE	.76	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				2-NITROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				3,3'-DICHLOROBENZIDINE	.76	mg/kg	U	N	Y	U						A141-21	19:38
				3-NITROANILINE	.76	mg/kg	U	N	Y	U						A141-21	19:38
				4,6-DINITRO-2-METHYLPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-CHLOROANILINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-METHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-NITROANILINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-NITROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				ACENAPHTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				ANTHRACENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				CARBAZOLE	.4	mg/kg	U	N	Y	U						A141-21	19:38

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8270C	SW3550	N 0 1	CHRYSENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				DIBENZOFURAN	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				FLUORANTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				FLUORENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				ISOPHORONE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				NAPHTHALENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				NITROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				PENTACHLOROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				PHENANTHRENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				PHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				PYRENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
QG0007	SW8260B	SW5035	N 0 .77	1,1,1,2-TETRACHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1,1-TRICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1,2,2-TETRACHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1,2-TRICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1-DICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1-DICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1-DICHLOROPROPENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,3-TRICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,3-TRICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,4-TRICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,4-TRIMETHYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DIBROMO-3-CHLOROPROPANE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DIBROMOETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,3,5-TRIMETHYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0007	SW8260B	SW5035	N 0 .77	1,3-DICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,3-DICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,4-DICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				2,2-DICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				2-BUTANONE	.018	mg/kg	U	N	Y	U	U					A141-07	14:55
				2-CHLOROTOLUENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				2-HEXANONE	.018	mg/kg	U	N	Y	U	U					A141-07	14:55
				4-CHLOROTOLUENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				4-METHYL-2-PENTANONE	.018	mg/kg	U	N	Y	U	U					A141-07	14:55
				ACETONE	.18	mg/kg		Y	Y	P	J		04A			A141-07	14:55
				BENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				BROMOBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				BROMOCHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				BROMODICHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				BROMOFORM	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				BROMOMETHANE	.0044	mg/kg	U	N	Y	U	R		04A	05A		A141-07	14:55
				CARBON DISULFIDE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				CARBON TETRACHLORIDE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				CHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				CHLOROETHANE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55
				CHLOROFORM	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				CHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				CIS-1,2-DICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				CIS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				DIBROMOCHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				DIBROMOMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				DICHLORODIFLUOROMETHANE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55
				ETHYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				HEXACHLOROBUTADIENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				ISOPROPYL BENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				M/P-XYLENES	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55
				METHYLENE CHLORIDE	.003	mg/kg	J	Y	Y	F	B		06C	15		A141-07	14:55
				N-BUTYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				N-PROPYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				NAPHTHALENE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55
				O-XYLENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				P-ISOPROPYLTOLUENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				SEC-BUTYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				STYRENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				TERT-BUTYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:	
													Qlfr	Code:	1	2	3	4			
IASPOW-01																					
QG0007	SW8260B	SW5035	N	0	.77	TETRACHLOROETHENE	.0044	mg/kg	U	N	Y	U	U						A141-07	14:55	
						TOLUENE	.0044	mg/kg	U	N	Y	U	U						A141-07	14:55	
						TRANS-1,2-DICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U						A141-07	14:55	
						TRANS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N	Y	U	U						A141-07	14:55	
						TRICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U						A141-07	14:55	
						TRICHLOROFLUOROMETHANE	.0044	mg/kg	U	N	Y	U	U						A141-07	14:55	
						VINYL CHLORIDE	.0044	mg/kg	U	N	Y	U	U						A141-07	14:55	
QG0008	SW8260B	SW5035	N	0	.82	1,1,1,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,1,1-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,1,2,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,1,2-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,1-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,1-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,1-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2,3-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2,3-TRICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2,4-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2,4-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2-DIBROMOETHANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,3,5-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,3-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,3-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						1,4-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						2,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						2-BUTANONE	.02	mg/kg	U	N	Y	U	U						A141-08	15:30	
						2-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						2-HEXANONE	.02	mg/kg	U	N	Y	U	U						A141-08	15:30	
						4-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U						A141-08	15:30	
						4-METHYL-2-PENTANONE	.02	mg/kg	U	N	Y	U	U						A141-08	15:30	
						ACETONE	.011	mg/kg	J	Y	Y	P	J					04A	15	A141-08	15:30
						BENZENE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
						BROMOBENZENE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
						BROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
						BROMODICHLOROMETHANE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
						BROMOFORM	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
						BROMOMETHANE	.005	mg/kg	U	N	Y	U	R					04A	05A	A141-08	15:30

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0008	SW8260B	SW5035	N 0 .82	CARBON DISULFIDE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				CARBON TETRACHLORIDE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				CHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				CHLOROETHANE	.01	mg/kg	U	N	Y	U	U					A141-08	15:30
				CHLOROFORM	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				CHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				CIS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				CIS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				DIBROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				DIBROMOMETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	U	U					A141-08	15:30
				ETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				HEXACHLOROBUTADIENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				ISOPROPYL BENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				M/P-XYLENES	.01	mg/kg	U	N	Y	U	U					A141-08	15:30
				METHYLENE CHLORIDE	.0034	mg/kg	J	Y	Y	F	B		06C	15		A141-08	15:30
				N-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				N-PROPYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				NAPHTHALENE	.01	mg/kg	U	N	Y	U	U					A141-08	15:30
				O-XYLENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				P-ISOPROPYLTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				SEC-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				STYRENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				TERT-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				TETRACHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				TOLUENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				TRANS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				TRANS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				TRICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				TRICHLOROFLUOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
				VINYL CHLORIDE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30
QG0009	SW8260B	SW5035	N 0 .85	1,1,1,2-TETRACHLOROETHANE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,1,1-TRICHLOROETHANE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,1,2,2-TETRACHLOROETHANE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,1,2-TRICHLOROETHANE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,1-DICHLOROETHANE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,1-DICHLOROETHENE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,1-DICHLOROPROPENE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,2,3-TRICHLOROBENZENE	.0051	mg/kg	U	N	Y		U					A141-09	16:04
				1,2,3-TRICHLOROPROPANE	.0051	mg/kg	U	N	Y		U					A141-09	16:04

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0009	SW8260B	SW5035	N 0 .85	1,2,4-TRICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2,4-TRIMETHYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DIBROMOETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DICHLOROETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DICHLOROPROPANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,3,5-TRIMETHYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,3-DICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,3-DICHLOROPROPANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,4-DICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				2,2-DICHLOROPROPANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				2-BUTANONE	.02	mg/kg	U	N	Y	U						A141-09	16:04
				2-CHLOROTOLUENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				2-HEXANONE	.02	mg/kg	U	N	Y	U						A141-09	16:04
				4-CHLOROTOLUENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				4-METHYL-2-PENTANONE	.02	mg/kg	U	N	Y	U						A141-09	16:04
				ACETONE	.012	mg/kg	J	Y	Y	J		04A	15			A141-09	16:04
				BENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOCHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMODICHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOFORM	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOMETHANE	.0051	mg/kg	U	N	Y	R		04A	05A			A141-09	16:04
				CARBON DISULFIDE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CARBON TETRACHLORIDE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROETHANE	.01	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROFORM	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CIS-1,2-DICHLOROETHENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CIS-1,3-DICHLOROPROPENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				DIBROMOCHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				DIBROMOMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	U						A141-09	16:04
				ETHYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				HEXACHLOROBUTADIENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				ISOPROPYL BENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				M/P-XYLENES	.01	mg/kg	U	N	Y	U						A141-09	16:04
				METHYLENE CHLORIDE	.0038	mg/kg	J	Y	Y	F	B	06C	15			A141-09	16:04

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0009	SW8260B	SW5035	N 0 .85	N-BUTYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				N-PROPYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				NAPHTHALENE	.01	mg/kg	U	N	Y	U						A141-09	16:04
				O-XYLENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				P-ISOPROPYLTOLUENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				SEC-BUTYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				STYRENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				TERT-BUTYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				TETRACHLOROETHENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				TOLUENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				TRANS-1,2-DICHLOROETHENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				TRANS-1,3-DICHLOROPROPENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				TRICHLOROETHENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				TRICHLOROFLUOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				VINYL CHLORIDE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
QG0019	SW8260B	SW5035	N 0 .85	1,1,1,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,1,1-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,1,2,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,1,2-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,1-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,1-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,1-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2,3-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2,3-TRICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2,4-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2,4-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2-DIBROMOETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,3,5-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,3-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,3-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				1,4-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				2,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				2-BUTANONE	.02	mg/kg	U	N	Y	U	U					A141-19	16:40
				2-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				2-HEXANONE	.02	mg/kg	U	N	Y	U	U					A141-19	16:40
				4-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0019	SW8260B	SW5035	N 0 .85	4-METHYL-2-PENTANONE	.02	mg/kg	U	N	Y	U	U					A141-19	16:40
				ACETONE	.14	mg/kg		Y	Y	P	J	04A				A141-19	16:40
				BENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				BROMOBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				BROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				BROMODICHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				BROMOFORM	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				BROMOMETHANE	.005	mg/kg	U	N	Y	U	R	04A	05A			A141-19	16:40
				CARBON DISULFIDE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				CARBON TETRACHLORIDE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				CHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				CHLOROETHANE	.01	mg/kg	U	N	Y	U	U					A141-19	16:40
				CHLOROFORM	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				CHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				CIS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				CIS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				DIBROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				DIBROMOMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	U	U					A141-19	16:40
				ETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				HEXACHLOROBUTADIENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				ISOPROPYL BENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				M/P-XYLENES	.01	mg/kg	U	N	Y	U	U					A141-19	16:40
				METHYLENE CHLORIDE	.0039	mg/kg	J	Y	Y	F	B	06C	15			A141-19	16:40
				N-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				N-PROPYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				NAPHTHALENE	.01	mg/kg	U	N	Y	U	U					A141-19	16:40
				O-XYLENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				P-ISOPROPYLTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				SEC-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				STYRENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				TERT-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				TETRACHLOROETHENE	.0012	mg/kg	J	Y	Y	P	J	15				A141-19	16:40
				TOLUENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				TRANS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				TRANS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
				TRICHLOROETHENE	.0019	mg/kg	J	Y	Y	P	J	15				A141-19	16:40
				TRICHLOROFLUOROMETHANE	.002	mg/kg	J	Y	Y	P	J	15				A141-19	16:40
				VINYL CHLORIDE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
QG0020	SW8260B	SW5035	N 0 .77	1,1,1,2-TETRACHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0020	SW8260B	SW5035	N 0 .77	1,1,1-TRICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1,2,2-TETRACHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1,2-TRICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1-DICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1-DICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1-DICHLOROPROPENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,3-TRICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,3-TRICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,4-TRICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,4-TRIMETHYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DIBROMO-3-CHLOROPROPANE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DIBROMOETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,3,5-TRIMETHYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,3-DICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,3-DICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,4-DICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				2,2-DICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				2-BUTANONE	.019	mg/kg	U	N	Y	U	U					A141-20	17:49
				2-CHLOROTOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				2-HEXANONE	.019	mg/kg	U	N	Y	U	U					A141-20	17:49
				4-CHLOROTOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				4-METHYL-2-PENTANONE	.019	mg/kg	U	N	Y	U	U					A141-20	17:49
				ACETONE	.011	mg/kg	J	Y	Y	P	J	04A	15	17		A141-20	17:49
				BENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOCHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMODICHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOFORM	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOMETHANE	.0046	mg/kg	U	N	Y	U	R	04A	05A			A141-20	17:49
				CARBON DISULFIDE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CARBON TETRACHLORIDE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROETHANE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROFORM	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CIS-1,2-DICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CIS-1,3-DICHLOROPROPENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis					
												Qlfr	Code:	1	2	3	4		Time:					
IASPOW-01																								
QG0020	SW8260B	SW5035	N	0	.77	DIBROMOCHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						DIBROMOMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						DICHLORODIFLUOROMETHANE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49					
						ETHYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						HEXACHLOROBUTADIENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						ISOPROPYL BENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						M/P-XYLENES	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49					
						METHYLENE CHLORIDE	.0031	mg/kg	J	Y	Y	F	B	06C	15			A141-20	17:49					
						N-BUTYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						N-PROPYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						NAPHTHALENE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49					
						O-XYLENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						P-ISOPROPYLTOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						SEC-BUTYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						STYRENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						TERT-BUTYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						TETRACHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						TOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						TRANS-1,2-DICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						TRANS-1,3-DICHLOROPROPENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						TRICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						TRICHLOROFLUOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						VINYL CHLORIDE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49					
						QG0021	SW8260B	SW5035	N	0	.86	1,1,1,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y		U				A141-21	17:15
												1,1,1-TRICHLOROETHANE	.0052	mg/kg	U	N	Y		U				A141-21	17:15
												1,1,2,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y		U				A141-21	17:15
1,1,2-TRICHLOROETHANE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,1-DICHLOROETHANE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,1-DICHLOROETHENE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,1-DICHLOROPROPENE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2,3-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2,3-TRICHLOROPROPANE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2,4-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2,4-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y								U				A141-21	17:15						
1,2-DIBROMOETHANE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2-DICHLOROBENZENE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2-DICHLOROETHANE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						
1,3,5-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y								U				A141-21	17:15						

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Sample Number:	Analytical/Extraction Method:		Fit	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
														1	2	3	4		
IASPOW-01																			
QG0021	SW8260B	SW5035	N	0 .86	1,3-DICHLOROBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					1,3-DICHLOROPROPANE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					1,4-DICHLOROBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					2,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					2-BUTANONE	.021	mg/kg	U	N	Y		U						A141-21	17:15
					2-CHLOROTOLUENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					2-HEXANONE	.021	mg/kg	U	N	Y		U						A141-21	17:15
					4-CHLOROTOLUENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					4-METHYL-2-PENTANONE	.021	mg/kg	U	N	Y		U						A141-21	17:15
					ACETONE	.031	mg/kg		Y	Y		J		04A	17			A141-21	17:15
					BENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					BROMOBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					BROMOCHLOROMETHANE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					BROMODICHLOROMETHANE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					BROMOFORM	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					BROMOMETHANE	.0052	mg/kg	U	N	Y		R		04A	05A			A141-21	17:15
					CARBON DISULFIDE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					CARBON TETRACHLORIDE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					CHLOROBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					CHLOROETHANE	.01	mg/kg	U	N	Y		U						A141-21	17:15
					CHLOROFORM	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					CHLOROMETHANE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					CIS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					CIS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					DIBROMOCHLOROMETHANE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					DIBROMOMETHANE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y		U						A141-21	17:15
					ETHYLBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					HEXACHLOROBUTADIENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					ISOPROPYL BENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					M/P-XYLENES	.01	mg/kg	U	N	Y		U						A141-21	17:15
					METHYLENE CHLORIDE	.0035	mg/kg	J	Y	Y	F	B		06C	15			A141-21	17:15
					N-BUTYLBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					N-PROPYLBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					NAPHTHALENE	.01	mg/kg	U	N	Y		U						A141-21	17:15
					O-XYLENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					P-ISOPROPYLTOLUENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					SEC-BUTYLBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					STYRENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15
					TERT-BUTYLBENZENE	.0052	mg/kg	U	N	Y		U						A141-21	17:15

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8260B	SW5035	N 0 .86	TETRACHLOROETHENE	.0011	mg/kg	J	Y	Y	J		15				A141-21	17:15
				TOLUENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				TRANS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				TRANS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				TRICHLOROETHENE	.0013	mg/kg	J	Y	Y	J		15				A141-21	17:15
				TRICHLOROFLUOROMETHANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				VINYL CHLORIDE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
IASPOW-02																	
QG3002	SW8151A	METHOD	N 0 1	2,4,5-T	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				2,4,5-TP(SILVEX)	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				2,4-D	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				2,4-DB	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				DALAPON	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				DICAMBA	.0008	mg/L	U	N	Y	U	U					D182-02	19:47
				DICHLOROPROP	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				DINOSEB	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				MCPA	.2	mg/L	U	N	Y	U	U					D182-02	19:47
				MCPD	.2	mg/L	U	N	Y	U	U					D182-02	19:47
QG3003	SW8151A	METHOD	N 0 1	2,4,5-T	.0004	mg/L	U	N	Y		U					D182-03	21:11
				2,4,5-TP(SILVEX)	.0004	mg/L	U	N	Y		U					D182-03	21:11
				2,4-D	.0004	mg/L	U	N	Y		U					D182-03	21:11
				2,4-DB	.00028	mg/L	J	Y	Y		J	15				D182-03	21:11
				DALAPON	.0004	mg/L	U	N	Y		U					D182-03	21:11
				DICAMBA	.0008	mg/L	U	N	Y		U					D182-03	21:11
				DICHLOROPROP	.0004	mg/L	U	N	Y		U					D182-03	21:11
				DINOSEB	.00016	mg/L	J	Y	Y		J	15				D182-03	21:11
				MCPA	.2	mg/L	U	N	Y		U					D182-03	21:11
				MCPD	.2	mg/L	U	N	Y		U					D182-03	21:11
QG3002	SW8081A	SW3520	N 0 .96	4,4'-DDD	.00016	mg/L	J	Y	Y	P	J	05B	15	18		D182-02	22:15
				4,4'-DDE	.00019	mg/L	U	N	Y	U	U					D182-02	22:15
				4,4'-DDT	.00019	mg/L	U	N	Y	U	U					D182-02	22:15
				ALDRIN	.00008	mg/L	J	Y	Y	P	J	15	18			D182-02	22:15
				ALPHA-BHC	.000096	mg/L	U	N	Y	U	U					D182-02	22:15
				ALPHA-CHLORDANE	.00015	mg/L		Y	Y	P	J	17				D182-02	22:15
				BETA-BHC	.000069	mg/L	J	Y	Y	P	J	15	17	18		D182-02	22:15
				DELTA-BHC	.00003	mg/L	J	Y	Y	P	J	15				D182-02	22:15
				DIELDRIN	.00016	mg/L	J	Y	Y	P	J	15	17			D182-02	22:15
				ENDOSULFAN I	.000039	mg/L	J	Y	Y	P	J	15	18			D182-02	22:15
				ENDOSULFAN II	.00019	mg/L	U	N	Y	U	U					D182-02	22:15

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-02																
QG3002	SW8081A	SW3520	N 0 .96	ENDOSULFAN SULFATE	.00019	mg/L	U	N Y U	U						D182-02	22:15
				ENDRIN	.00022	mg/L		Y Y P							D182-02	22:15
				ENDRIN ALDEHYDE	.00019	mg/L	U	N Y U	U						D182-02	22:15
				ENDRIN KETONE	.00019	mg/L	U	N Y U	U						D182-02	22:15
				GAMMA-BHC (LINDANE)	.000038	mg/L	J	Y Y P	J	15					D182-02	22:15
				GAMMA-CHLORDANE	.000096	mg/L	U	N Y U	U						D182-02	22:15
				HEPTACHLOR	.000096	mg/L	U	N Y U	U						D182-02	22:15
				HEPTACHLOR EPOXIDE	.000034	mg/L	J	Y Y P	J	18 15					D182-02	22:15
				METHOXYCHLOR	.00096	mg/L	U	N Y U	U						D182-02	22:15
				TOXAPHENE	.0029	mg/L	U	N Y U	U						D182-02	22:15
QG3003	SW8081A	SW3520	N 0 .95	4,4'-DDD	.00019	mg/L	U	N Y	UJ	05B					D182-03	23:31
				4,4'-DDE	.00019	mg/L	U	N Y	U						D182-03	23:31
				4,4'-DDT	.000093	mg/L	J	Y Y	J	15 18					D182-03	23:31
				ALDRIN	.000059	mg/L	J	Y Y	J	15					D182-03	23:31
				ALPHA-BHC	.000095	mg/L	U	N Y	U						D182-03	23:31
				ALPHA-CHLORDANE	.000078	mg/L	J	Y Y	J	15 17					D182-03	23:31
				BETA-BHC	.000029	mg/L	J	Y Y	J	15 17 18					D182-03	23:31
				DELTA-BHC	.000095	mg/L	U	N Y	U						D182-03	23:31
				DIELDRIN	.00011	mg/L	J	Y Y	J	15 17					D182-03	23:31
				ENDOSULFAN I	.00004	mg/L	J	Y Y	J	15					D182-03	23:31
				ENDOSULFAN II	.000012	mg/L	J	Y Y	J	15					D182-03	23:31
				ENDOSULFAN SULFATE	.00019	mg/L	U	N Y	U						D182-03	23:31
				ENDRIN	.00019	mg/L	U	N Y	U						D182-03	23:31
				ENDRIN ALDEHYDE	.00019	mg/L	U	N Y	U						D182-03	23:31
				ENDRIN KETONE	.00019	mg/L	U	N Y	U						D182-03	23:31
				GAMMA-BHC (LINDANE)	.000049	mg/L	J	Y Y	J	15 18					D182-03	23:31
				GAMMA-CHLORDANE	.000095	mg/L	U	N Y	U						D182-03	23:31
				HEPTACHLOR	.000075	mg/L	J	Y Y	J	15 08A					D182-03	23:31
				HEPTACHLOR EPOXIDE	.00004	mg/L	J	Y Y	J	18 15					D182-03	23:31
				METHOXYCHLOR	.00095	mg/L	U	N Y	U						D182-03	23:31
				TOXAPHENE	.0028	mg/L	U	N Y	U						D182-03	23:31
QG3001	SW6010B	SW3010	N 0 1	ALUMINUM	.316	mg/L		Y Y P							D182-01	10:41
				ANTIMONY	.1	mg/L	U	N Y U	U						D182-01	10:41
				ARSENIC	.00238	mg/L	J	Y Y F	B	06A 15					D182-01	12:58
				BARIUM	.00777	mg/L	J	Y Y F	B	06C 15					D182-01	10:41
				BERYLLIUM	.01	mg/L	U	N Y U	U						D182-01	10:41
				CADMIUM	.01	mg/L	U	N Y U	U						D182-01	10:41
				CALCIUM	4.99	mg/L		Y Y F	B	06C					D182-01	10:41
				CHROMIUM	.02	mg/L	U	N Y U	U						D182-01	10:41
				COBALT	.02	mg/L	U	N Y U	U						D182-01	10:41

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-02																
QG3001	SW6010B	SW3010	N 0 1	COPPER	.02	mg/L	U	N Y U	U						D182-01	10:41
				IRON	.673	mg/L	J	Y Y P	J		15				D182-01	10:41
				LEAD	.01	mg/L	U	N Y U	U						D182-01	12:58
				MAGNESIUM	1.61	mg/L		Y Y F	B		06C				D182-01	10:41
				MANGANESE	.0967	mg/L	J	Y Y P	J		15				D182-01	10:41
				NICKEL	.02	mg/L	U	N Y U	U						D182-01	10:41
				POTASSIUM	1.01	mg/L	J	Y Y F	B		06C	15			D182-01	10:41
				SELENIUM	.01	mg/L	U	N Y U	U						D182-01	12:58
				SILVER	.02	mg/L	U	N Y U	U						D182-01	10:41
				SODIUM	1.38	mg/L		Y Y F	B		06C				D182-01	10:41
				THALLIUM	.01	mg/L	U	N Y U	U						D182-01	12:58
				VANADIUM	.02	mg/L	U	N Y U	U						D182-01	10:41
				ZINC	.1	mg/L	U	N Y U	U						D182-01	10:41
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U	U						D182-01	12:11
QG3002	SW6010B	SW3010	N 0 1	ALUMINUM	.174	mg/L	J	Y Y P	J		15	17			D182-02	10:45
				ANTIMONY	.1	mg/L	U	N Y U	U						D182-02	10:45
				ARSENIC	.01	mg/L	U	N Y U	U						D182-02	13:09
				BARIUM	.0155	mg/L		Y Y P							D182-02	10:45
				BERYLLIUM	.01	mg/L	U	N Y U	U						D182-02	10:45
				CADMIUM	.01	mg/L	U	N Y U	U						D182-02	10:45
				CALCIUM	3.52	mg/L		Y Y F	B		06C				D182-02	10:45
				CHROMIUM	.02	mg/L	U	N Y U	U						D182-02	10:45
				COBALT	.0153	mg/L	J	Y Y P	J		15				D182-02	10:45
				COPPER	.02	mg/L	U	N Y U	U						D182-02	10:45
				IRON	.185	mg/L	J	Y Y P	J		15	17			D182-02	10:45
				LEAD	.01	mg/L	U	N Y U	U						D182-02	13:09
				MAGNESIUM	1.23	mg/L		Y Y F	B		06C				D182-02	10:45
				MANGANESE	.637	mg/L		Y Y P							D182-02	10:45
				NICKEL	.02	mg/L	U	N Y U	U						D182-02	10:45
				POTASSIUM	1.09	mg/L	J	Y Y F	B		06C	15			D182-02	10:45
				SELENIUM	.01	mg/L	U	N Y U	U						D182-02	13:09
				SILVER	.02	mg/L	U	N Y U	U						D182-02	10:45
				SODIUM	1.3	mg/L		Y Y F	B		06C				D182-02	10:45
				THALLIUM	.01	mg/L	U	N Y U	U						D182-02	13:09
				VANADIUM	.02	mg/L	U	N Y U	U						D182-02	10:45
				ZINC	.1	mg/L	U	N Y U	U						D182-02	10:45
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U	U						D182-02	12:15
QG3003	SW6010B	SW3010	N 0 1	ALUMINUM	1.33	mg/L		Y Y	J		17				D182-03	11:21
				ANTIMONY	.1	mg/L	U	N Y	U						D182-03	11:21
				ARSENIC	.00226	mg/L	J	Y Y F	B		06A	15			D182-03	13:04

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:			
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4					
IASPOW-02																					
QG3003	SW6010B	SW3010	N 0 1	BARIUM	.0165	mg/L		Y	Y							D182-03	11:21				
				BERYLLIUM	.01	mg/L	U	N	Y		U				D182-03	11:21					
				CADMIUM	.01	mg/L	U	N	Y		U				D182-03	11:21					
				CALCIUM	3.31	mg/L		Y	Y	F	B		06C		D182-03	11:21					
				CHROMIUM	.02	mg/L	U	N	Y		U				D182-03	11:21					
				COBALT	.02	mg/L	U	N	Y		U				D182-03	11:21					
				COPPER	.02	mg/L	U	N	Y		U				D182-03	11:21					
				IRON	.878	mg/L	J	Y	Y		J		15	17	D182-03	11:21					
				LEAD	.0015	mg/L	J	Y	Y		J		15		D182-03	13:04					
				MAGNESIUM	1.21	mg/L		Y	Y	F	B		06C		D182-03	11:21					
				MANGANESE	.578	mg/L		Y	Y						D182-03	11:21					
				NICKEL	.02	mg/L	U	N	Y		U				D182-03	11:21					
				POTASSIUM	.8	mg/L	J	Y	Y	F	B		06C	15	D182-03	11:21					
				SELENIUM	.01	mg/L	U	N	Y		U				D182-03	13:04					
				SILVER	.02	mg/L	U	N	Y		U				D182-03	11:21					
				SODIUM	1.3	mg/L		Y	Y	F	B		06C		D182-03	11:21					
				THALLIUM	.01	mg/L	U	N	Y		U				D182-03	13:04					
				VANADIUM	.02	mg/L	U	N	Y		U				D182-03	11:21					
				ZINC	.1	mg/L	U	N	Y		U				D182-03	11:21					
				QG3001	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N	Y		U					D182-03	12:24
					SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N	Y	U	U					D182-01	05:34
								1,3-DNB	.0004	mg/L	U	N	Y	U	U					D182-01	05:34
								2,4,6-TNT	.0004	mg/L	U	N	Y	U	U					D182-01	05:34
2,4-DNT	.0004	mg/L	U					N	Y	U	U					D182-01	05:34				
2,6-DNT	.0004	mg/L	U					N	Y	U	U					D182-01	05:34				
2-AM-4,6-DNT	.0004	mg/L	U					N	Y	U	U					D182-01	05:34				
2-NITROTOLUENE	.0004	mg/L	U					N	Y	U	U					D182-01	05:34				
3-NITROTOLUENE	.0006	mg/L	U					N	Y	U	U					D182-01	05:34				
4-AM-2,6-DNT	.00045	mg/L						Y	Y	P					D182-01	05:34					
4-NITROTOLUENE	.0006	mg/L	U					N	Y	U	U					D182-01	05:34				
HMX	.0004	mg/L	U					N	Y	U	U					D182-01	05:34				
NITROBENZENE	.0004	mg/L	U					N	Y	U	U					D182-01	05:34				
RDX	.0004	mg/L	U					N	Y	U	UJ		05B		D182-01	05:34					
TETRYL	.0004	mg/L	U					N	Y	U	U				D182-01	05:34					
QG3002	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N	Y	U	U					D182-02	06:12				
				1,3-DNB	.0004	mg/L	U	N	Y	U	U					D182-02	06:12				
				2,4,6-TNT	.0004	mg/L	U	N	Y	U	U					D182-02	06:12				
				2,4-DNT	.0004	mg/L	U	N	Y	U	U					D182-02	06:12				
				2,6-DNT	.0004	mg/L	U	N	Y	U	U					D182-02	06:12				
				2-AM-4,6-DNT	.0004	mg/L	U	N	Y	U	U					D182-02	06:12				

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3002	SW8330	METHOD	N 0 1	2-NITROTOLUENE	.0021	mg/L		Y	Y	P						D182-02	06:12
				3-NITROTOLUENE	.0006	mg/L	U	N	Y	U	U					D182-02	06:12
				4-AM-2,6-DNT	.0011	mg/L		Y	Y	P						D182-02	06:12
				4-NITROTOLUENE	.0006	mg/L	U	N	Y	U	U					D182-02	06:12
				HMX	.0004	mg/L	U	N	Y	U	U					D182-02	06:12
				NITROBENZENE	.0004	mg/L	U	N	Y	U	U					D182-02	06:12
				RDX	.0004	mg/L	U	N	Y	U	UJ		05B			D182-02	06:12
				TETRYL	.0004	mg/L	U	N	Y	U	U					D182-02	06:12
QG3003	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N	Y		U					D182-03	08:08
				1,3-DNB	.0004	mg/L	U	N	Y		U					D182-03	08:08
				2,4,6-TNT	.0004	mg/L	U	N	Y		U					D182-03	08:08
				2,4-DNT	.0004	mg/L	U	N	Y		U					D182-03	08:08
				2,6-DNT	.0004	mg/L	U	N	Y		U					D182-03	08:08
				2-AM-4,6-DNT	.0004	mg/L	U	N	Y		U					D182-03	08:08
				2-NITROTOLUENE	.0023	mg/L	P	Y	Y							D182-03	08:08
				3-NITROTOLUENE	.0014	mg/L	P	Y	Y							D182-03	08:08
				4-AM-2,6-DNT	.0022	mg/L	P	Y	Y							D182-03	08:08
				4-NITROTOLUENE	.0006	mg/L	U	N	Y		U					D182-03	08:08
				HMX	.0004	mg/L	U	N	Y		U					D182-03	08:08
				NITROBENZENE	.0004	mg/L	U	N	Y		U					D182-03	08:08
				RDX	.0004	mg/L	U	N	Y		UJ		05B			D182-03	08:08
				TETRYL	.0004	mg/L	U	N	Y		U					D182-03	08:08
QG3002	SW8141A	SW3520	N 0 .96	AZINPHOS-METHYL	.00096	mg/L	U	N	Y	U	UJ		05B			D182-02	17:59
				BOLSTAR	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				CHLORPYRIFOS	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				COUMAPHOS	.00096	mg/L	U	N	Y	U	UJ		05B			D182-02	17:59
				DEMETON (TOTAL)	.00096	mg/L	U	N	Y	U	UJ		08B	11A		D182-02	17:59
				DIAZINON	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				DICHLORVOS	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				DIMETHOATE	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				DISULFOTON	.00096	mg/L	U	N	Y	U	UJ		08B			D182-02	17:59
				ETHOPROP	.00096	mg/L	U	N	Y	U	UJ		08B			D182-02	17:59
				FAMPHUR	.00096	mg/L	U	N	Y	U	UJ		05B			D182-02	17:59
				FENSULFOTHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				FENTHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				MALATHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				MERPHOS	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				METHYL PARATHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				MEVINPHOS	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				NALED	.00096	mg/L	U	N	Y	U	U					D182-02	17:59

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Sample Number:	Analytical/Extraction				Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:	Flt	REX	Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-02																			
QG3002	SW8141A	SW3520	N	0	.96	PARATHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
						PHORATE	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
						RONNEL	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
						STIROPHOS	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
						SULFOTEPP	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
						THIONAZIN	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
						TOKUTHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
						TRICHLORONATE	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
QG3003	SW8141A	SW3520	N	0	.95	AZINPHOS-METHYL	.00095	mg/L	U	N	Y		UJ		05B			D182-03	20:26
						BOLSTAR	.00095	mg/L	U	N	Y		U					D182-03	20:26
						CHLORPYRIFOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
						COUMAPHOS	.00095	mg/L	U	N	Y		UJ		05B			D182-03	20:26
						DEMETON (TOTAL)	.00095	mg/L	U	N	Y		UJ		08B	11A		D182-03	20:26
						DIAZINON	.00095	mg/L	U	N	Y		U					D182-03	20:26
						DICHLORVOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
						DIMETHOATE	.00095	mg/L	U	N	Y		U					D182-03	20:26
						DISULFOTON	.00095	mg/L	U	N	Y		UJ		08B			D182-03	20:26
						ETHOPROP	.00095	mg/L	U	N	Y		UJ		08B			D182-03	20:26
						FAMPHUR	.00095	mg/L	U	N	Y		UJ		05B			D182-03	20:26
						FENSULFOTHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
						FENTHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
						MALATHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
						MERPHOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
						METHYL PARATHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
						MEVINPHOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
						NALED	.00095	mg/L	U	N	Y		U					D182-03	20:26
						PARATHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
						PHORATE	.00095	mg/L	U	N	Y		U					D182-03	20:26
						RONNEL	.00095	mg/L	U	N	Y		U					D182-03	20:26
						STIROPHOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
						SULFOTEPP	.00095	mg/L	U	N	Y		U					D182-03	20:26
						THIONAZIN	.00095	mg/L	U	N	Y		U					D182-03	20:26
						TOKUTHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
						TRICHLORONATE	.00095	mg/L	U	N	Y		U					D182-03	20:26
QG3002	SW8270C	SW3520	N	0	.94	1,2,4-TRICHLOROBENZENE	.0094	mg/L	U	N	Y	U	U				D182-02	18:52	
						1,2-DICHLOROBENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
						1,3-DICHLOROBENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
						1,4-DICHLOROBENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
						2,4,5-TRICHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
						2,4,6-TRICHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
										Qlfr	Code:	1	2	3	4		
IASPOW-02																	
QG3002	SW8270C	SW3520	N 0 .94	2,4-DICHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2,4-DIMETHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2,4-DINITROPHENOL	.019	mg/L	U	N	Y	U	UJ		05B			D182-02	18:52
				2,4-DINITROTOLUENE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				2,6-DINITROTOLUENE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				2-CHLORONAPHTHALENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-CHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-METHYLNAPHTHALENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-METHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-NITROANILINE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				2-NITROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				3,3'-DICHLOROBENZIDINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				3-NITROANILINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4,6-DINITRO-2-METHYLPHENOL	.019	mg/L	U	N	Y	U	UJ		05B			D182-02	18:52
				4-BROMOPHENYL-PHENYL ETHER	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				4-CHLORO-3-METHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-CHLOROANILINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-CHLOROPHENYL-PHENYL ETHER	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-METHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-NITROANILINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-NITROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				ACENAPHTHENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				ACENAPHTHYLENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				ANTHRACENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(A)ANTHRACENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(A)PYRENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(B)FLUORANTHENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(G,H,I)PERYLENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(K)FLUORANTHENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-CHLOROETHOXY)METHANE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-CHLOROETHYL)ETHER	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-CHLOROISOPROPYL)ETHER	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-ETHYLHEXYL)PHTHALATE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				BUTYLBENZYLPHTHALATE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				CARBAZOLE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				CHRYSENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DI-N-BUTYLPHTHALATE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DI-N-OCTYLPHTHALATE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DIBENZO(A,H)ANTHRACENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DIBENZOFURAN	.0094	mg/L	U	N	Y	U	U					D182-02	18:52

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3002	SW8270C	SW3520	N 0 .94	DIETHYLPHTHALATE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				DIMETHYLPHTHALATE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				FLUORANTHENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				FLUORENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				HEXACHLOROBENZENE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				HEXACHLOROBUTADIENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				HEXACHLOROCYCLOPENTADIENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				HEXACHLOROETHANE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				INDENO(1,2,3-CD)PYRENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				ISOPHORONE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				N-NITROSO-DI-N-PROPYLAMINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				N-NITROSODIPHENYLAMINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				NAPHTHALENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				NITROBENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				PENTACHLOROPHENOL	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				PHENANTHRENE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				PHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				PYRENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
QG3003	SW8270C	SW3520	N 0 .95	1,2,4-TRICHLOROBENZENE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				1,2-DICHLOROBENZENE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				1,3-DICHLOROBENZENE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				1,4-DICHLOROBENZENE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2,4,5-TRICHLOROPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2,4,6-TRICHLOROPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2,4-DICHLOROPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2,4-DIMETHYLPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2,4-DINITROPHENOL	.019	mg/L	U	N	Y		UJ		05B			D182-03	19:22
				2,4-DINITROTOLUENE	.019	mg/L	U	N	Y		U					D182-03	19:22
				2,6-DINITROTOLUENE	.019	mg/L	U	N	Y		U					D182-03	19:22
				2-CHLORONAPHTHALENE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2-CHLOROPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2-METHYLNAPHTHALENE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2-METHYLPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22
				2-NITROANILINE	.019	mg/L	U	N	Y		U					D182-03	19:22
				2-NITROPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22
				3,3'-DICHLOROBENZIDINE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				3-NITROANILINE	.0095	mg/L	U	N	Y		U					D182-03	19:22
				4,6-DINITRO-2-METHYLPHENOL	.019	mg/L	U	N	Y		UJ		05B			D182-03	19:22
				4-BROMOPHENYL-PHENYL ETHER	.019	mg/L	U	N	Y		U					D182-03	19:22
				4-CHLORO-3-METHYLPHENOL	.0095	mg/L	U	N	Y		U					D182-03	19:22

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3003	SW8270C	SW3520	N 0 .95	4-CHLOROANILINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-CHLOROPHENYL-PHENYL ETHER	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-METHYLPHENOL	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-NITROANILINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-NITROPHENOL	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ACENAPHTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ACENAPHTHYLENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ANTHRACENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(A)ANTHRACENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(A)PYRENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(B)FLUORANTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(G,H,I)PERYLENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(K)FLUORANTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-CHLOROETHOXY)METHANE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-CHLOROETHYL)ETHER	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-CHLOROISOPROPYL)ETHER	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-ETHYLHEXYL)PHTHALATE	.019	mg/L	U	N	Y	U						D182-03	19:22
				BUTYLBENZYLPHTHALATE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				CARBAZOLE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				CHRYSENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DI-N-BUTYLPHTHALATE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DI-N-OCTYLPHTHALATE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DIBENZO(A,H)ANTHRACENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DIBENZOFURAN	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DIETHYLPHTHALATE	.019	mg/L	U	N	Y	U						D182-03	19:22
				DIMETHYLPHTHALATE	.019	mg/L	U	N	Y	U						D182-03	19:22
				FLUORANTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				FLUORENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROBENZENE	.019	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROBUTADIENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROCYCLOPENTADIENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROETHANE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				INDENO(1,2,3-CD)PYRENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ISOPHORONE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				N-NITROSO-DI-N-PROPYLAMINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				N-NITROSODIPHENYLAMINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				NAPHTHALENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				NITROBENZENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				PENTACHLOROPHENOL	.019	mg/L	U	N	Y	U						D182-03	19:22
				PHENANTHRENE	.019	mg/L	U	N	Y	U						D182-03	19:22

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-02																
QG3003	SW8270C	SW3520	N 0 .95	PHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				PYRENE	.0095	mg/L	U	N Y	U						D182-03	19:22
QG3002	SW8260B	SW5030	N 0 1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,1,1-TRICHLOROETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,1,2-TRICHLOROETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,1-DICHLOROETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,1-DICHLOROETHENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,1-DICHLOROPROPENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N Y U	UJ	05B					D182-02	20:38
				1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N Y U	R	04A 05A					D182-02	20:38
				1,2-DIBROMOETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,2-DICHLOROBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,2-DICHLOROETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,2-DICHLOROPROPANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,3-DICHLOROBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,3-DICHLOROPROPANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				1,4-DICHLOROBENZENE	.005	mg/L	U	N Y U	U						D182-02	20:38
				2,2-DICHLOROPROPANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				2-BUTANONE	.01	mg/L	U	N Y U	R	04A 05A					D182-02	20:38
				2-CHLOROTOLUENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				2-HEXANONE	.01	mg/L	U	N Y U	R	04A 05A					D182-02	20:38
				4-CHLOROTOLUENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				4-METHYL-2-PENTANONE	.01	mg/L	U	N Y U	R	05A					D182-02	20:38
				ACETONE	.01	mg/L	U	N Y U	R	04A 05A					D182-02	20:38
				BENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				BROMOBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				BROMOCHLOROMETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				BROMODICHLOROMETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				BROMOFORM	.001	mg/L	U	N Y U	U						D182-02	20:38
				BROMOMETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				CARBON DISULFIDE	.001	mg/L	U	N Y U	U						D182-02	20:38
				CARBON TETRACHLORIDE	.001	mg/L	U	N Y U	U						D182-02	20:38
				CHLOROBENZENE	.001	mg/L	U	N Y U	U						D182-02	20:38
				CHLOROETHANE	.001	mg/L	U	N Y U	U						D182-02	20:38
				CHLOROFORM	.001	mg/L	U	N Y U	U						D182-02	20:38

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3002	SW8260B	SW5030	N 0 1	CHLOROMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				DIBROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				DIBROMOMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				DICHLORODIFLUOROMETHANE	.001	mg/L	U	N	Y	U	UJ		05B			D182-02	20:38
				ETHYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				HEXACHLOROBUTADIENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				ISOPROPYL BENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				M/P-XYLENES	.002	mg/L	U	N	Y	U	U					D182-02	20:38
				METHYLENE CHLORIDE	.002	mg/L	U	N	Y	U	U					D182-02	20:38
				N-BUTYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				N-PROPYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				NAPHTHALENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				O-XYLENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				SEC-BUTYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				STYRENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				TERT-BUTYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				TETRACHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				TOLUENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				TRICHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				TRICHLOROFLUOROMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
				VINYL CHLORIDE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
QG3003	SW8260B	SW5030	N 0 1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,1,1-TRICHLOROETHANE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,1,2-TRICHLOROETHANE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,1-DICHLOROETHANE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,1-DICHLOROETHENE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,1-DICHLOROPROPENE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N	Y		UJ		05B			D182-03	21:15
				1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N	Y		R		04A	05A		D182-03	21:15
				1,2-DIBROMOETHANE	.001	mg/L	U	N	Y		U					D182-03	21:15
				1,2-DICHLOROBENZENE	.001	mg/L	U	N	Y		U					D182-03	21:15

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3003	SW8260B	SW5030	N 0 1	1,2-DICHLOROETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,3-DICHLOROBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,3-DICHLOROPROPANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,4-DICHLOROBENZENE	.005	mg/L	U	N	Y	U						D182-03	21:15
				2,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				2-BUTANONE	.01	mg/L	U	N	Y	R		04A	05A			D182-03	21:15
				2-CHLOROTOLUENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				2-HEXANONE	.01	mg/L	U	N	Y	R		04A	05A			D182-03	21:15
				4-CHLOROTOLUENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				4-METHYL-2-PENTANONE	.01	mg/L	U	N	Y	R		05A				D182-03	21:15
				ACETONE	.01	mg/L	U	N	Y	R		04A	05A			D182-03	21:15
				BENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMODICHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOFORM	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CARBON DISULFIDE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CARBON TETRACHLORIDE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROFORM	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				DIBROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				DIBROMOMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				DICHLORODIFLUOROMETHANE	.001	mg/L	U	N	Y	UJ		05B				D182-03	21:15
				ETHYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				HEXACHLOROBUTADIENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				ISOPROPYL BENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				M/P-XYLENES	.002	mg/L	U	N	Y	U						D182-03	21:15
				METHYLENE CHLORIDE	.002	mg/L	U	N	Y	U						D182-03	21:15
				N-BUTYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				N-PROPYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				NAPHTHALENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				O-XYLENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N	Y	U						D182-03	21:15

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Sample Number:	Analytical/Extraction		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:												Qlfr	Code:	1	2	3	4		
IASPOW-02																				
QG3003	SW8260B	SW5030	N	0	1	SEC-BUTYLBENZENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						STYRENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TERT-BUTYLBENZENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TETRACHLOROETHENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TOLUENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRICHLOROETHENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRICHLOROFLUOROMETHANE	.001	mg/L	U	N	Y		U						D182-03	21:15
						VINYL CHLORIDE	.001	mg/L	U	N	Y		U						D182-03	21:15

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0007	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-07	15:39
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-07	15:39
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-07	15:39
				2,4-DB	.023	mg/kg	U	N	Y	U	U					A141-07	15:39
				DALAPON	.023	mg/kg	U	N	Y	U	UJ		05B			A141-07	15:39
				DICAMBA	.023	mg/kg	U	N	Y	U	U					A141-07	15:39
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-07	15:39
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-07	15:39
				MCPA	2.3	mg/kg	U	N	Y	U	U					A141-07	15:39
				MCPP	2.3	mg/kg	U	N	Y	U	U					A141-07	15:39
QG0008	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-08	16:08
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-08	16:08
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-08	16:08
				2,4-DB	.025	mg/kg	U	N	Y	U	U					A141-08	16:08
				DALAPON	.025	mg/kg	U	N	Y	U	UJ		05B			A141-08	16:08
				DICAMBA	.025	mg/kg	U	N	Y	U	U					A141-08	16:08
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-08	16:08
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-08	16:08
				MCPA	2.5	mg/kg	U	N	Y	U	U					A141-08	16:08
				MCPP	.74	mg/kg	JN	Y	Y	P	J		15			A141-08	16:08
QG0009	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y		U					A141-09	16:38
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y		U					A141-09	16:38
				2,4-D	.012	mg/kg	U	N	Y		U					A141-09	16:38
				2,4-DB	.024	mg/kg	U	N	Y		U					A141-09	16:38
				DALAPON	.024	mg/kg	U	N	Y		UJ		05B			A141-09	16:38
				DICAMBA	.024	mg/kg	U	N	Y		U					A141-09	16:38
				DICHLOROPROP	.012	mg/kg	U	N	Y		U					A141-09	16:38
				DINOSEB	.012	mg/kg	U	N	Y		U					A141-09	16:38
				MCPA	2.4	mg/kg	U	N	Y		U					A141-09	16:38
				MCPP	2.4	mg/kg	U	N	Y		U					A141-09	16:38
QG0019	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-19	17:07
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-19	17:07
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-19	17:07
				2,4-DB	.024	mg/kg	U	N	Y	U	U					A141-19	17:07
				DALAPON	.024	mg/kg	U	N	Y	U	UJ		05B			A141-19	17:07
				DICAMBA	.024	mg/kg	U	N	Y	U	U					A141-19	17:07
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-19	17:07
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-19	17:07
				MCPA	2.4	mg/kg	U	N	Y	U	U					A141-19	17:07
				MCPP	2.4	mg/kg	U	N	Y	U	U					A141-19	17:07

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0020	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				2,4-D	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				2,4-DB	.024	mg/kg	U	N	Y	U	U					A141-20	17:36
				DALAPON	.024	mg/kg	U	N	Y	U	UJ		05B			A141-20	17:36
				DICAMBA	.024	mg/kg	U	N	Y	U	U					A141-20	17:36
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				DINOSEB	.012	mg/kg	U	N	Y	U	U					A141-20	17:36
				MCPA	2.4	mg/kg	U	N	Y	U	U					A141-20	17:36
				MCP	.6	mg/kg	JN	Y	Y	P	J		15			A141-20	17:36
QG0021	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y		U					A141-21	18:05
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y		U					A141-21	18:05
				2,4-D	.012	mg/kg	U	N	Y		U					A141-21	18:05
				2,4-DB	.024	mg/kg	U	N	Y		U					A141-21	18:05
				DALAPON	.024	mg/kg	U	N	Y		UJ		05B			A141-21	18:05
				DICAMBA	.024	mg/kg	U	N	Y		U					A141-21	18:05
				DICHLOROPROP	.012	mg/kg	U	N	Y		U					A141-21	18:05
				DINOSEB	.012	mg/kg	U	N	Y		U					A141-21	18:05
				MCPA	2.4	mg/kg	U	N	Y		U					A141-21	18:05
				MCP	2.4	mg/kg	U	N	Y		U					A141-21	18:05
QG0007	SW8081A	SW3550	N 0 1	4,4'-DDD	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				4,4'-DDE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				4,4'-DDT	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ALDRIN	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				ALPHA-BHC	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				ALPHA-CHLORDANE	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				BETA-BHC	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				DELTA-BHC	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				DIELDRIN	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDOSULFAN I	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDOSULFAN II	.0046	mg/kg	U	N	Y	U	UJ		05B			A141-07	17:04
				ENDOSULFAN SULFATE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDRIN	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDRIN ALDEHYDE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				ENDRIN KETONE	.0046	mg/kg	U	N	Y	U	U					A141-07	17:04
				GAMMA-BHC (LINDANE)	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				GAMMA-CHLORDANE	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				HEPTACHLOR	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				HEPTACHLOR EPOXIDE	.0023	mg/kg	U	N	Y	U	U					A141-07	17:04
				METHOXYCHLOR	.023	mg/kg	U	N	Y	U	U					A141-07	17:04

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
													Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0007	SW8081A	SW3550	N	0	1	TOXAPHENE	.046	mg/kg	U	N	Y	U	U						A141-07	17:04
QG0008	SW8081A	SW3550	N	0	1	4,4'-DDD	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						4,4'-DDE	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						4,4'-DDT	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						ALDRIN	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						ALPHA-BHC	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						ALPHA-CHLORDANE	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						BETA-BHC	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						DELTA-BHC	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						DIELDRIN	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						ENDOSULFAN I	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						ENDOSULFAN II	.0049	mg/kg	U	N	Y	U	UJ				05B		A141-08	17:29
						ENDOSULFAN SULFATE	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						ENDRIN	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						ENDRIN ALDEHYDE	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						ENDRIN KETONE	.0049	mg/kg	U	N	Y	U	U						A141-08	17:29
						GAMMA-BHC (LINDANE)	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						GAMMA-CHLORDANE	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						HEPTACHLOR	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						HEPTACHLOR EPOXIDE	.0025	mg/kg	U	N	Y	U	U						A141-08	17:29
						METHOXYCHLOR	.025	mg/kg	U	N	Y	U	U						A141-08	17:29
TOXAPHENE	.049	mg/kg	U	N	Y	U	U						A141-08	17:29						
QG0009	SW8081A	SW3550	N	0	1	4,4'-DDD	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						4,4'-DDE	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						4,4'-DDT	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						ALDRIN	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						ALPHA-BHC	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						BETA-BHC	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						DELTA-BHC	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						DIELDRIN	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						ENDOSULFAN I	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						ENDOSULFAN II	.0048	mg/kg	U	N	Y		UJ				05B	A141-09	17:54	
						ENDOSULFAN SULFATE	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						ENDRIN	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						ENDRIN ALDEHYDE	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						ENDRIN KETONE	.0048	mg/kg	U	N	Y		U					A141-09	17:54	
						GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y		U					A141-09	17:54	
						HEPTACHLOR	.0024	mg/kg	U	N	Y		U					A141-09	17:54	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0009	SW8081A	SW3550	N 0 1	HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N Y	U						A141-09	17:54
				METHOXYCHLOR	.024	mg/kg	U	N Y	U						A141-09	17:54
				TOXAPHENE	.048	mg/kg	U	N Y	U						A141-09	17:54
QG0019	SW8081A	SW3550	N 0 1	4,4'-DDD	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				4,4'-DDE	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				4,4'-DDT	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				ALDRIN	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				ALPHA-BHC	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				ALPHA-CHLORDANE	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				BETA-BHC	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				DELTA-BHC	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				DIELDRIN	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				ENDOSULFAN I	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				ENDOSULFAN II	.0047	mg/kg	U	N Y U	UJ		05B				A141-19	18:20
				ENDOSULFAN SULFATE	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				ENDRIN	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				ENDRIN ALDEHYDE	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				ENDRIN KETONE	.0047	mg/kg	U	N Y U	U						A141-19	18:20
				GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				GAMMA-CHLORDANE	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				HEPTACHLOR	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N Y U	U						A141-19	18:20
				METHOXYCHLOR	.024	mg/kg	U	N Y U	U						A141-19	18:20
				TOXAPHENE	.047	mg/kg	U	N Y U	U						A141-19	18:20
QG0020	SW8081A	SW3550	N 0 1	4,4'-DDD	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				4,4'-DDE	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				4,4'-DDT	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				ALDRIN	.0024	mg/kg	U	N Y U	U						A141-20	18:45
				ALPHA-BHC	.0024	mg/kg	U	N Y U	U						A141-20	18:45
				ALPHA-CHLORDANE	.0024	mg/kg	U	N Y U	U						A141-20	18:45
				BETA-BHC	.0024	mg/kg	U	N Y U	U						A141-20	18:45
				DELTA-BHC	.0024	mg/kg	U	N Y U	U						A141-20	18:45
				DIELDRIN	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				ENDOSULFAN I	.0024	mg/kg	U	N Y U	U						A141-20	18:45
				ENDOSULFAN II	.0048	mg/kg	U	N Y U	UJ		05B				A141-20	18:45
				ENDOSULFAN SULFATE	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				ENDRIN	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				ENDRIN ALDEHYDE	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				ENDRIN KETONE	.0048	mg/kg	U	N Y U	U						A141-20	18:45
				GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N Y U	U						A141-20	18:45

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Sample Number:	Analytical/Extraction				Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:						
	Method:	Flt	REX	Dil:							Qlfr	Code:	1	2	3	4								
IASPOW-01																								
QG0020	SW8081A	SW3550	N	0	1	GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U				A141-20	18:45						
						HEPTACHLOR	.0024	mg/kg	U	N	Y	U	U				A141-20	18:45						
						HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y	U	U				A141-20	18:45						
						METHOXYCHLOR	.024	mg/kg	U	N	Y	U	U				A141-20	18:45						
						TOXAPHENE	.048	mg/kg	U	N	Y	U	U				A141-20	18:45						
QG0021	SW8081A	SW3550	N	0	1	4,4'-DDD	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						4,4'-DDE	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						4,4'-DDT	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						ALDRIN	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						ALPHA-BHC	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						BETA-BHC	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						DELTA-BHC	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						DIELDRIN	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						ENDOSULFAN I	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						ENDOSULFAN II	.0048	mg/kg	U	N	Y		UJ		05B		A141-21	20:01						
						ENDOSULFAN SULFATE	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						ENDRIN	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						ENDRIN ALDEHYDE	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						ENDRIN KETONE	.0048	mg/kg	U	N	Y		U				A141-21	20:01						
						GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						HEPTACHLOR	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y		U				A141-21	20:01						
						METHOXYCHLOR	.024	mg/kg	U	N	Y		U				A141-21	20:01						
						TOXAPHENE	.048	mg/kg	U	N	Y		U				A141-21	20:01						
						QG0001	SW6010B	SW3050	N	0	1	ALUMINUM	22900	mg/kg		Y	Y	P					A141-01	22:29
												ANTIMONY	11.8	mg/kg	U	N	Y	U	UJ		08A		A141-01	22:29
												ARSENIC	8.8	mg/kg		Y	Y	P					A141-01	22:45
												BARIUM	40.8	mg/kg		Y	Y	P					A141-01	22:29
BERYLLIUM	.618	mg/kg	J	Y	Y							P	J		15		A141-01	22:29						
CADMIUM	1.18	mg/kg	U	N	Y							U	U				A141-01	22:29						
CALCIUM	134	mg/kg		Y	Y							P					A141-01	22:29						
CHROMIUM	12.8	mg/kg		Y	Y							P					A141-01	22:29						
COBALT	7.13	mg/kg		Y	Y							P					A141-01	22:29						
COPPER	12.8	mg/kg		Y	Y							P					A141-01	22:29						
IRON	26100	mg/kg		Y	Y							P					A141-01	22:29						
LEAD	26	mg/kg		Y	Y							P					A141-01	22:45						
MAGNESIUM	665	mg/kg		Y	Y							P					A141-01	22:29						
MANGANESE	868	mg/kg		Y	Y							P					A141-01	22:29						

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0001	SW6010B	SW3050	N 0 1	NICKEL	11.4	mg/kg		Y	Y	P						A141-01	22:29
				POTASSIUM	581	mg/kg	J	Y	Y	P	J		15			A141-01	22:29
				SELENIUM	1.18	mg/kg	U	N	Y	U	U					A141-01	22:45
				SILVER	1.74	mg/kg	J	Y	Y	P	J		15			A141-01	22:29
				SODIUM	65.8	mg/kg	J	Y	Y	P	J		15			A141-01	22:29
				THALLIUM	2.35	mg/kg	U	N	Y	U	U					A141-01	22:45
				VANADIUM	36.6	mg/kg		Y	Y	P						A141-01	22:29
				ZINC	37.9	mg/kg		Y	Y	P						A141-01	22:29
QG0002	SW7471A	TOTAL	N 0 1	MERCURY	.0679	mg/kg	J	Y	Y	P	J		15			A141-01	14:33
	SW6010B	SW3050	N 0 1	ALUMINUM	15200	mg/kg		Y	Y	P						A141-02	22:19
				ANTIMONY	11.3	mg/kg	U	N	Y	U	UJ		08A			A141-02	22:19
				ARSENIC	5.11	mg/kg		Y	Y	P						A141-02	22:29
				BARIUM	26.3	mg/kg		Y	Y	P						A141-02	22:19
				BERYLLIUM	1.13	mg/kg	U	N	Y	U	U					A141-02	22:19
				CADMIUM	1.13	mg/kg	U	N	Y	U	U					A141-02	22:19
				CALCIUM	47.7	mg/kg	J	Y	Y	P	J		15			A141-02	22:19
				CHROMIUM	10.7	mg/kg		Y	Y	P						A141-02	22:19
				COBALT	3.09	mg/kg		Y	Y	P						A141-02	22:19
				COPPER	7.64	mg/kg		Y	Y	P						A141-02	22:19
				IRON	15000	mg/kg		Y	Y	P						A141-02	22:19
				LEAD	10.6	mg/kg		Y	Y	P						A141-02	22:29
				MAGNESIUM	449	mg/kg		Y	Y	P						A141-02	22:19
				MANGANESE	169	mg/kg		Y	Y	P						A141-02	22:19
				NICKEL	7.27	mg/kg		Y	Y	P						A141-02	22:19
				POTASSIUM	489	mg/kg	J	Y	Y	P	J		15			A141-02	22:19
				SELENIUM	1.13	mg/kg	U	N	Y	U	U					A141-02	22:29
				SILVER	2.25	mg/kg	U	N	Y	U	U					A141-02	22:19
				SODIUM	56.9	mg/kg	J	Y	Y	P	J		15			A141-02	22:19
				THALLIUM	2.25	mg/kg	U	N	Y	U	U					A141-02	22:29
				VANADIUM	25.5	mg/kg		Y	Y	P						A141-02	22:19
				ZINC	17.3	mg/kg		Y	Y	P						A141-02	22:19
	SW7471A	TOTAL	N 0 1	MERCURY	.0538	mg/kg	J	Y	Y	P	J		15			A141-02	14:35
QG0003	SW6010B	SW3050	N 0 1	ALUMINUM	8440	mg/kg		Y	Y	P						A141-03	22:24
				ANTIMONY	11.1	mg/kg	U	N	Y	U	UJ		08A			A141-03	22:24
				ARSENIC	4.99	mg/kg		Y	Y	P						A141-03	22:34
				BARIUM	30.2	mg/kg		Y	Y	P						A141-03	22:24
				BERYLLIUM	.455	mg/kg	J	Y	Y	P	J		15			A141-03	22:24
				CADMIUM	1.11	mg/kg	U	N	Y	U	U					A141-03	22:24
				CALCIUM	101	mg/kg	J	Y	Y	P	J		15			A141-03	22:24
				CHROMIUM	6.6	mg/kg		Y	Y	P						A141-03	22:24

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
													Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0003	SW6010B	SW3050	N	0	1	COBALT	4	mg/kg		Y	Y	P							A141-03	22:24
						COPPER	9.87	mg/kg		Y	Y	P						A141-03	22:24	
						IRON	16600	mg/kg		Y	Y	P						A141-03	22:24	
						LEAD	26.3	mg/kg		Y	Y	P						A141-03	22:34	
						MAGNESIUM	326	mg/kg		Y	Y	P						A141-03	22:24	
						MANGANESE	419	mg/kg		Y	Y	P						A141-03	22:24	
						NICKEL	6.42	mg/kg		Y	Y	P						A141-03	22:24	
						POTASSIUM	433	mg/kg	J	Y	Y	P	J		15			A141-03	22:24	
						SELENIUM	1.11	mg/kg	U	N	Y	U	U					A141-03	22:34	
						SILVER	2.21	mg/kg	U	N	Y	U	U					A141-03	22:24	
						SODIUM	59.3	mg/kg	J	Y	Y	P	J		15			A141-03	22:24	
						THALLIUM	2.21	mg/kg	U	N	Y	U	U					A141-03	22:34	
						VANADIUM	16	mg/kg		Y	Y	P						A141-03	22:24	
						ZINC	17.4	mg/kg		Y	Y	P						A141-03	22:24	
						QG0004	SW7471A	TOTAL	N	0	1	MERCURY	.111	mg/kg	U	N	Y	U	U	
SW6010B	SW3050	N	0	1	ALUMINUM		18800	mg/kg		Y	Y	P						A141-04	23:02	
					ANTIMONY		11.7	mg/kg	U	N	Y	U	UJ		08A			A141-04	23:02	
					ARSENIC		5.55	mg/kg		Y	Y	P						A141-04	23:17	
					BARIUM		87.6	mg/kg		Y	Y	P						A141-04	23:02	
					BERYLLIUM		.561	mg/kg	J	Y	Y	P	J		15			A141-04	23:02	
					CADMIUM		1.17	mg/kg	U	N	Y	U	U					A141-04	23:02	
					CALCIUM		328	mg/kg		Y	Y	P						A141-04	23:02	
					CHROMIUM		10.9	mg/kg		Y	Y	P						A141-04	23:02	
					COBALT		6.47	mg/kg		Y	Y	P						A141-04	23:02	
					COPPER		81.4	mg/kg		Y	Y	P						A141-04	23:02	
					IRON		15200	mg/kg		Y	Y	P						A141-04	23:02	
					LEAD		429	mg/kg		Y	Y	P						A141-04	23:17	
					MAGNESIUM		681	mg/kg		Y	Y	P						A141-04	23:02	
					MANGANESE		1560	mg/kg		Y	Y	P						A141-04	23:02	
NICKEL	10.3	mg/kg		Y	Y	P						A141-04	23:02							
POTASSIUM	659	mg/kg		Y	Y	P						A141-04	23:02							
SELENIUM	1.17	mg/kg	U	N	Y	U	U					A141-04	23:17							
SILVER	2.34	mg/kg	U	N	Y	U	U					A141-04	23:02							
SODIUM	64.7	mg/kg	J	Y	Y	P	J		15			A141-04	23:02							
THALLIUM	2.34	mg/kg	U	N	Y	U	U					A141-04	23:17							
VANADIUM	26.5	mg/kg		Y	Y	P						A141-04	23:02							
ZINC	39.3	mg/kg		Y	Y	P						A141-04	23:02							
QG0005	SW7471A	TOTAL	N	0	1	MERCURY	.0377	mg/kg	J	Y	Y	P	J		15			A141-04	14:40	
	SW6010B	SW3050	N	0	1	ALUMINUM	26500	mg/kg		Y	Y	P						A141-05	23:07	
						ANTIMONY	11.5	mg/kg	U	N	Y	U	UJ		08A			A141-05	23:07	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0005	SW6010B	SW3050	N 0 1	ARSENIC	13.4	mg/kg		Y Y P							A141-05	23:22
				BARIUM	77.7	mg/kg		Y Y P							A141-05	23:07
				BERYLLIUM	.793	mg/kg	J	Y Y P	J		15				A141-05	23:07
				CADMIUM	1.15	mg/kg	U	N Y U	U						A141-05	23:07
				CALCIUM	327	mg/kg		Y Y P							A141-05	23:07
				CHROMIUM	14.4	mg/kg		Y Y P							A141-05	23:07
				COBALT	8.98	mg/kg		Y Y P							A141-05	23:07
				COPPER	37.6	mg/kg		Y Y P							A141-05	23:07
				IRON	29200	mg/kg		Y Y P							A141-05	23:07
				LEAD	110	mg/kg		Y Y P							A141-05	23:22
				MAGNESIUM	1070	mg/kg		Y Y P							A141-05	23:07
				MANGANESE	1290	mg/kg		Y Y P							A141-05	23:07
				NICKEL	15.4	mg/kg		Y Y P							A141-05	23:07
				POTASSIUM	1030	mg/kg		Y Y P							A141-05	23:07
				SELENIUM	1.15	mg/kg	U	N Y U	U						A141-05	23:22
				SILVER	1.88	mg/kg	J	Y Y P	J		15				A141-05	23:07
				SODIUM	64.3	mg/kg	J	Y Y P	J		15				A141-05	23:07
				THALLIUM	2.3	mg/kg	U	N Y U	U						A141-05	23:22
				VANADIUM	38.6	mg/kg		Y Y P							A141-05	23:07
				ZINC	40	mg/kg		Y Y P							A141-05	23:07
	SW7471A	TOTAL	N 0 1	MERCURY	.0403	mg/kg	J	Y Y P	J		15				A141-05	14:42
QG0006	SW6010B	SW3050	N 0 1	ALUMINUM	19600	mg/kg		Y Y P							A141-06	23:12
				ANTIMONY	1330	mg/kg		Y Y P	J		08A				A141-06	23:12
				ARSENIC	117	mg/kg		Y Y P							A141-06	23:28
				BARIUM	68.4	mg/kg		Y Y P							A141-06	23:12
				BERYLLIUM	.96	mg/kg	J	Y Y P	J		15				A141-06	23:12
				CADMIUM	1.18	mg/kg	U	N Y U	U						A141-06	23:12
				CALCIUM	202	mg/kg		Y Y P							A141-06	23:12
				CHROMIUM	16.6	mg/kg		Y Y P							A141-06	23:12
				COBALT	8.99	mg/kg		Y Y P							A141-06	23:12
				COPPER	38.4	mg/kg		Y Y P							A141-06	23:12
				IRON	33100	mg/kg		Y Y P							A141-06	23:12
				LEAD	22200	mg/kg		Y Y P							A141-06	23:28
				MAGNESIUM	733	mg/kg		Y Y P							A141-06	23:12
				MANGANESE	1300	mg/kg		Y Y P							A141-06	23:12
				NICKEL	13.1	mg/kg		Y Y P							A141-06	23:12
				POTASSIUM	801	mg/kg		Y Y P							A141-06	23:12
				SELENIUM	1.18	mg/kg	U	N Y U	U						A141-06	23:28
				SILVER	3.01	mg/kg		Y Y P							A141-06	23:12
				SODIUM	64.4	mg/kg	J	Y Y P	J		15				A141-06	23:12

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:					
													Qlfr	Code:	1	2	3	4							
IASPOW-01																									
QG0006	SW6010B	SW3050	N	0	1	THALLIUM	2.35	mg/kg	U	N	Y	U	U						A141-06	23:28					
						VANADIUM	34.6	mg/kg		Y	Y	P						A141-06	23:12						
						ZINC	38.4	mg/kg		Y	Y	P						A141-06	23:12						
	SW7471A	TOTAL	N	0	1	MERCURY	.0426	mg/kg	J	Y	Y	P	J		15			A141-06	14:50						
QG0007	SW6010B	SW3050	N	0	1	ALUMINUM	21700	mg/kg		Y	Y	P						A141-07	23:16						
						ANTIMONY	11.5	mg/kg	U	N	Y	U	UJ		08A			A141-07	23:16						
						ARSENIC	10	mg/kg		Y	Y	P						A141-07	23:33						
						BARIUM	106	mg/kg		Y	Y	P						A141-07	23:16						
						BERYLLIUM	.871	mg/kg	J	Y	Y	P	J		15			A141-07	23:16						
						CADMIUM	1.15	mg/kg	U	N	Y	U	U					A141-07	23:16						
						CALCIUM	394	mg/kg		Y	Y	P						A141-07	23:16						
						CHROMIUM	14.7	mg/kg		Y	Y	P						A141-07	23:16						
						COBALT	9.4	mg/kg		Y	Y	P						A141-07	23:16						
						COPPER	55.5	mg/kg		Y	Y	P						A141-07	23:16						
						IRON	27300	mg/kg		Y	Y	P						A141-07	23:16						
						LEAD	225	mg/kg		Y	Y	P						A141-07	23:33						
						MAGNESIUM	753	mg/kg		Y	Y	P						A141-07	23:16						
						MANGANESE	1690	mg/kg		Y	Y	P						A141-07	23:16						
						NICKEL	13.9	mg/kg		Y	Y	P						A141-07	23:16						
						POTASSIUM	705	mg/kg		Y	Y	P						A141-07	23:16						
						SELENIUM	1.15	mg/kg	U	N	Y	U	U					A141-07	23:33						
						SILVER	1.8	mg/kg	J	Y	Y	P	J		15			A141-07	23:16						
						SODIUM	68.2	mg/kg	J	Y	Y	P	J		15			A141-07	23:16						
						THALLIUM	2.31	mg/kg	U	N	Y	U	U					A141-07	23:33						
						VANADIUM	35.2	mg/kg		Y	Y	P						A141-07	23:16						
						ZINC	37	mg/kg		Y	Y	P						A141-07	23:16						
							SW7471A	TOTAL	N	0	1	MERCURY	.0333	mg/kg	J	Y	Y	P	J		15			A141-07	14:52
						QG0008	SW6010B	SW3050	N	0	1	ALUMINUM	23100	mg/kg		Y	Y	P						A141-08	23:21
												ANTIMONY	12.3	mg/kg	U	N	Y	U	UJ		08A			A141-08	23:21
												ARSENIC	6.56	mg/kg		Y	Y	P						A141-08	23:38
												BARIUM	35.6	mg/kg		Y	Y	P						A141-08	23:21
												BERYLLIUM	.433	mg/kg	J	Y	Y	P	J		15			A141-08	23:21
												CADMIUM	1.23	mg/kg	U	N	Y	U	U					A141-08	23:21
CALCIUM	144	mg/kg		Y	Y							P						A141-08	23:21						
CHROMIUM	15.5	mg/kg		Y	Y							P						A141-08	23:21						
COBALT	4.93	mg/kg		Y	Y							P						A141-08	23:21						
COPPER	11.8	mg/kg		Y	Y							P						A141-08	23:21						
IRON	23800	mg/kg		Y	Y							P						A141-08	23:21						
LEAD	17.1	mg/kg		Y	Y							P						A141-08	23:38						
MAGNESIUM	633	mg/kg		Y	Y							P						A141-08	23:21						

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
													Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0008	SW6010B	SW3050	N	0	1	MANGANESE	258	mg/kg		Y	Y	P							A141-08	23:21
						NICKEL	11.7	mg/kg		Y	Y	P					A141-08	23:21		
						POTASSIUM	603	mg/kg	J	Y	Y	P	J		15		A141-08	23:21		
						SELENIUM	1.23	mg/kg	U	N	Y	U	U				A141-08	23:38		
						SILVER	1.91	mg/kg	J	Y	Y	P	J		15		A141-08	23:21		
						SODIUM	68	mg/kg	J	Y	Y	P	J		15		A141-08	23:21		
						THALLIUM	2.45	mg/kg	U	N	Y	U	U				A141-08	23:38		
						VANADIUM	34.4	mg/kg		Y	Y	P					A141-08	23:21		
						ZINC	28.1	mg/kg		Y	Y	P					A141-08	23:21		
	SW7471A	TOTAL	N	0	1	MERCURY	.0736	mg/kg	J	Y	Y	P	J		15		A141-08	14:54		
	QG0009	SW6010B	SW3050	N	0	1	ALUMINUM	22000	mg/kg		Y	Y							A141-09	23:26
							ANTIMONY	11.9	mg/kg	U	N	Y		UJ		08A		A141-09	23:26	
							ARSENIC	7.02	mg/kg		Y	Y						A141-09	23:44	
							BARIUM	33.3	mg/kg		Y	Y						A141-09	23:26	
							BERYLLIUM	.442	mg/kg	J	Y	Y		J		15		A141-09	23:26	
							CADMIUM	1.19	mg/kg	U	N	Y		U				A141-09	23:26	
CALCIUM							136	mg/kg		Y	Y						A141-09	23:26		
CHROMIUM							19.2	mg/kg		Y	Y						A141-09	23:26		
COBALT							4.61	mg/kg		Y	Y						A141-09	23:26		
COPPER							11.2	mg/kg		Y	Y						A141-09	23:26		
IRON							23400	mg/kg		Y	Y						A141-09	23:26		
LEAD							15.4	mg/kg		Y	Y						A141-09	23:44		
MAGNESIUM							621	mg/kg		Y	Y						A141-09	23:26		
MANGANESE							245	mg/kg		Y	Y						A141-09	23:26		
NICKEL							10.9	mg/kg		Y	Y						A141-09	23:26		
POTASSIUM							614	mg/kg		Y	Y						A141-09	23:26		
SELENIUM							1.19	mg/kg	U	N	Y		U				A141-09	23:44		
SILVER							1.64	mg/kg	J	Y	Y		J		15		A141-09	23:26		
SODIUM							63.7	mg/kg	J	Y	Y		J		15		A141-09	23:26		
THALLIUM							2.38	mg/kg	U	N	Y		U				A141-09	23:44		
VANADIUM							33.9	mg/kg		Y	Y						A141-09	23:26		
ZINC							27.6	mg/kg		Y	Y						A141-09	23:26		
SW7471A							TOTAL	N	0	1	MERCURY	.0724	mg/kg	J	Y	Y		J		15
QG0010	SW6010B	SW3050	N	0	1	ALUMINUM	26900	mg/kg		Y	Y	P						A141-10	23:31	
						ANTIMONY	12	mg/kg	U	N	Y	U	UJ		08A		A141-10	23:31		
						ARSENIC	9.19	mg/kg		Y	Y	P					A141-10	23:49		
						BARIUM	51.1	mg/kg		Y	Y	P					A141-10	23:31		
						BERYLLIUM	.641	mg/kg	J	Y	Y	P	J		15		A141-10	23:31		
						CADMIUM	1.2	mg/kg	U	N	Y	U	U				A141-10	23:31		
						CALCIUM	231	mg/kg		Y	Y	P					A141-10	23:31		

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0010	SW6010B	SW3050	N 0 1	CHROMIUM	19.9	mg/kg		Y	Y	P						A141-10	23:31
				COBALT	23.4	mg/kg		Y	Y	P						A141-10	23:31
				COPPER	14.8	mg/kg		Y	Y	P						A141-10	23:31
				IRON	33100	mg/kg		Y	Y	P						A141-10	23:31
				LEAD	65.2	mg/kg		Y	Y	P						A141-10	23:49
				MAGNESIUM	788	mg/kg		Y	Y	P						A141-10	23:31
				MANGANESE	2320	mg/kg		Y	Y	P						A141-10	23:31
				NICKEL	11.7	mg/kg		Y	Y	P						A141-10	23:31
				POTASSIUM	669	mg/kg		Y	Y	P						A141-10	23:31
				SELENIUM	.694	mg/kg	J	Y	Y	P	J		15			A141-10	23:49
				SILVER	2.13	mg/kg	J	Y	Y	P	J		15			A141-10	23:31
				SODIUM	64.2	mg/kg	J	Y	Y	P	J		15			A141-10	23:31
				THALLIUM	2.4	mg/kg	U	N	Y	U	U					A141-10	23:49
				VANADIUM	47.8	mg/kg		Y	Y	P						A141-10	23:31
				ZINC	31	mg/kg		Y	Y	P						A141-10	23:31
QG0011	SW7471A	TOTAL	N 0 1	MERCURY	.112	mg/kg	J	Y	Y	P	J		15			A141-10	14:59
	SW6010B	SW3050	N 0 1	ALUMINUM	30100	mg/kg		Y	Y	P						A141-11	12:27
				ANTIMONY	12.2	mg/kg	U	N	Y	U	UJ		08A			A141-11	12:27
				ARSENIC	11	mg/kg		Y	Y	P	J		08A			A141-11	15:03
				BARIUM	42.9	mg/kg		Y	Y	P						A141-11	12:27
				BERYLLIUM	.688	mg/kg	J	Y	Y	P	J		15			A141-11	12:27
				CADMIUM	1.22	mg/kg	U	N	Y	U	U					A141-11	12:27
				CALCIUM	120	mg/kg	J	Y	Y	P	J		15			A141-11	12:27
				CHROMIUM	19.7	mg/kg		Y	Y	P						A141-11	12:27
				COBALT	10.3	mg/kg		Y	Y	P						A141-11	12:27
				COPPER	19	mg/kg		Y	Y	P						A141-11	12:27
				IRON	35100	mg/kg		Y	Y	P						A141-11	12:27
				LEAD	29.9	mg/kg		Y	Y	P						A141-11	15:03
				MAGNESIUM	863	mg/kg		Y	Y	P						A141-11	12:27
				MANGANESE	633	mg/kg		Y	Y	P						A141-11	12:27
				NICKEL	13.4	mg/kg		Y	Y	P						A141-11	12:27
				POTASSIUM	810	mg/kg		Y	Y	P						A141-11	12:27
				SELENIUM	.898	mg/kg	J	Y	Y	P	J		08A	15		A141-11	15:03
				SILVER	2.44	mg/kg	U	N	Y	U	U					A141-11	12:27
				SODIUM	43.9	mg/kg	J	Y	Y	P	J		15			A141-11	12:27
				THALLIUM	2.44	mg/kg	U	N	Y	U	U					A141-11	15:03
				VANADIUM	53.9	mg/kg		Y	Y	P						A141-11	12:27
				ZINC	41.1	mg/kg		Y	Y	P	J		13			A141-11	12:27
	SW7471A	TOTAL	N 0 1	MERCURY	.109	mg/kg	J	Y	Y	P	J		15			A141-11	15:01
QG0012	SW6010B	SW3050	N 0 1	ALUMINUM	31400	mg/kg		Y	Y	P						A141-12	12:32

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													Qlfr	Code:	1	2	3	4							
IASPOW-01																									
QG0012	SW6010B	SW3050	N	0	1	ANTIMONY	12	mg/kg	U	N	Y	U	UJ		08A				A141-12	12:32					
						ARSENIC	12.1	mg/kg		Y	Y	P	J		08A			A141-12	15:08						
						BARIUM	118	mg/kg		Y	Y	P						A141-12	12:32						
						BERYLLIUM	1.3	mg/kg		Y	Y	P						A141-12	12:32						
						CADMIUM	1.2	mg/kg	U	N	Y	U	U					A141-12	12:32						
						CALCIUM	219	mg/kg		Y	Y	P						A141-12	12:32						
						CHROMIUM	37.7	mg/kg		Y	Y	P						A141-12	12:32						
						COBALT	14.4	mg/kg		Y	Y	P						A141-12	12:32						
						COPPER	28.4	mg/kg		Y	Y	P						A141-12	12:32						
						IRON	33600	mg/kg		Y	Y	P						A141-12	12:32						
						LEAD	116	mg/kg		Y	Y	P						A141-12	15:08						
						MAGNESIUM	964	mg/kg		Y	Y	P						A141-12	12:32						
						MANGANESE	3190	mg/kg		Y	Y	P						A141-12	12:32						
						NICKEL	16.8	mg/kg		Y	Y	P						A141-12	12:32						
						POTASSIUM	887	mg/kg		Y	Y	P						A141-12	12:32						
						SELENIUM	1.2	mg/kg	U	N	Y	U	UJ		08A			A141-12	15:08						
						SILVER	2.39	mg/kg	U	N	Y	U	U					A141-12	12:32						
						SODIUM	47.4	mg/kg	J	Y	Y	P	J		15			A141-12	12:32						
						THALLIUM	2.39	mg/kg	U	N	Y	U	U					A141-12	15:08						
						VANADIUM	52.9	mg/kg		Y	Y	P						A141-12	12:32						
						ZINC	46.6	mg/kg		Y	Y	P	J		13			A141-12	12:32						
						QG0013	SW7471A	TOTAL	N	0	1	MERCURY	.0386	mg/kg	J	Y	Y	P	J		15			A141-12	15:03
							SW6010B	SW3050	N	0	1	ALUMINUM	31600	mg/kg		Y	Y	P					A141-13	13:10	
ANTIMONY	12	mg/kg	U	N	Y							U	UJ		08A		A141-13	13:10							
ARSENIC	12	mg/kg		Y	Y							P	J		08A		A141-13	15:51							
BARIUM	53.3	mg/kg		Y	Y							P					A141-13	13:10							
BERYLLIUM	.748	mg/kg	J	Y	Y							P	J		15		A141-13	13:10							
CADMIUM	1.2	mg/kg	U	N	Y							U	U				A141-13	13:10							
CALCIUM	87.4	mg/kg	J	Y	Y							P	J		15		A141-13	13:10							
CHROMIUM	18.8	mg/kg		Y	Y							P					A141-13	13:10							
COBALT	18	mg/kg		Y	Y							P					A141-13	13:10							
COPPER	18.6	mg/kg		Y	Y							P					A141-13	13:10							
IRON	36100	mg/kg		Y	Y							P					A141-13	13:10							
LEAD	41	mg/kg		Y	Y							P					A141-13	15:51							
MAGNESIUM	879	mg/kg		Y	Y							P					A141-13	13:10							
MANGANESE	1180	mg/kg		Y	Y							P					A141-13	13:10							
NICKEL	15	mg/kg		Y	Y							P					A141-13	13:10							
POTASSIUM	840	mg/kg		Y	Y							P					A141-13	13:10							
SELENIUM	.836	mg/kg	J	Y	Y							P	J		08A	15	A141-13	15:51							
SILVER	2.41	mg/kg	U	N	Y							U	U				A141-13	13:10							

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
													Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0013	SW6010B	SW3050	N	0	1	SODIUM	47.3	mg/kg	J	Y	Y	P	J		15				A141-13	13:10
						THALLIUM	2.41	mg/kg	U	N	Y	U	U					A141-13	15:51	
						VANADIUM	59.7	mg/kg		Y	Y	P						A141-13	13:10	
						ZINC	43.8	mg/kg		Y	Y	P	J		13			A141-13	13:10	
QG0014	SW7471A	TOTAL	N	0	1	MERCURY	.0811	mg/kg	J	Y	Y	P	J		15			A141-13	15:05	
	SW6010B	SW3050	N	0	1	ALUMINUM	24500	mg/kg		Y	Y	P						A141-14	13:15	
						ANTIMONY	11.7	mg/kg	U	N	Y	U	UJ		08A			A141-14	13:15	
						ARSENIC	16.6	mg/kg		Y	Y	P	J		08A			A141-14	15:56	
BARIUM						115	mg/kg		Y	Y	P						A141-14	13:15		
BERYLLIUM						1.28	mg/kg		Y	Y	P						A141-14	13:15		
CADMIUM						1.17	mg/kg	U	N	Y	U	U					A141-14	13:15		
CALCIUM						234	mg/kg		Y	Y	P						A141-14	13:15		
CHROMIUM						16.7	mg/kg		Y	Y	P						A141-14	13:15		
COBALT						10.9	mg/kg		Y	Y	P						A141-14	13:15		
COPPER						53.6	mg/kg		Y	Y	P						A141-14	13:15		
IRON						39800	mg/kg		Y	Y	P						A141-14	13:15		
LEAD						164	mg/kg		Y	Y	P						A141-14	15:56		
MAGNESIUM						896	mg/kg		Y	Y	P						A141-14	13:15		
MANGANESE						1830	mg/kg		Y	Y	P						A141-14	13:15		
NICKEL						17.3	mg/kg		Y	Y	P						A141-14	13:15		
POTASSIUM						1020	mg/kg		Y	Y	P						A141-14	13:15		
SELENIUM						1.17	mg/kg	U	N	Y	U	UJ		08A			A141-14	15:56		
SILVER						2.34	mg/kg	U	N	Y	U	U					A141-14	13:15		
SODIUM						40.3	mg/kg	J	Y	Y	P	J		15			A141-14	13:15		
THALLIUM						2.34	mg/kg	U	N	Y	U	U					A141-14	15:56		
VANADIUM	44.3	mg/kg		Y	Y	P						A141-14	13:15							
ZINC	55.4	mg/kg		Y	Y	P	J		13			A141-14	13:15							
QG0015	SW7471A	TOTAL	N	0	1	MERCURY	.0458	mg/kg	J	Y	Y	P	J		15			A141-14	15:07	
	SW6010B	SW3050	N	0	1	ALUMINUM	32000	mg/kg		Y	Y	P						A141-15	13:19	
						ANTIMONY	11.9	mg/kg	U	N	Y	U	UJ		08A			A141-15	13:19	
						ARSENIC	10.4	mg/kg		Y	Y	P	J		08A			A141-15	16:01	
BARIUM						89.9	mg/kg		Y	Y	P						A141-15	13:19		
BERYLLIUM						.813	mg/kg	J	Y	Y	P	J		15			A141-15	13:19		
CADMIUM						1.19	mg/kg	U	N	Y	U	U					A141-15	13:19		
CALCIUM						444	mg/kg		Y	Y	P						A141-15	13:19		
CHROMIUM						20.8	mg/kg		Y	Y	P						A141-15	13:19		
COBALT						9.85	mg/kg		Y	Y	P						A141-15	13:19		
COPPER						26.6	mg/kg		Y	Y	P						A141-15	13:19		
IRON						29400	mg/kg		Y	Y	P						A141-15	13:19		
LEAD						62.9	mg/kg		Y	Y	P						A141-15	16:01		

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Sample Number:	Analytical/Extraction		Fit	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:											Qlfr	Code:	1	2	3	4		
IASPOW-01																			
QG0015	SW6010B	SW3050	N	0	1	MAGNESIUM	1070	mg/kg		Y	Y	P					A141-15	13:19	
						MANGANESE	770	mg/kg		Y	Y	P					A141-15	13:19	
						NICKEL	15.3	mg/kg		Y	Y	P					A141-15	13:19	
						POTASSIUM	903	mg/kg		Y	Y	P					A141-15	13:19	
						SELENIUM	.627	mg/kg	J	Y	Y	P	J		08A	15		A141-15	16:01
						SILVER	2.38	mg/kg	U	N	Y	U	U					A141-15	13:19
						SODIUM	43.4	mg/kg	J	Y	Y	P	J		15			A141-15	13:19
						THALLIUM	2.38	mg/kg	U	N	Y	U	U					A141-15	16:01
						VANADIUM	46.3	mg/kg		Y	Y	P						A141-15	13:19
						ZINC	47.9	mg/kg		Y	Y	P	J		13			A141-15	13:19
QG0016	SW7471A	TOTAL	N	0	1	MERCURY	.05	mg/kg	J	Y	Y	P	J		15		A141-15	15:17	
	SW6010B	SW3050	N	0	1	ALUMINUM	30600	mg/kg		Y	Y	P					A141-16	13:24	
						ANTIMONY	11.6	mg/kg	U	N	Y	U	UJ		08A			A141-16	13:24
						ARSENIC	13.8	mg/kg		Y	Y	P	J		08A			A141-16	16:07
						BARIUM	114	mg/kg		Y	Y	P						A141-16	13:24
						BERYLLIUM	1.15	mg/kg	J	Y	Y	P	J		15			A141-16	13:24
						CADMIUM	1.16	mg/kg	U	N	Y	U	U					A141-16	13:24
						CALCIUM	1390	mg/kg		Y	Y	P						A141-16	13:24
						CHROMIUM	21.6	mg/kg		Y	Y	P						A141-16	13:24
						COBALT	14.5	mg/kg		Y	Y	P						A141-16	13:24
COPPER						37.8	mg/kg		Y	Y	P						A141-16	13:24	
IRON						32700	mg/kg		Y	Y	P						A141-16	13:24	
LEAD						193	mg/kg		Y	Y	P						A141-16	16:07	
MAGNESIUM						1420	mg/kg		Y	Y	P						A141-16	13:24	
MANGANESE						2660	mg/kg		Y	Y	P						A141-16	13:24	
NICKEL						18.2	mg/kg		Y	Y	P						A141-16	13:24	
POTASSIUM						1040	mg/kg		Y	Y	P						A141-16	13:24	
SELENIUM						1.16	mg/kg	U	N	Y	U	UJ		08A			A141-16	16:07	
SILVER						2.33	mg/kg	U	N	Y	U	U					A141-16	13:24	
SODIUM						55.1	mg/kg	J	Y	Y	P	J		15			A141-16	13:24	
THALLIUM	2.33	mg/kg	U	N	Y	U	U					A141-16	16:07						
VANADIUM	48.4	mg/kg		Y	Y	P						A141-16	13:24						
ZINC	47.2	mg/kg		Y	Y	P	J		13			A141-16	13:24						
QG0017	SW7471A	TOTAL	N	0	1	MERCURY	.0418	mg/kg	J	Y	Y	P	J		15		A141-16	15:19	
	SW6010B	SW3050	N	0	1	ALUMINUM	20500	mg/kg		Y	Y	P					A141-17	13:29	
						ANTIMONY	11.7	mg/kg	U	N	Y	U	UJ		08A			A141-17	13:29
						ARSENIC	5.51	mg/kg		Y	Y	P	J		08A			A141-17	16:12
						BARIUM	42.9	mg/kg		Y	Y	P						A141-17	13:29
						BERYLLIUM	.473	mg/kg	J	Y	Y	P	J		15			A141-17	13:29
CADMIUM	1.17	mg/kg	U	N	Y	U	U					A141-17	13:29						

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0017	SW6010B	SW3050	N 0 1	CALCIUM	72.7	mg/kg	J	Y Y P	J		15				A141-17	13:29
				CHROMIUM	14.6	mg/kg		Y Y P							A141-17	13:29
				COBALT	4.54	mg/kg		Y Y P							A141-17	13:29
				COPPER	12.5	mg/kg		Y Y P							A141-17	13:29
				IRON	22000	mg/kg		Y Y P							A141-17	13:29
				LEAD	14.6	mg/kg		Y Y P							A141-17	16:12
				MAGNESIUM	635	mg/kg		Y Y P							A141-17	13:29
				MANGANESE	299	mg/kg		Y Y P							A141-17	13:29
				NICKEL	8.65	mg/kg		Y Y P							A141-17	13:29
				POTASSIUM	635	mg/kg		Y Y P							A141-17	13:29
				SELENIUM	1.17	mg/kg	U	N Y U	UJ		08A				A141-17	16:12
				SILVER	2.35	mg/kg	U	N Y U	U						A141-17	13:29
				SODIUM	39.4	mg/kg	J	Y Y P	J		15				A141-17	13:29
				THALLIUM	2.35	mg/kg	U	N Y U	U						A141-17	16:12
				VANADIUM	34	mg/kg		Y Y P							A141-17	13:29
				ZINC	29.1	mg/kg		Y Y P	J		13				A141-17	13:29
QG0018	SW7471A	TOTAL	N 0 1	MERCURY	.0357	mg/kg	J	Y Y P	J		15				A141-17	15:21
	SW6010B	SW3050	N 0 1	ALUMINUM	20000	mg/kg		Y Y P							A141-18	13:34
				ANTIMONY	12	mg/kg	U	N Y U	UJ		08A				A141-18	13:34
				ARSENIC	7.51	mg/kg		Y Y P	J		08A				A141-18	16:17
				BARIUM	50.8	mg/kg		Y Y P							A141-18	13:34
				BERYLLIUM	.577	mg/kg	J	Y Y P	J		15				A141-18	13:34
				CADMIUM	1.2	mg/kg	U	N Y U	U						A141-18	13:34
				CALCIUM	49.9	mg/kg	J	Y Y F	B		06B 15				A141-18	13:34
				CHROMIUM	22.6	mg/kg		Y Y P							A141-18	13:34
				COBALT	2.71	mg/kg		Y Y P							A141-18	13:34
				COPPER	14.3	mg/kg		Y Y P							A141-18	13:34
				IRON	28200	mg/kg		Y Y P							A141-18	13:34
				LEAD	10.1	mg/kg		Y Y P							A141-18	16:17
				MAGNESIUM	617	mg/kg		Y Y P							A141-18	13:34
				MANGANESE	67.7	mg/kg		Y Y P							A141-18	13:34
				NICKEL	7.4	mg/kg		Y Y P							A141-18	13:34
				POTASSIUM	1110	mg/kg		Y Y P							A141-18	13:34
				SELENIUM	.906	mg/kg	J	Y Y P	J		08A 15				A141-18	16:17
				SILVER	2.41	mg/kg	U	N Y U	U						A141-18	13:34
				SODIUM	36.1	mg/kg	J	Y Y P	J		15				A141-18	13:34
				THALLIUM	2.41	mg/kg	U	N Y U	U						A141-18	16:17
				VANADIUM	41.5	mg/kg		Y Y P							A141-18	13:34
				ZINC	25.8	mg/kg		Y Y P	J		13				A141-18	13:34
	SW7471A	TOTAL	N 0 1	MERCURY	.12	mg/kg	U	N Y U	U						A141-18	15:23

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0019	SW6010B	SW3050	N 0 1	ALUMINUM	20800	mg/kg		Y Y P							A141-19	13:38
				ANTIMONY	11.8	mg/kg	U	N Y U	UJ		08A				A141-19	13:38
				ARSENIC	8	mg/kg		Y Y P	J		08A				A141-19	16:23
				BARIUM	58.1	mg/kg		Y Y P							A141-19	13:38
				BERYLLIUM	.689	mg/kg	J	Y Y P	J		15				A141-19	13:38
				CADMIUM	1.18	mg/kg	U	N Y U	U						A141-19	13:38
				CALCIUM	180	mg/kg		Y Y P							A141-19	13:38
				CHROMIUM	12.5	mg/kg		Y Y P							A141-19	13:38
				COBALT	8.97	mg/kg		Y Y P							A141-19	13:38
				COPPER	14.6	mg/kg		Y Y P							A141-19	13:38
				IRON	26700	mg/kg		Y Y P							A141-19	13:38
				LEAD	30.3	mg/kg		Y Y P							A141-19	16:23
				MAGNESIUM	679	mg/kg		Y Y P							A141-19	13:38
				MANGANESE	992	mg/kg		Y Y P							A141-19	13:38
				NICKEL	11.9	mg/kg		Y Y P							A141-19	13:38
				POTASSIUM	564	mg/kg	J	Y Y P	J		15				A141-19	13:38
				SELENIUM	1.18	mg/kg	U	N Y U	UJ		08A				A141-19	16:23
				SILVER	2.36	mg/kg	U	N Y U	U						A141-19	13:38
				SODIUM	39.6	mg/kg	J	Y Y P	J		15				A141-19	13:38
				THALLIUM	2.36	mg/kg	U	N Y U	U						A141-19	16:23
				VANADIUM	36.8	mg/kg		Y Y P							A141-19	13:38
				ZINC	29.1	mg/kg		Y Y P	J		13				A141-19	13:38
QG0020	SW7471A	TOTAL	N 0 1	MERCURY	.0486	mg/kg	J	Y Y P	J		15				A141-19	15:25
	SW6010B	SW3050	N 0 1	ALUMINUM	14800	mg/kg		Y Y P	J		17				A141-20	12:37
				ANTIMONY	12	mg/kg	U	N Y U	UJ		08A				A141-20	12:37
				ARSENIC	4.86	mg/kg		Y Y P	J		08A	17			A141-20	15:19
				BARIUM	32.2	mg/kg		Y Y P	J		17				A141-20	12:37
				BERYLLIUM	1.2	mg/kg	U	N Y U	U						A141-20	12:37
				CADMIUM	1.2	mg/kg	U	N Y U	U						A141-20	12:37
				CALCIUM	61.4	mg/kg	J	Y Y F	B		06B	15			A141-20	12:37
				CHROMIUM	9.56	mg/kg		Y Y P	J		17				A141-20	12:37
				COBALT	6.81	mg/kg		Y Y P							A141-20	12:37
				COPPER	8.5	mg/kg		Y Y P	J		17				A141-20	12:37
				IRON	21700	mg/kg		Y Y P							A141-20	12:37
				LEAD	24.3	mg/kg		Y Y P							A141-20	15:19
				MAGNESIUM	328	mg/kg		Y Y P	J		17				A141-20	12:37
				MANGANESE	787	mg/kg		Y Y P							A141-20	12:37
				NICKEL	5.34	mg/kg		Y Y P	J		17				A141-20	12:37
				POTASSIUM	393	mg/kg	J	Y Y P	J		15	17			A141-20	12:37
				SELENIUM	1.2	mg/kg	U	N Y U	UJ		08A				A141-20	15:19

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0020	SW6010B	SW3050	N 0 1	SILVER	2.41	mg/kg	U	N Y U	U						A141-20	12:37
				SODIUM	34.6	mg/kg	J	Y Y P	J		15				A141-20	12:37
				THALLIUM	2.41	mg/kg	U	N Y U	U						A141-20	15:19
				VANADIUM	32.6	mg/kg		Y Y P							A141-20	12:37
				ZINC	16	mg/kg		Y Y P	J		13	17			A141-20	12:37
QG0021	SW7471A	TOTAL	N 0 1	MERCURY	.0654	mg/kg	J	Y Y P	J		15				A141-20	14:07
	SW6010B	SW3050	N 0 1	ALUMINUM	31300	mg/kg		Y Y	J		17				A141-21	13:43
				ANTIMONY	12	mg/kg	U	N Y	UJ		08A				A141-21	13:43
				ARSENIC	10.8	mg/kg		Y Y	J		08A	17			A141-21	16:28
				BARIUM	57.8	mg/kg		Y Y	J		17				A141-21	13:43
				BERYLLIUM	.733	mg/kg	J	Y Y	J		15				A141-21	13:43
				CADMIUM	1.2	mg/kg	U	N Y	U						A141-21	13:43
				CALCIUM	102	mg/kg	J	Y Y	J		15				A141-21	13:43
				CHROMIUM	18.6	mg/kg		Y Y	J		17				A141-21	13:43
				COBALT	10.6	mg/kg		Y Y							A141-21	13:43
				COPPER	16.9	mg/kg		Y Y	J		17				A141-21	13:43
				IRON	31000	mg/kg		Y Y							A141-21	13:43
				LEAD	35.6	mg/kg		Y Y							A141-21	16:28
				MAGNESIUM	1040	mg/kg		Y Y	J		17				A141-21	13:43
				MANGANESE	1180	mg/kg		Y Y							A141-21	13:43
				NICKEL	16.4	mg/kg		Y Y	J		17				A141-21	13:43
				POTASSIUM	975	mg/kg		Y Y	J		15	17			A141-21	13:43
				SELENIUM	1.2	mg/kg	U	N Y	UJ		08A				A141-21	16:28
				SILVER	2.4	mg/kg	U	N Y	U						A141-21	13:43
				SODIUM	47.1	mg/kg	J	Y Y	J		15				A141-21	13:43
				THALLIUM	2.4	mg/kg	U	N Y	U						A141-21	16:28
				VANADIUM	49	mg/kg		Y Y							A141-21	13:43
				ZINC	41.4	mg/kg		Y Y	J		13	17			A141-21	13:43
	SW7471A	TOTAL	N 0 1	MERCURY	.0629	mg/kg	J	Y Y	J		15				A141-21	18:03
QG0001	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U						A141-01	21:01
				1,3-DNB	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2,4,6-TNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2,4-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2,6-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U						A141-01	21:01
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U						A141-01	21:01
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U						A141-01	21:01
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U						A141-01	21:01
				HMX	.4	mg/kg	U	N Y U	U						A141-01	21:01

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												1	2	3	4		
IASPOW-01																	
QG0001	SW8330	METHOD	N 0 1	NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-01	21:01
				RDX	.4	mg/kg	U	N	Y	U	U					A141-01	21:01
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-01	21:01
QG0002	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				HMX	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				RDX	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-02	21:40
QG0003	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				HMX	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				RDX	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-03	22:19
QG0004	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-04	22:57
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-04	22:57

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	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0004	SW8330	METHOD	N 0 1	4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-04	22:57	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-04	22:57	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-04	22:57	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-04	22:57	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-04	22:57	
QG0005	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-05	23:36	
QG0006	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-06	00:14	
QG0007	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0007	SW8330	METHOD	N 0 1	3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-07	00:53	
QG0008	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-08	01:31	
QG0009	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				1,3-DNB	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2,4,6-TNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2,4-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2,6-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				HMX	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				NITROBENZENE	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				RDX	.4	mg/kg	U	N	Y		U					A141-09	02:10	
				TETRYL	.4	mg/kg	U	N	Y		U					A141-09	02:10	
QG0010	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:										Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0010	SW8330	METHOD	N 0 1	2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-10	02:48	
QG0011	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-11	04:05	
QG0012	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				HMX	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				RDX	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-12	04:44	
QG0013	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-13	05:22	

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Sample Number:	Analytical/Extraction		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis
	Method:												Qlfr	Code:	1	2	3	4		Time:
IASPOW-01																				
QG0013	SW8330	METHOD	N	0	1	2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						HMX	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						RDX	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-13	05:22
QG0014	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						1,3-DNB	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						HMX	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						RDX	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-14	06:01
QG0015	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						1,3-DNB	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						HMX	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						RDX	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-15	06:39
QG0016	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-16	07:18	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0016	SW8330	METHOD	N 0 1	1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				HMX	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				RDX	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-16	07:18
QG0017	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				HMX	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				RDX	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
				TETRYL	.4	mg/kg	U	N	Y	U	U					A141-17	07:57
QG0018	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				HMX	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-18	08:35
				RDX	.4	mg/kg	U	N	Y	U	U					A141-18	08:35

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Sample Number:	Analytical/Extraction		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:												Qlfr	Code:	1	2	3	4		
IASPOW-01																				
QG0018	SW8330	METHOD	N	0	1	TETRYL	.4	mg/kg	U	N	Y	U	U						A141-18	08:35
QG0019	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						1,3-DNB	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						HMX	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						RDX	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-19	09:14
QG0020	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						1,3-DNB	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						2,4-DNT	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						HMX	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						RDX	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
						TETRYL	.4	mg/kg	U	N	Y	U	U						A141-20	09:52
QG0021	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						1,3-DNB	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						2,4,6-TNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						2,4-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						2,6-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						2-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						3-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						4-NITROTOLUENE	.4	mg/kg	U	N	Y		U					A141-21	00:52	
						HMX	.4	mg/kg	U	N	Y		U					A141-21	00:52	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8330	METHOD	N 0 1	NITROBENZENE	.4	mg/kg	U	N	Y		U					A141-21	00:52
				RDX	.4	mg/kg	U	N	Y		U					A141-21	00:52
				TETRYL	.4	mg/kg	U	N	Y		U					A141-21	00:52
QG0007	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				BOLSTAR	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				CHLORPYRIFOS	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				COUMAPHOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				DEMETON (TOTAL)	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				DIAZINON	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				DICHLORVOS	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				DIMETHOATE	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				DISULFOTON	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				ETHOPROP	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				FAMPHUR	.077	mg/kg	U	N	Y	U	UJ		05B			A141-07	06:44
				FENSULFOTHION	.077	mg/kg	U	N	Y	U	U					A141-07	06:44
				FENTHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				MALATHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				MERPHOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				METHYL PARATHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				MEVINPHOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				NALED	.038	mg/kg	U	N	Y	U	UJ		05B	11A		A141-07	06:44
				PARATHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				PHORATE	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				RONNEL	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				STIROPPOS	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				SULFOTEPP	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				THIONAZIN	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				TOKUTHION	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
				TRICHLORONATE	.038	mg/kg	U	N	Y	U	U					A141-07	06:44
QG0008	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				BOLSTAR	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				CHLORPYRIFOS	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				COUMAPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				DEMETON (TOTAL)	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				DIAZINON	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				DICHLORVOS	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				DIMETHOATE	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				DISULFOTON	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				ETHOPROP	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				FAMPHUR	.082	mg/kg	U	N	Y	U	UJ		05B			A141-08	07:19

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0008	SW8141A	SW3545	N 0 1	FENSULFOTHION	.082	mg/kg	U	N	Y	U	U					A141-08	07:19
				FENTHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				MALATHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				MERPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				METHYL PARATHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				MEVINPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				NALED	.04	mg/kg	U	N	Y	U	UJ	05B	11A			A141-08	07:19
				PARATHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				PHORATE	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				RONNEL	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				STIROPHOS	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				SULFOTEPP	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				THIONAZIN	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				TOKUTHION	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
				TRICHLORONATE	.04	mg/kg	U	N	Y	U	U					A141-08	07:19
QG0009	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.039	mg/kg	U	N	Y		U					A141-09	11:03
				BOLSTAR	.039	mg/kg	U	N	Y		U					A141-09	11:03
				CHLORPYRIFOS	.08	mg/kg	U	N	Y		U					A141-09	11:03
				COUMAPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				DEMETON (TOTAL)	.039	mg/kg	U	N	Y		U					A141-09	11:03
				DIAZINON	.039	mg/kg	U	N	Y		U					A141-09	11:03
				DICHLORVOS	.08	mg/kg	U	N	Y		U					A141-09	11:03
				DIMETHOATE	.08	mg/kg	U	N	Y		U					A141-09	11:03
				DISULFOTON	.039	mg/kg	U	N	Y		U					A141-09	11:03
				ETHOPROP	.039	mg/kg	U	N	Y		U					A141-09	11:03
				FAMPHUR	.08	mg/kg	U	N	Y		UJ	05B				A141-09	11:03
				FENSULFOTHION	.08	mg/kg	U	N	Y		U					A141-09	11:03
				FENTHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				MALATHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				MERPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				METHYL PARATHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				MEVINPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				NALED	.039	mg/kg	U	N	Y		UJ	05B	11A			A141-09	11:03
				PARATHION	.039	mg/kg	U	N	Y		U					A141-09	11:03
				PHORATE	.039	mg/kg	U	N	Y		U					A141-09	11:03
				RONNEL	.039	mg/kg	U	N	Y		U					A141-09	11:03
				STIROPHOS	.039	mg/kg	U	N	Y		U					A141-09	11:03
				SULFOTEPP	.039	mg/kg	U	N	Y		U					A141-09	11:03
				THIONAZIN	.039	mg/kg	U	N	Y		U					A141-09	11:03
				TOKUTHION	.039	mg/kg	U	N	Y		U					A141-09	11:03

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
												Qlfr	Code:	1	2	3	4		
IASPOW-01																			
QG0009	SW8141A	SW3545	N	0	1	TRICHLORONATE	.039	mg/kg	U	N	Y	U					A141-09	11:03	
QG0019	SW8141A	SW3545	N	0	1	AZINPHOS-METHYL	.039	mg/kg	U	N	Y	U	U				A141-19	11:38	
					BOLSTAR	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					CHLORPYRIFOS	.079	mg/kg	U	N	Y	U	U					A141-19	11:38	
					COUMAPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					DEMETON (TOTAL)	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					DIAZINON	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					DICHLORVOS	.079	mg/kg	U	N	Y	U	U					A141-19	11:38	
					DIMETHOATE	.079	mg/kg	U	N	Y	U	U					A141-19	11:38	
					DISULFOTON	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					ETHOPROP	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					FAMPHUR	.079	mg/kg	U	N	Y	U	UJ		05B			A141-19	11:38	
					FENSULFOTHION	.079	mg/kg	U	N	Y	U	U					A141-19	11:38	
					FENTHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					MALATHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					MERPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					METHYL PARATHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					MEVINPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					NALED	.039	mg/kg	U	N	Y	U	UJ		05B	11A		A141-19	11:38	
					PARATHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					PHORATE	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					RONNEL	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					STIROPHOS	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					SULFOTEPP	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					THIONAZIN	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					TOKUTHION	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
					TRICHLORONATE	.039	mg/kg	U	N	Y	U	U					A141-19	11:38	
QG0020	SW8141A	SW3545	N	0	1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y	U	U				A141-20	12:13	
					BOLSTAR	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
					CHLORPYRIFOS	.081	mg/kg	U	N	Y	U	U					A141-20	12:13	
					COUMAPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
					DEMETON (TOTAL)	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
					DIAZINON	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
					DICHLORVOS	.081	mg/kg	U	N	Y	U	U					A141-20	12:13	
					DIMETHOATE	.081	mg/kg	U	N	Y	U	U					A141-20	12:13	
					DISULFOTON	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
					ETHOPROP	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	
					FAMPHUR	.081	mg/kg	U	N	Y	U	UJ		05B			A141-20	12:13	
					FENSULFOTHION	.081	mg/kg	U	N	Y	U	U					A141-20	12:13	
					FENTHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0020	SW8141A	SW3545	N 0 1	MALATHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				MERPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				METHYL PARATHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				MEVINPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				NALED	.04	mg/kg	U	N	Y	U	UJ	05B	11A			A141-20	12:13
				PARATHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				PHORATE	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				RONNEL	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				STIROPHOS	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				SULFOTEPP	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				THIONAZIN	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				TOKUTHION	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
				TRICHLORONATE	.04	mg/kg	U	N	Y	U	U					A141-20	12:13
QG0021	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y		U					A141-21	15:08
				BOLSTAR	.04	mg/kg	U	N	Y		U					A141-21	15:08
				CHLORPYRIFOS	.08	mg/kg	U	N	Y		U					A141-21	15:08
				COUMAPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08
				DEMETON (TOTAL)	.04	mg/kg	U	N	Y		U					A141-21	15:08
				DIAZINON	.04	mg/kg	U	N	Y		U					A141-21	15:08
				DICHLORVOS	.08	mg/kg	U	N	Y		U					A141-21	15:08
				DIMETHOATE	.08	mg/kg	U	N	Y		U					A141-21	15:08
				DISULFOTON	.04	mg/kg	U	N	Y		U					A141-21	15:08
				ETHOPROP	.04	mg/kg	U	N	Y		U					A141-21	15:08
				FAMPHUR	.08	mg/kg	U	N	Y		UJ	05B				A141-21	15:08
				FENSULFOTHION	.08	mg/kg	U	N	Y		U					A141-21	15:08
				FENTHION	.04	mg/kg	U	N	Y		U					A141-21	15:08
				MALATHION	.04	mg/kg	U	N	Y		U					A141-21	15:08
				MERPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08
				METHYL PARATHION	.04	mg/kg	U	N	Y		U					A141-21	15:08
				MEVINPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08
				NALED	.04	mg/kg	U	N	Y		UJ	05B	11A			A141-21	15:08
				PARATHION	.04	mg/kg	U	N	Y		U					A141-21	15:08
				PHORATE	.04	mg/kg	U	N	Y		U					A141-21	15:08
				RONNEL	.04	mg/kg	U	N	Y		U					A141-21	15:08
				STIROPHOS	.04	mg/kg	U	N	Y		U					A141-21	15:08
				SULFOTEPP	.04	mg/kg	U	N	Y		U					A141-21	15:08
				THIONAZIN	.04	mg/kg	U	N	Y		U					A141-21	15:08
				TOKUTHION	.04	mg/kg	U	N	Y		U					A141-21	15:08
				TRICHLORONATE	.04	mg/kg	U	N	Y		U					A141-21	15:08
QG0007	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0007	SW8270C	SW3550	N 0 1	1,2-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				1,3-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				1,4-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2,4,5-TRICHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2,4,6-TRICHLOROPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				2,4-DICHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2,4-DIMETHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2,4-DINITROPHENOL	.73	mg/kg	U	N	Y	U	UJ		05B			A141-07	02:38
				2,4-DINITROTOLUENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2,6-DINITROTOLUENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2-CHLORONAPHTHALENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2-CHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2-METHYLNAPHTHALENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2-METHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				2-NITROANILINE	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				2-NITROPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				3,3'-DICHLOROBENZIDINE	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				3-NITROANILINE	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				4,6-DINITRO-2-METHYLPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				4-BROMOPHENYL-PHENYL ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				4-CHLORO-3-METHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				4-CHLOROANILINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				4-CHLOROPHENYL-PHENYL ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				4-METHYLPHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				4-NITROANILINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				4-NITROPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				ACENAPHTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				ACENAPHTHYLENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				ANTHRACENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BENZO(A)ANTHRACENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BENZO(A)PYRENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BENZO(B)FLUORANTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BENZO(G,H,I)PERYLENE	.38	mg/kg	U	N	Y	U	UJ		05B			A141-07	02:38
				BENZO(K)FLUORANTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BIS(2-CHLOROETHOXY)METHANE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BIS(2-CHLOROETHYL)ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BIS(2-CHLOROISOPROPYL)ETHER	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BIS(2-ETHYLHEXYL)PHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				BUTYLBENZYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				CARBAZOLE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0007	SW8270C	SW3550	N 0 1	CHRYSENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DI-N-BUTYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DI-N-OCTYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DIBENZO(A,H)ANTHRACENE	.38	mg/kg	U	N	Y	U	UJ		05B			A141-07	02:38
				DIBENZOFURAN	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DIETHYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				DIMETHYLPHTHALATE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				FLUORANTHENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				FLUORENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROBUTADIENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROCYCLOPENTADIENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				HEXACHLOROETHANE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				INDENO(1,2,3-CD)PYRENE	.38	mg/kg	U	N	Y	U	UJ		05B			A141-07	02:38
				ISOPHORONE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				N-NITROSO-DI-N-PROPYLAMINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				N-NITROSODIPHENYLAMINE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				NAPHTHALENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				NITROBENZENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				PENTACHLOROPHENOL	.73	mg/kg	U	N	Y	U	U					A141-07	02:38
				PHENANTHRENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				PHENOL	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
				PYRENE	.38	mg/kg	U	N	Y	U	U					A141-07	02:38
QG0008	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4,6-TRICHLOROPHENOL	.77	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,4-DINITROPHENOL	.77	mg/kg	U	N	Y	U	UJ		05B			A141-08	03:16
				2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-CHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-NITROANILINE	.77	mg/kg	U	N	Y	U	U					A141-08	03:16
				2-NITROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
											Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0008	SW8270C	SW3550	N 0 I	3,3'-DICHLOROBENZIDINE	.77	mg/kg	U	N	Y	U	U					A141-08	03:16	
				3-NITROANILINE	.77	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4,6-DINITRO-2-METHYLPHENOL	.77	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4-CHLOROANILINE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4-NITROANILINE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				4-NITROPHENOL	.77	mg/kg	U	N	Y	U	U					A141-08	03:16	
				ACENAPHTHENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				ANTHRACENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-08	03:16	
				BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				CARBAZOLE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				CHRYSENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-08	03:16	
				DIBENZOFURAN	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				FLUORENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-08	03:16	
				ISOPHORONE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0008	SW8270C	SW3550	N 0 1	N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				NAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				PENTACHLOROPHENOL	.77	mg/kg	U	N	Y	U	U					A141-08	03:16
				PHENANTHRENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				PHENOL	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
				PYRENE	.4	mg/kg	U	N	Y	U	U					A141-08	03:16
QG0009	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				1,2-DICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				1,3-DICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				1,4-DICHLOROBENZENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4,5-TRICHLOROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4,6-TRICHLOROPHENOL	.75	mg/kg	U	N	Y		U					A141-09	03:54
				2,4-DICHLOROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4-DIMETHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,4-DINITROPHENOL	.75	mg/kg	U	N	Y		UJ		05B			A141-09	03:54
				2,4-DINITROTOLUENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2,6-DINITROTOLUENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-CHLORONAPHTHALENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-CHLOROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-METHYLNAPHTHALENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-METHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				2-NITROANILINE	.75	mg/kg	U	N	Y		U					A141-09	03:54
				2-NITROPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				3,3'-DICHLOROBENZIDINE	.75	mg/kg	U	N	Y		U					A141-09	03:54
				3-NITROANILINE	.75	mg/kg	U	N	Y		U					A141-09	03:54
				4,6-DINITRO-2-METHYLPHENOL	.75	mg/kg	U	N	Y		U					A141-09	03:54
				4-BROMOPHENYL-PHENYL ETHER	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-CHLORO-3-METHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-CHLOROANILINE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-CHLOROPHENYL-PHENYL ETHER	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-METHYLPHENOL	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-NITROANILINE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				4-NITROPHENOL	.75	mg/kg	U	N	Y		U					A141-09	03:54
				ACENAPHTHENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				ACENAPHTHYLENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				ANTHRACENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				BENZO(A)ANTHRACENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				BENZO(A)PYRENE	.39	mg/kg	U	N	Y		U					A141-09	03:54
				BENZO(B)FLUORANTHENE	.39	mg/kg	U	N	Y		U					A141-09	03:54

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
												Qlfr	Code:	1	2	3	4		
IASPOW-01																			
QG0009	SW8270C	SW3550	N	0	1	BENZO(G,H,I)PERYLENE	.39	mg/kg	U	N	Y	UJ			05B		A141-09	03:54	
						BENZO(K)FLUORANTHENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						BIS(2-CHLOROETHOXY)METHANE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						BIS(2-CHLOROETHYL)ETHER	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						BIS(2-CHLOROISOPROPYL)ETHER	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						BIS(2-ETHYLHEXYL)PHTHALATE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						BUTYLBENZYLPHTHALATE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						CARBAZOLE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						CHRYSENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						DI-N-BUTYLPHTHALATE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						DI-N-OCTYLPHTHALATE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						DIBENZO(A,H)ANTHRACENE	.39	mg/kg	U	N	Y	UJ				05B	A141-09	03:54	
						DIBENZOFURAN	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						DIETHYLPHTHALATE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						DIMETHYLPHTHALATE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						FLUORANTHENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						FLUORENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						HEXACHLOROBENZENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						HEXACHLOROBUTADIENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						HEXACHLOROCYCLOPENTADIENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						HEXACHLOROETHANE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						INDENO(1,2,3-CD)PYRENE	.39	mg/kg	U	N	Y	UJ				05B	A141-09	03:54	
						ISOPHORONE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						N-NITROSO-DI-N-PROPYLAMINE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						N-NITROSODIPHENYLAMINE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						NAPHTHALENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						NITROBENZENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						PENTACHLOROPHENOL	.75	mg/kg	U	N	Y	U					A141-09	03:54	
						PHENANTHRENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						PHENOL	.39	mg/kg	U	N	Y	U					A141-09	03:54	
						PYRENE	.39	mg/kg	U	N	Y	U					A141-09	03:54	
QG0019	SW8270C	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U			A141-19	04:32		
						1,2-DICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U			A141-19	04:32		
						1,3-DICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U			A141-19	04:32		
						1,4-DICHLOROBENZENE	.39	mg/kg	U	N	Y	U	U			A141-19	04:32		
						2,4,5-TRICHLOROPHENOL	.39	mg/kg	U	N	Y	U	U			A141-19	04:32		
						2,4,6-TRICHLOROPHENOL	.74	mg/kg	U	N	Y	U	U			A141-19	04:32		
						2,4-DICHLOROPHENOL	.39	mg/kg	U	N	Y	U	U			A141-19	04:32		
						2,4-DIMETHYLPHENOL	.39	mg/kg	U	N	Y	U	U			A141-19	04:32		
						2,4-DINITROPHENOL	.74	mg/kg	U	N	Y	U	UJ			05B	A141-19	04:32	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0019	SW8270C	SW3550	N 0 1	2,4-DINITROTOLUENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				2,6-DINITROTOLUENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				2-CHLORONAPHTHALENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				2-CHLOROPHENOL	.39	mg/kg	U	N Y U	U						A141-19	04:32
				2-METHYLNAPHTHALENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				2-METHYLPHENOL	.39	mg/kg	U	N Y U	U						A141-19	04:32
				2-NITROANILINE	.74	mg/kg	U	N Y U	U						A141-19	04:32
				2-NITROPHENOL	.39	mg/kg	U	N Y U	U						A141-19	04:32
				3,3'-DICHLOROBENZIDINE	.74	mg/kg	U	N Y U	U						A141-19	04:32
				3-NITROANILINE	.74	mg/kg	U	N Y U	U						A141-19	04:32
				4,6-DINITRO-2-METHYLPHENOL	.74	mg/kg	U	N Y U	U						A141-19	04:32
				4-BROMOPHENYL-PHENYL ETHER	.39	mg/kg	U	N Y U	U						A141-19	04:32
				4-CHLORO-3-METHYLPHENOL	.39	mg/kg	U	N Y U	U						A141-19	04:32
				4-CHLOROANILINE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				4-CHLOROPHENYL-PHENYL ETHER	.39	mg/kg	U	N Y U	U						A141-19	04:32
				4-METHYLPHENOL	.39	mg/kg	U	N Y U	U						A141-19	04:32
				4-NITROANILINE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				4-NITROPHENOL	.74	mg/kg	U	N Y U	U						A141-19	04:32
				ACENAPHTHENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				ACENAPHTHYLENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				ANTHRACENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BENZO(A)ANTHRACENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BENZO(A)PYRENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BENZO(B)FLUORANTHENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BENZO(G,H,I)PERYLENE	.39	mg/kg	U	N Y U	UJ	05B					A141-19	04:32
				BENZO(K)FLUORANTHENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BIS(2-CHLOROETHOXY)METHANE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BIS(2-CHLOROETHYL)ETHER	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BIS(2-CHLOROISOPROPYL)ETHER	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BIS(2-ETHYLHEXYL)PHTHALATE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				BUTYLBENZYLPHTHALATE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				CARBAZOLE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				CHRYSENE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				DI-N-BUTYLPHTHALATE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				DI-N-OCTYLPHTHALATE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				DIBENZO(A,H)ANTHRACENE	.39	mg/kg	U	N Y U	UJ	05B					A141-19	04:32
				DIBENZOFURAN	.39	mg/kg	U	N Y U	U						A141-19	04:32
				DIETHYLPHTHALATE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				DIMETHYLPHTHALATE	.39	mg/kg	U	N Y U	U						A141-19	04:32
				FLUORANTHENE	.39	mg/kg	U	N Y U	U						A141-19	04:32

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0019	SW8270C	SW3550	N 0 1	FLUORENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROBUTADIENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROCYCLOPENTADIENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				HEXACHLOROETHANE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				INDENO(1,2,3-CD)PYRENE	.39	mg/kg	U	N	Y	U	UJ			05B		A141-19	04:32
				ISOPHORONE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				N-NITROSO-DI-N-PROPYLAMINE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				N-NITROSODIPHENYLAMINE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				NAPHTHALENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				NITROBENZENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				PENTACHLOROPHENOL	.74	mg/kg	U	N	Y	U	U					A141-19	04:32
				PHENANTHRENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				PHENOL	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
				PYRENE	.39	mg/kg	U	N	Y	U	U					A141-19	04:32
QG0020	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4,6-TRICHLOROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DINITROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-CHLOROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				2-NITROANILINE	.76	mg/kg	U	N	Y	U	UJ			05B		A141-20	19:00
				2-NITROPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				3,3'-DICHLOROBENZIDINE	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				3-NITROANILINE	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				4,6-DINITRO-2-METHYLPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-CHLOROANILINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0020	SW8270C	SW3550	N 0 1	4-NITROANILINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				4-NITROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				ACENAPHTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				ANTHRACENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-20	19:00
				BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				CARBAZOLE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				CHRYSENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-20	19:00
				DIBENZOFURAN	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				FLUORENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	U	UJ		05B			A141-20	19:00
				ISOPHORONE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				NAPHTHALENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				PENTACHLOROPHENOL	.76	mg/kg	U	N	Y	U	U					A141-20	19:00
				PHENANTHRENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				PHENOL	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
				PYRENE	.4	mg/kg	U	N	Y	U	U					A141-20	19:00
QG0021	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y		U					A141-21	19:38

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8270C	SW3550	N 0 1	1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4,6-TRICHLOROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DINITROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-CHLOROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-METHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				2-NITROANILINE	.76	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				2-NITROPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				3,3'-DICHLOROBENZIDINE	.76	mg/kg	U	N	Y	U						A141-21	19:38
				3-NITROANILINE	.76	mg/kg	U	N	Y	U						A141-21	19:38
				4,6-DINITRO-2-METHYLPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-CHLOROANILINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-METHYLPHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-NITROANILINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				4-NITROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				ACENAPHTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				ANTHRACENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				CARBAZOLE	.4	mg/kg	U	N	Y	U						A141-21	19:38

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8270C	SW3550	N 0 1	CHRYSENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				DIBENZOFURAN	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				FLUORANTHENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				FLUORENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	UJ		05B				A141-21	19:38
				ISOPHORONE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				NAPHTHALENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				NITROBENZENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				PENTACHLOROPHENOL	.76	mg/kg	U	N	Y	U						A141-21	19:38
				PHENANTHRENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
				PHENOL	.4	mg/kg	U	N	Y	U						A141-21	19:38
				PYRENE	.4	mg/kg	U	N	Y	U						A141-21	19:38
QG0007	SW8260B	SW5035	N 0 .77	1,1,1,2-TETRACHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1,1-TRICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1,2,2-TETRACHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1,2-TRICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1-DICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1-DICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,1-DICHLOROPROPENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,3-TRICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,3-TRICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,4-TRICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2,4-TRIMETHYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DIBROMO-3-CHLOROPROPANE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DIBROMOETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DICHLOROETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,2-DICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55
				1,3,5-TRIMETHYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0007	SW8260B	SW5035	N 0 .77	1,3-DICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				1,3-DICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				1,4-DICHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				2,2-DICHLOROPROPANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				2-BUTANONE	.018	mg/kg	U	N	Y	U	U					A141-07	14:55	
				2-CHLOROTOLUENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				2-HEXANONE	.018	mg/kg	U	N	Y	U	U					A141-07	14:55	
				4-CHLOROTOLUENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				4-METHYL-2-PENTANONE	.018	mg/kg	U	N	Y	U	U					A141-07	14:55	
				ACETONE	.18	mg/kg		Y	Y	P	J		04A			A141-07	14:55	
				BENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				BROMOBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				BROMOCHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				BROMODICHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				BROMOFORM	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				BROMOMETHANE	.0044	mg/kg	U	N	Y	U	R		04A	05A		A141-07	14:55	
				CARBON DISULFIDE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				CARBON TETRACHLORIDE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				CHLOROBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				CHLOROETHANE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55	
				CHLOROFORM	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				CHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				CIS-1,2-DICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				CIS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				DIBROMOCHLOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				DIBROMOMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				DICHLORODIFLUOROMETHANE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55	
				ETHYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				HEXACHLOROBUTADIENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				ISOPROPYL BENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				M/P-XYLENES	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55	
				METHYLENE CHLORIDE	.003	mg/kg	J	Y	Y	F	B		06C	15		A141-07	14:55	
				N-BUTYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				N-PROPYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				NAPHTHALENE	.0089	mg/kg	U	N	Y	U	U					A141-07	14:55	
				O-XYLENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				P-ISOPROPYLTOLUENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				SEC-BUTYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				STYRENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	
				TERT-BUTYLBENZENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55	

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis	
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		Time:	
IASPOW-01																			
QG0007	SW8260B	SW5035	N 0 .77	TETRACHLOROETHENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55		
				TOLUENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55		
				TRANS-1,2-DICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55		
				TRANS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55		
				TRICHLOROETHENE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55		
				TRICHLOROFLUOROMETHANE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55		
				VINYL CHLORIDE	.0044	mg/kg	U	N	Y	U	U					A141-07	14:55		
QG0008	SW8260B	SW5035	N 0 .82	1,1,1,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,1,1-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,1,2,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,1,2-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,1-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,1-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,1-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2,3-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2,3-TRICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2,4-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2,4-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2-DIBROMOETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,3,5-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,3-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,3-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				1,4-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				2,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				2-BUTANONE	.02	mg/kg	U	N	Y	U	U					A141-08	15:30		
				2-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				2-HEXANONE	.02	mg/kg	U	N	Y	U	U					A141-08	15:30		
				4-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-08	15:30		
				4-METHYL-2-PENTANONE	.02	mg/kg	U	N	Y	U	U					A141-08	15:30		
				ACETONE	.011	mg/kg	J	Y	Y	P	J				04A	15		A141-08	15:30
				BENZENE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
				BROMOBENZENE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
				BROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
				BROMODICHLOROMETHANE	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
				BROMOFORM	.005	mg/kg	U	N	Y	U	U							A141-08	15:30
				BROMOMETHANE	.005	mg/kg	U	N	Y	U	R				04A	05A		A141-08	15:30

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-01																
QG0008	SW8260B	SW5035	N 0 .82	CARBON DISULFIDE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				CARBON TETRACHLORIDE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				CHLOROBENZENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				CHLOROETHANE	.01	mg/kg	U	N Y U	U						A141-08	15:30
				CHLOROFORM	.005	mg/kg	U	N Y U	U						A141-08	15:30
				CHLOROMETHANE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				CIS-1,2-DICHLOROETHENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				CIS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				DIBROMOCHLOROMETHANE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				DIBROMOMETHANE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N Y U	U						A141-08	15:30
				ETHYLBENZENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				HEXACHLOROBUTADIENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				ISOPROPYL BENZENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				M/P-XYLENES	.01	mg/kg	U	N Y U	U						A141-08	15:30
				METHYLENE CHLORIDE	.0034	mg/kg	J	Y Y F	B		06C	15			A141-08	15:30
				N-BUTYLBENZENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				N-PROPYLBENZENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				NAPHTHALENE	.01	mg/kg	U	N Y U	U						A141-08	15:30
				O-XYLENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				P-ISOPROPYLTOLUENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				SEC-BUTYLBENZENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				STYRENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				TERT-BUTYLBENZENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				TETRACHLOROETHENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				TOLUENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				TRANS-1,2-DICHLOROETHENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				TRANS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				TRICHLOROETHENE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				TRICHLOROFLUOROMETHANE	.005	mg/kg	U	N Y U	U						A141-08	15:30
				VINYL CHLORIDE	.005	mg/kg	U	N Y U	U						A141-08	15:30
QG0009	SW8260B	SW5035	N 0 .85	1,1,1,2-TETRACHLOROETHANE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,1,1-TRICHLOROETHANE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,1,2,2-TETRACHLOROETHANE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,1,2-TRICHLOROETHANE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,1-DICHLOROETHANE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,1-DICHLOROETHENE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,1-DICHLOROPROPENE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,2,3-TRICHLOROBENZENE	.0051	mg/kg	U	N Y	U						A141-09	16:04
				1,2,3-TRICHLOROPROPANE	.0051	mg/kg	U	N Y	U						A141-09	16:04

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0009	SW8260B	SW5035	N 0 .85	1,2,4-TRICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2,4-TRIMETHYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DIBROMOETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DICHLOROETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,2-DICHLOROPROPANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,3,5-TRIMETHYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,3-DICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,3-DICHLOROPROPANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				1,4-DICHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				2,2-DICHLOROPROPANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				2-BUTANONE	.02	mg/kg	U	N	Y	U						A141-09	16:04
				2-CHLOROTOLUENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				2-HEXANONE	.02	mg/kg	U	N	Y	U						A141-09	16:04
				4-CHLOROTOLUENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				4-METHYL-2-PENTANONE	.02	mg/kg	U	N	Y	U						A141-09	16:04
				ACETONE	.012	mg/kg	J	Y	Y	J		04A	15			A141-09	16:04
				BENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOCHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMODICHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOFORM	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				BROMOMETHANE	.0051	mg/kg	U	N	Y	R		04A	05A			A141-09	16:04
				CARBON DISULFIDE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CARBON TETRACHLORIDE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROETHANE	.01	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROFORM	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CIS-1,2-DICHLOROETHENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				CIS-1,3-DICHLOROPROPENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				DIBROMOCHLOROMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				DIBROMOMETHANE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	U						A141-09	16:04
				ETHYLBENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				HEXACHLOROBUTADIENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				ISOPROPYL BENZENE	.0051	mg/kg	U	N	Y	U						A141-09	16:04
				M/P-XYLENES	.01	mg/kg	U	N	Y	U						A141-09	16:04
				METHYLENE CHLORIDE	.0038	mg/kg	J	Y	Y	F	B	06C	15			A141-09	16:04

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
												Qlfr	Code:	1	2	3	4		
IASPOW-01																			
QG0009	SW8260B	SW5035	N	0	.85	N-BUTYLBENZENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						N-PROPYLBENZENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						NAPHTHALENE	.01	mg/kg	U	N	Y	U					A141-09	16:04	
						O-XYLENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						P-ISOPROPYLTOLUENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						SEC-BUTYLBENZENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						STYRENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						TERT-BUTYLBENZENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						TETRACHLOROETHENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						TOLUENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						TRANS-1,2-DICHLOROETHENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						TRANS-1,3-DICHLOROPROPENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						TRICHLOROETHENE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						TRICHLOROFLUOROMETHANE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
						VINYL CHLORIDE	.0051	mg/kg	U	N	Y	U					A141-09	16:04	
QG0019	SW8260B	SW5035	N	0	.85	1,1,1,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U				A141-19	16:40	
						1,1,1-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,1,2,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,1,2-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,1-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,1-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,1-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2,3-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2,3-TRICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2,4-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2,4-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2-DIBROMOETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,3,5-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,3-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,3-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						1,4-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						2,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						2-BUTANONE	.02	mg/kg	U	N	Y	U	U					A141-19	16:40
						2-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40
						2-HEXANONE	.02	mg/kg	U	N	Y	U	U					A141-19	16:40
						4-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
											Qlfr	Code:	1	2	3	4		
IASPOW-01																		
QG0019	SW8260B	SW5035	N 0 .85	4-METHYL-2-PENTANONE	.02	mg/kg	U	N	Y	U	U					A141-19	16:40	
				ACETONE	.14	mg/kg		Y	Y	P	J		04A			A141-19	16:40	
				BENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				BROMOBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				BROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				BROMODICHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				BROMOFORM	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				BROMOMETHANE	.005	mg/kg	U	N	Y	U	R		04A	05A		A141-19	16:40	
				CARBON DISULFIDE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				CARBON TETRACHLORIDE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				CHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				CHLOROETHANE	.01	mg/kg	U	N	Y	U	U					A141-19	16:40	
				CHLOROFORM	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				CHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				CIS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				CIS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				DIBROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				DIBROMOMETHANE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	U	U					A141-19	16:40	
				ETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				HEXACHLOROBUTADIENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				ISOPROPYL BENZENE	.005	mg/kg	U	N	Y	U	U					A141-19	16:40	
				M/P-XYLENES	.01	mg/kg	U	N	Y	U	U					A141-19	16:40	
				METHYLENE CHLORIDE	.0039	mg/kg	J	Y	Y	F	B				06C	15	A141-19	16:40
				N-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				N-PROPYLBENZENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				NAPHTHALENE	.01	mg/kg	U	N	Y	U	U						A141-19	16:40
				O-XYLENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				P-ISOPROPYLTOLUENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				SEC-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				STYRENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				TERT-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				TETRACHLOROETHENE	.0012	mg/kg	J	Y	Y	P	J				15		A141-19	16:40
				TOLUENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				TRANS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				TRANS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
				TRICHLOROETHENE	.0019	mg/kg	J	Y	Y	P	J				15		A141-19	16:40
				TRICHLOROFLUOROMETHANE	.002	mg/kg	J	Y	Y	P	J				15		A141-19	16:40
				VINYL CHLORIDE	.005	mg/kg	U	N	Y	U	U						A141-19	16:40
QG0020	SW8260B	SW5035	N 0 .77	1,1,1,2-TETRACHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
										Qlfr	Code:	1	2	3	4		
IASPOW-01																	
QG0020	SW8260B	SW5035	N 0 .77	1,1,1-TRICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1,2,2-TETRACHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1,2-TRICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1-DICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1-DICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,1-DICHLOROPROPENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,3-TRICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,3-TRICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,4-TRICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2,4-TRIMETHYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DIBROMO-3-CHLOROPROPANE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DIBROMOETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DICHLOROETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,2-DICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,3,5-TRIMETHYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,3-DICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,3-DICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				1,4-DICHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				2,2-DICHLOROPROPANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				2-BUTANONE	.019	mg/kg	U	N	Y	U	U					A141-20	17:49
				2-CHLOROTOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				2-HEXANONE	.019	mg/kg	U	N	Y	U	U					A141-20	17:49
				4-CHLOROTOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				4-METHYL-2-PENTANONE	.019	mg/kg	U	N	Y	U	U					A141-20	17:49
				ACETONE	.011	mg/kg	J	Y	Y	P	J	04A	15	17		A141-20	17:49
				BENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOCHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMODICHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOFORM	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				BROMOMETHANE	.0046	mg/kg	U	N	Y	U	R	04A	05A			A141-20	17:49
				CARBON DISULFIDE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CARBON TETRACHLORIDE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROETHANE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROFORM	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CIS-1,2-DICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				CIS-1,3-DICHLOROPROPENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0020	SW8260B	SW5035	N 0 .77	DIBROMOCHLOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				DIBROMOMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				DICHLORODIFLUOROMETHANE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49
				ETHYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				HEXACHLOROBUTADIENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				ISOPROPYL BENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				M/P-XYLENES	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49
				METHYLENE CHLORIDE	.0031	mg/kg	J	Y	Y	F	B	06C	15			A141-20	17:49
				N-BUTYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				N-PROPYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				NAPHTHALENE	.0093	mg/kg	U	N	Y	U	U					A141-20	17:49
				O-XYLENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				P-ISOPROPYLTOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				SEC-BUTYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				STYRENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				TERT-BUTYLBENZENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				TETRACHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				TOLUENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				TRANS-1,2-DICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				TRANS-1,3-DICHLOROPROPENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				TRICHLOROETHENE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				TRICHLOROFLUOROMETHANE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
				VINYL CHLORIDE	.0046	mg/kg	U	N	Y	U	U					A141-20	17:49
QG0021	SW8260B	SW5035	N 0 .86	1,1,1,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,1,1-TRICHLOROETHANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,1,2,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,1,2-TRICHLOROETHANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,1-DICHLOROETHANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,1-DICHLOROETHENE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,1-DICHLOROPROPENE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2,3-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2,3-TRICHLOROPROPANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2,4-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2,4-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y		U					A141-21	17:15
				1,2-DIBROMOETHANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2-DICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2-DICHLOROETHANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y		U					A141-21	17:15
				1,3,5-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y		U					A141-21	17:15

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
										Qlfr	Code:	1	2	3	4		
IASPOW-01																	
QG0021	SW8260B	SW5035	N 0 .86	1,3-DICHLOROBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				1,3-DICHLOROPROPANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				1,4-DICHLOROBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				2,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				2-BUTANONE	.021	mg/kg	U	N	Y	U						A141-21	17:15
				2-CHLOROTOLUENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				2-HEXANONE	.021	mg/kg	U	N	Y	U						A141-21	17:15
				4-CHLOROTOLUENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				4-METHYL-2-PENTANONE	.021	mg/kg	U	N	Y	U						A141-21	17:15
				ACETONE	.031	mg/kg		Y	Y	J		04A	17			A141-21	17:15
				BENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				BROMOBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				BROMOCHLOROMETHANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				BROMODICHLOROMETHANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				BROMOFORM	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				BROMOMETHANE	.0052	mg/kg	U	N	Y	R		04A	05A			A141-21	17:15
				CARBON DISULFIDE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				CARBON TETRACHLORIDE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				CHLOROBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				CHLOROETHANE	.01	mg/kg	U	N	Y	U						A141-21	17:15
				CHLOROFORM	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				CHLOROMETHANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				CIS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				CIS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				DIBROMOCHLOROMETHANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				DIBROMOMETHANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	U						A141-21	17:15
				ETHYLBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				HEXACHLOROBUTADIENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				ISOPROPYL BENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				M/P-XYLENES	.01	mg/kg	U	N	Y	U						A141-21	17:15
				METHYLENE CHLORIDE	.0035	mg/kg	J	Y	Y	F	B	06C	15			A141-21	17:15
				N-BUTYLBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				N-PROPYLBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				NAPHTHALENE	.01	mg/kg	U	N	Y	U						A141-21	17:15
				O-XYLENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				P-ISOPROPYLTOLUENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				SEC-BUTYLBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				STYRENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				TERT-BUTYLBENZENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-01																	
QG0021	SW8260B	SW5035	N 0 .86	TETRACHLOROETHENE	.0011	mg/kg	J	Y	Y	J		15				A141-21	17:15
				TOLUENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				TRANS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				TRANS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				TRICHLOROETHENE	.0013	mg/kg	J	Y	Y	J		15				A141-21	17:15
				TRICHLOROFLUOROMETHANE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
				VINYL CHLORIDE	.0052	mg/kg	U	N	Y	U						A141-21	17:15
IASPOW-02																	
QG3002	SW8151A	METHOD	N 0 1	2,4,5-T	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				2,4,5-TP(SILVEX)	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				2,4-D	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				2,4-DB	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				DALAPON	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				DICAMBA	.0008	mg/L	U	N	Y	U	U					D182-02	19:47
				DICHLOROPROP	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				DINOSEB	.0004	mg/L	U	N	Y	U	U					D182-02	19:47
				MCPA	.2	mg/L	U	N	Y	U	U					D182-02	19:47
				MCPD	.2	mg/L	U	N	Y	U	U					D182-02	19:47
QG3003	SW8151A	METHOD	N 0 1	2,4,5-T	.0004	mg/L	U	N	Y	U	U					D182-03	21:11
				2,4,5-TP(SILVEX)	.0004	mg/L	U	N	Y	U	U					D182-03	21:11
				2,4-D	.0004	mg/L	U	N	Y	U	U					D182-03	21:11
				2,4-DB	.00028	mg/L	J	Y	Y	J		15				D182-03	21:11
				DALAPON	.0004	mg/L	U	N	Y	U	U					D182-03	21:11
				DICAMBA	.0008	mg/L	U	N	Y	U	U					D182-03	21:11
				DICHLOROPROP	.0004	mg/L	U	N	Y	U	U					D182-03	21:11
				DINOSEB	.00016	mg/L	J	Y	Y	J		15				D182-03	21:11
				MCPA	.2	mg/L	U	N	Y	U	U					D182-03	21:11
				MCPD	.2	mg/L	U	N	Y	U	U					D182-03	21:11
QG3002	SW8081A	SW3520	N 0 .96	4,4'-DDD	.00016	mg/L	J	Y	Y	P	J	05B	15	18		D182-02	22:15
				4,4'-DDE	.00019	mg/L	U	N	Y	U	U					D182-02	22:15
				4,4'-DDT	.00019	mg/L	U	N	Y	U	U					D182-02	22:15
				ALDRIN	.00008	mg/L	J	Y	Y	P	J	15	18			D182-02	22:15
				ALPHA-BHC	.000096	mg/L	U	N	Y	U	U					D182-02	22:15
				ALPHA-CHLORDANE	.00015	mg/L		Y	Y	P	J	17				D182-02	22:15
				BETA-BHC	.000069	mg/L	J	Y	Y	P	J	15	17	18		D182-02	22:15
				DELTA-BHC	.00003	mg/L	J	Y	Y	P	J	15				D182-02	22:15
				DIELDRIN	.00016	mg/L	J	Y	Y	P	J	15	17			D182-02	22:15
				ENDOSULFAN I	.000039	mg/L	J	Y	Y	P	J	15	18			D182-02	22:15
				ENDOSULFAN II	.00019	mg/L	U	N	Y	U	U					D182-02	22:15

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													Qlfr	Code:	1	2	3	4		
IASPOW-02																				
QG3002	SW8081A	SW3520	N	0	.96	ENDOSULFAN SULFATE	.00019	mg/L	U	N	Y	U	U						D182-02	22:15
						ENDRIN	.00022	mg/L		Y	Y	P						D182-02	22:15	
						ENDRIN ALDEHYDE	.00019	mg/L	U	N	Y	U	U					D182-02	22:15	
						ENDRIN KETONE	.00019	mg/L	U	N	Y	U	U					D182-02	22:15	
						GAMMA-BHC (LINDANE)	.000038	mg/L	J	Y	Y	P	J	15				D182-02	22:15	
						GAMMA-CHLORDANE	.000096	mg/L	U	N	Y	U	U					D182-02	22:15	
						HEPTACHLOR	.000096	mg/L	U	N	Y	U	U					D182-02	22:15	
						HEPTACHLOR EPOXIDE	.000034	mg/L	J	Y	Y	P	J	18	15			D182-02	22:15	
						METHOXYCHLOR	.00096	mg/L	U	N	Y	U	U					D182-02	22:15	
						TOXAPHENE	.0029	mg/L	U	N	Y	U	U					D182-02	22:15	
QG3003	SW8081A	SW3520	N	0	.95	4,4'-DDD	.00019	mg/L	U	N	Y		UJ		05B			D182-03	23:31	
						4,4'-DDE	.00019	mg/L	U	N	Y		U					D182-03	23:31	
						4,4'-DDT	.000093	mg/L	J	Y	Y		J	15	18			D182-03	23:31	
						ALDRIN	.000059	mg/L	J	Y	Y		J	15				D182-03	23:31	
						ALPHA-BHC	.000095	mg/L	U	N	Y		U					D182-03	23:31	
						ALPHA-CHLORDANE	.000078	mg/L	J	Y	Y		J	15	17			D182-03	23:31	
						BETA-BHC	.000029	mg/L	J	Y	Y		J	15	17	18		D182-03	23:31	
						DELTA-BHC	.000095	mg/L	U	N	Y		U					D182-03	23:31	
						DIELDRIN	.00011	mg/L	J	Y	Y		J	15	17			D182-03	23:31	
						ENDOSULFAN I	.00004	mg/L	J	Y	Y		J	15				D182-03	23:31	
						ENDOSULFAN II	.000012	mg/L	J	Y	Y		J	15				D182-03	23:31	
						ENDOSULFAN SULFATE	.00019	mg/L	U	N	Y		U					D182-03	23:31	
						ENDRIN	.00019	mg/L	U	N	Y		U					D182-03	23:31	
						ENDRIN ALDEHYDE	.00019	mg/L	U	N	Y		U					D182-03	23:31	
						ENDRIN KETONE	.00019	mg/L	U	N	Y		U					D182-03	23:31	
						GAMMA-BHC (LINDANE)	.000049	mg/L	J	Y	Y		J	15	18			D182-03	23:31	
						GAMMA-CHLORDANE	.000095	mg/L	U	N	Y		U					D182-03	23:31	
						HEPTACHLOR	.000075	mg/L	J	Y	Y		J	15	08A			D182-03	23:31	
						HEPTACHLOR EPOXIDE	.00004	mg/L	J	Y	Y		J	18	15			D182-03	23:31	
						METHOXYCHLOR	.00095	mg/L	U	N	Y		U					D182-03	23:31	
TOXAPHENE	.0028	mg/L	U	N	Y		U					D182-03	23:31							
QG3001	SW6010B	SW3010	N	0	1	ALUMINUM	.316	mg/L		Y	Y	P						D182-01	10:41	
						ANTIMONY	.1	mg/L	U	N	Y	U	U					D182-01	10:41	
						ARSENIC	.00238	mg/L	J	Y	Y	F	B	06A	15			D182-01	12:58	
						BARIUM	.00777	mg/L	J	Y	Y	F	B	06C	15			D182-01	10:41	
						BERYLLIUM	.01	mg/L	U	N	Y	U	U					D182-01	10:41	
						CADMIUM	.01	mg/L	U	N	Y	U	U					D182-01	10:41	
						CALCIUM	4.99	mg/L		Y	Y	F	B	06C				D182-01	10:41	
						CHROMIUM	.02	mg/L	U	N	Y	U	U					D182-01	10:41	
						COBALT	.02	mg/L	U	N	Y	U	U					D182-01	10:41	

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											1	2	3	4		
IASPOW-02																
QG3001	SW6010B	SW3010	N 0 1	COPPER	.02	mg/L	U	N Y U	U						D182-01	10:41
				IRON	.673	mg/L	J	Y Y P	J		15				D182-01	10:41
				LEAD	.01	mg/L	U	N Y U	U						D182-01	12:58
				MAGNESIUM	1.61	mg/L		Y Y F	B		06C				D182-01	10:41
				MANGANESE	.0967	mg/L	J	Y Y P	J		15				D182-01	10:41
				NICKEL	.02	mg/L	U	N Y U	U						D182-01	10:41
				POTASSIUM	1.01	mg/L	J	Y Y F	B		06C	15			D182-01	10:41
				SELENIUM	.01	mg/L	U	N Y U	U						D182-01	12:58
				SILVER	.02	mg/L	U	N Y U	U						D182-01	10:41
				SODIUM	1.38	mg/L		Y Y F	B		06C				D182-01	10:41
				THALLIUM	.01	mg/L	U	N Y U	U						D182-01	12:58
				VANADIUM	.02	mg/L	U	N Y U	U						D182-01	10:41
				ZINC	.1	mg/L	U	N Y U	U						D182-01	10:41
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U	U						D182-01	12:11
QG3002	SW6010B	SW3010	N 0 1	ALUMINUM	.174	mg/L	J	Y Y P	J		15	17			D182-02	10:45
				ANTIMONY	.1	mg/L	U	N Y U	U						D182-02	10:45
				ARSENIC	.01	mg/L	U	N Y U	U						D182-02	13:09
				BARIUM	.0155	mg/L		Y Y P							D182-02	10:45
				BERYLLIUM	.01	mg/L	U	N Y U	U						D182-02	10:45
				CADMIUM	.01	mg/L	U	N Y U	U						D182-02	10:45
				CALCIUM	3.52	mg/L		Y Y F	B		06C				D182-02	10:45
				CHROMIUM	.02	mg/L	U	N Y U	U						D182-02	10:45
				COBALT	.0153	mg/L	J	Y Y P	J		15				D182-02	10:45
				COPPER	.02	mg/L	U	N Y U	U						D182-02	10:45
				IRON	.185	mg/L	J	Y Y P	J		15	17			D182-02	10:45
				LEAD	.01	mg/L	U	N Y U	U						D182-02	13:09
				MAGNESIUM	1.23	mg/L		Y Y F	B		06C				D182-02	10:45
				MANGANESE	.637	mg/L		Y Y P							D182-02	10:45
				NICKEL	.02	mg/L	U	N Y U	U						D182-02	10:45
				POTASSIUM	1.09	mg/L	J	Y Y F	B		06C	15			D182-02	10:45
				SELENIUM	.01	mg/L	U	N Y U	U						D182-02	13:09
				SILVER	.02	mg/L	U	N Y U	U						D182-02	10:45
				SODIUM	1.3	mg/L		Y Y F	B		06C				D182-02	10:45
				THALLIUM	.01	mg/L	U	N Y U	U						D182-02	13:09
				VANADIUM	.02	mg/L	U	N Y U	U						D182-02	10:45
				ZINC	.1	mg/L	U	N Y U	U						D182-02	10:45
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U	U						D182-02	12:15
QG3003	SW6010B	SW3010	N 0 1	ALUMINUM	1.33	mg/L		Y Y	J		17				D182-03	11:21
				ANTIMONY	.1	mg/L	U	N Y	U						D182-03	11:21
				ARSENIC	.00226	mg/L	J	Y Y F	B		06A	15			D182-03	13:04

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											1	2	3	4		
IASPOW-02																
QG3003	SW6010B	SW3010	N 0 1	BARIUM	.0165	mg/L		Y Y								D182-03 11:21
				BERYLLIUM	.01	mg/L	U	N Y		U						D182-03 11:21
				CADMIUM	.01	mg/L	U	N Y		U						D182-03 11:21
				CALCIUM	3.31	mg/L		Y Y F	B		06C					D182-03 11:21
				CHROMIUM	.02	mg/L	U	N Y		U						D182-03 11:21
				COBALT	.02	mg/L	U	N Y		U						D182-03 11:21
				COPPER	.02	mg/L	U	N Y		U						D182-03 11:21
				IRON	.878	mg/L	J	Y Y		J	15	17				D182-03 11:21
				LEAD	.0015	mg/L	J	Y Y		J	15					D182-03 13:04
				MAGNESIUM	1.21	mg/L		Y Y F	B		06C					D182-03 11:21
				MANGANESE	.578	mg/L		Y Y								D182-03 11:21
				NICKEL	.02	mg/L	U	N Y		U						D182-03 11:21
				POTASSIUM	.8	mg/L	J	Y Y F	B		06C	15				D182-03 11:21
				SELENIUM	.01	mg/L	U	N Y		U						D182-03 13:04
				SILVER	.02	mg/L	U	N Y		U						D182-03 11:21
				SODIUM	1.3	mg/L		Y Y F	B		06C					D182-03 11:21
				THALLIUM	.01	mg/L	U	N Y		U						D182-03 13:04
				VANADIUM	.02	mg/L	U	N Y		U						D182-03 11:21
				ZINC	.1	mg/L	U	N Y		U						D182-03 11:21
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y		U						D182-03 12:24
QG3001	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y U	U							D182-01 05:34
				1,3-DNB	.0004	mg/L	U	N Y U	U							D182-01 05:34
				2,4,6-TNT	.0004	mg/L	U	N Y U	U							D182-01 05:34
				2,4-DNT	.0004	mg/L	U	N Y U	U							D182-01 05:34
				2,6-DNT	.0004	mg/L	U	N Y U	U							D182-01 05:34
				2-AM-4,6-DNT	.0004	mg/L	U	N Y U	U							D182-01 05:34
				2-NITROTOLUENE	.0004	mg/L	U	N Y U	U							D182-01 05:34
				3-NITROTOLUENE	.0006	mg/L	U	N Y U	U							D182-01 05:34
				4-AM-2,6-DNT	.00045	mg/L		Y Y P								D182-01 05:34
				4-NITROTOLUENE	.0006	mg/L	U	N Y U	U							D182-01 05:34
				HMX	.0004	mg/L	U	N Y U	U							D182-01 05:34
				NITROBENZENE	.0004	mg/L	U	N Y U	U							D182-01 05:34
				RDX	.0004	mg/L	U	N Y U	UJ		05B					D182-01 05:34
				TETRYL	.0004	mg/L	U	N Y U	U							D182-01 05:34
QG3002	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y U	U							D182-02 06:12
				1,3-DNB	.0004	mg/L	U	N Y U	U							D182-02 06:12
				2,4,6-TNT	.0004	mg/L	U	N Y U	U							D182-02 06:12
				2,4-DNT	.0004	mg/L	U	N Y U	U							D182-02 06:12
				2,6-DNT	.0004	mg/L	U	N Y U	U							D182-02 06:12
				2-AM-4,6-DNT	.0004	mg/L	U	N Y U	U							D182-02 06:12

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-02																
QG3002	SW8330	METHOD	N 0 1	2-NITROTOLUENE	.0021	mg/L		Y Y P							D182-02	06:12
				3-NITROTOLUENE	.0006	mg/L	U	N Y U	U						D182-02	06:12
				4-AM-2,6-DNT	.0011	mg/L		Y Y P							D182-02	06:12
				4-NITROTOLUENE	.0006	mg/L	U	N Y U	U						D182-02	06:12
				HMX	.0004	mg/L	U	N Y U	U						D182-02	06:12
				NITROBENZENE	.0004	mg/L	U	N Y U	U						D182-02	06:12
				RDX	.0004	mg/L	U	N Y U	UJ		05B				D182-02	06:12
				TETRYL	.0004	mg/L	U	N Y U	U						D182-02	06:12
QG3003	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y	U						D182-03	08:08
				1,3-DNB	.0004	mg/L	U	N Y	U						D182-03	08:08
				2,4,6-TNT	.0004	mg/L	U	N Y	U						D182-03	08:08
				2,4-DNT	.0004	mg/L	U	N Y	U						D182-03	08:08
				2,6-DNT	.0004	mg/L	U	N Y	U						D182-03	08:08
				2-AM-4,6-DNT	.0004	mg/L	U	N Y	U						D182-03	08:08
				2-NITROTOLUENE	.0023	mg/L	P	Y Y							D182-03	08:08
				3-NITROTOLUENE	.0014	mg/L	P	Y Y							D182-03	08:08
				4-AM-2,6-DNT	.0022	mg/L	P	Y Y							D182-03	08:08
				4-NITROTOLUENE	.0006	mg/L	U	N Y	U						D182-03	08:08
				HMX	.0004	mg/L	U	N Y	U						D182-03	08:08
				NITROBENZENE	.0004	mg/L	U	N Y	U						D182-03	08:08
				RDX	.0004	mg/L	U	N Y	UJ		05B				D182-03	08:08
				TETRYL	.0004	mg/L	U	N Y	U						D182-03	08:08
QG3002	SW8141A	SW3520	N 0 .96	AZINPHOS-METHYL	.00096	mg/L	U	N Y U	UJ		05B				D182-02	17:59
				BOLSTAR	.00096	mg/L	U	N Y U	U						D182-02	17:59
				CHLORPYRIFOS	.00096	mg/L	U	N Y U	U						D182-02	17:59
				COUMAPHOS	.00096	mg/L	U	N Y U	UJ		05B				D182-02	17:59
				DEMETON (TOTAL)	.00096	mg/L	U	N Y U	UJ		08B	11A			D182-02	17:59
				DIAZINON	.00096	mg/L	U	N Y U	U						D182-02	17:59
				DICHLORVOS	.00096	mg/L	U	N Y U	U						D182-02	17:59
				DIMETHOATE	.00096	mg/L	U	N Y U	U						D182-02	17:59
				DISULFOTON	.00096	mg/L	U	N Y U	UJ		08B				D182-02	17:59
				ETHOPROP	.00096	mg/L	U	N Y U	UJ		08B				D182-02	17:59
				FAMPHUR	.00096	mg/L	U	N Y U	UJ		05B				D182-02	17:59
				FENSULFOTHION	.00096	mg/L	U	N Y U	U						D182-02	17:59
				FENTHION	.00096	mg/L	U	N Y U	U						D182-02	17:59
				MALATHION	.00096	mg/L	U	N Y U	U						D182-02	17:59
				MERPHOS	.00096	mg/L	U	N Y U	U						D182-02	17:59
				METHYL PARATHION	.00096	mg/L	U	N Y U	U						D182-02	17:59
				MEVINPHOS	.00096	mg/L	U	N Y U	U						D182-02	17:59
				NALED	.00096	mg/L	U	N Y U	U						D182-02	17:59

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3002	SW8141A	SW3520	N 0 .96	PARATHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				PHORATE	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				RONNEL	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				STIROPHOS	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				SULFOTEPP	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				THIONAZIN	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				TOKUTHION	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
				TRICHLORONATE	.00096	mg/L	U	N	Y	U	U					D182-02	17:59
QG3003	SW8141A	SW3520	N 0 .95	AZINPHOS-METHYL	.00095	mg/L	U	N	Y		UJ		05B			D182-03	20:26
				BOLSTAR	.00095	mg/L	U	N	Y		U					D182-03	20:26
				CHLORPYRIFOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
				COUMAPHOS	.00095	mg/L	U	N	Y		UJ		05B			D182-03	20:26
				DEMETON (TOTAL)	.00095	mg/L	U	N	Y		UJ		08B	11A		D182-03	20:26
				DIAZINON	.00095	mg/L	U	N	Y		U					D182-03	20:26
				DICHLORVOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
				DIMETHOATE	.00095	mg/L	U	N	Y		U					D182-03	20:26
				DISULFOTON	.00095	mg/L	U	N	Y		UJ		08B			D182-03	20:26
				ETHOPROP	.00095	mg/L	U	N	Y		UJ		08B			D182-03	20:26
				FAMPHUR	.00095	mg/L	U	N	Y		UJ		05B			D182-03	20:26
				FENSULFOTHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
				FENTHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
				MALATHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
				MERPHOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
				METHYL PARATHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
				MEVINPHOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
				NALED	.00095	mg/L	U	N	Y		U					D182-03	20:26
				PARATHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
				PHORATE	.00095	mg/L	U	N	Y		U					D182-03	20:26
				RONNEL	.00095	mg/L	U	N	Y		U					D182-03	20:26
				STIROPHOS	.00095	mg/L	U	N	Y		U					D182-03	20:26
				SULFOTEPP	.00095	mg/L	U	N	Y		U					D182-03	20:26
				THIONAZIN	.00095	mg/L	U	N	Y		U					D182-03	20:26
				TOKUTHION	.00095	mg/L	U	N	Y		U					D182-03	20:26
				TRICHLORONATE	.00095	mg/L	U	N	Y		U					D182-03	20:26
QG3002	SW8270C	SW3520	N 0 .94	1,2,4-TRICHLORO BENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				1,2-DICHLORO BENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				1,3-DICHLORO BENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				1,4-DICHLORO BENZENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2,4,5-TRICHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2,4,6-TRICHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3002	SW8270C	SW3520	N 0 .94	2,4-DICHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2,4-DIMETHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2,4-DINITROPHENOL	.019	mg/L	U	N	Y	U	UJ			05B		D182-02	18:52
				2,4-DINITROTOLUENE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				2,6-DINITROTOLUENE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				2-CHLORONAPHTHALENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-CHLOROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-METHYLNAPHTHALENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-METHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				2-NITROANILINE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				2-NITROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				3,3'-DICHLOROBENZIDINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				3-NITROANILINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4,6-DINITRO-2-METHYLPHENOL	.019	mg/L	U	N	Y	U	UJ			05B		D182-02	18:52
				4-BROMOPHENYL-PHENYL ETHER	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				4-CHLORO-3-METHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-CHLOROANILINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-CHLOROPHENYL-PHENYL ETHER	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-METHYLPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-NITROANILINE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				4-NITROPHENOL	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				ACENAPHTHENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				ACENAPHTHYLENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				ANTHRACENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(A)ANTHRACENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(A)PYRENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(B)FLUORANTHENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(G,H,I)PERYLENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BENZO(K)FLUORANTHENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-CHLOROETHOXY)METHANE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-CHLOROETHYL)ETHER	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-CHLOROISOPROPYL)ETHER	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				BIS(2-ETHYLHEXYL)PHTHALATE	.019	mg/L	U	N	Y	U	U					D182-02	18:52
				BUTYLBENZYLPHTHALATE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				CARBAZOLE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				CHRYSENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DI-N-BUTYLPHTHALATE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DI-N-OCTYLPHTHALATE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DIBENZO(A,H)ANTHRACENE	.0094	mg/L	U	N	Y	U	U					D182-02	18:52
				DIBENZOFURAN	.0094	mg/L	U	N	Y	U	U					D182-02	18:52

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-02																
QG3002	SW8270C	SW3520	N 0 .94	DIETHYLPHTHALATE	.019	mg/L	U	N Y U	U						D182-02	18:52
				DIMETHYLPHTHALATE	.019	mg/L	U	N Y U	U						D182-02	18:52
				FLUORANTHENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				FLUORENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				HEXACHLOROBENZENE	.019	mg/L	U	N Y U	U						D182-02	18:52
				HEXACHLOROBUTADIENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				HEXACHLOROCYCLOPENTADIENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				HEXACHLOROETHANE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				INDENO(1,2,3-CD)PYRENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				ISOPHORONE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				N-NITROSO-DI-N-PROPYLAMINE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				N-NITROSODIPHENYLAMINE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				NAPHTHALENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				NITROBENZENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
				PENTACHLOROPHENOL	.019	mg/L	U	N Y U	U						D182-02	18:52
				PHENANTHRENE	.019	mg/L	U	N Y U	U						D182-02	18:52
				PHENOL	.0094	mg/L	U	N Y U	U						D182-02	18:52
				PYRENE	.0094	mg/L	U	N Y U	U						D182-02	18:52
QG3003	SW8270C	SW3520	N 0 .95	1,2,4-TRICHLOROBENZENE	.0095	mg/L	U	N Y	U						D182-03	19:22
				1,2-DICHLOROBENZENE	.0095	mg/L	U	N Y	U						D182-03	19:22
				1,3-DICHLOROBENZENE	.0095	mg/L	U	N Y	U						D182-03	19:22
				1,4-DICHLOROBENZENE	.0095	mg/L	U	N Y	U						D182-03	19:22
				2,4,5-TRICHLOROPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				2,4,6-TRICHLOROPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				2,4-DICHLOROPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				2,4-DIMETHYLPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				2,4-DINITROPHENOL	.019	mg/L	U	N Y	UJ		05B				D182-03	19:22
				2,4-DINITROTOLUENE	.019	mg/L	U	N Y	U						D182-03	19:22
				2,6-DINITROTOLUENE	.019	mg/L	U	N Y	U						D182-03	19:22
				2-CHLORONAPHTHALENE	.0095	mg/L	U	N Y	U						D182-03	19:22
				2-CHLOROPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				2-METHYLNAPHTHALENE	.0095	mg/L	U	N Y	U						D182-03	19:22
				2-METHYLPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				2-NITROANILINE	.019	mg/L	U	N Y	U						D182-03	19:22
				2-NITROPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22
				3,3'-DICHLOROBENZIDINE	.0095	mg/L	U	N Y	U						D182-03	19:22
				3-NITROANILINE	.0095	mg/L	U	N Y	U						D182-03	19:22
				4,6-DINITRO-2-METHYLPHENOL	.019	mg/L	U	N Y	UJ		05B				D182-03	19:22
				4-BROMOPHENYL-PHENYL ETHER	.019	mg/L	U	N Y	U						D182-03	19:22
				4-CHLORO-3-METHYLPHENOL	.0095	mg/L	U	N Y	U						D182-03	19:22

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3003	SW8270C	SW3520	N 0 .95	4-CHLOROANILINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-CHLOROPHENYL-PHENYL ETHER	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-METHYLPHENOL	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-NITROANILINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				4-NITROPHENOL	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ACENAPHTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ACENAPHTHYLENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ANTHRACENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(A)ANTHRACENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(A)PYRENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(B)FLUORANTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(G,H,I)PERYLENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BENZO(K)FLUORANTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-CHLOROETHOXY)METHANE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-CHLOROETHYL)ETHER	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-CHLOROISOPROPYL)ETHER	.0095	mg/L	U	N	Y	U						D182-03	19:22
				BIS(2-ETHYLHEXYL)PHTHALATE	.019	mg/L	U	N	Y	U						D182-03	19:22
				BUTYLBENZYLPHTHALATE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				CARBAZOLE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				CHRYSENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DI-N-BUTYLPHTHALATE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DI-N-OCTYLPHTHALATE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DIBENZO(A,H)ANTHRACENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DIBENZOFURAN	.0095	mg/L	U	N	Y	U						D182-03	19:22
				DIETHYLPHTHALATE	.019	mg/L	U	N	Y	U						D182-03	19:22
				DIMETHYLPHTHALATE	.019	mg/L	U	N	Y	U						D182-03	19:22
				FLUORANTHENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				FLUORENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROBENZENE	.019	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROBUTADIENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROCYCLOPENTADIENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				HEXACHLOROETHANE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				INDENO(1,2,3-CD)PYRENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				ISOPHORONE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				N-NITROSO-DI-N-PROPYLAMINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				N-NITROSODIPHENYLAMINE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				NAPHTHALENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				NITROBENZENE	.0095	mg/L	U	N	Y	U						D182-03	19:22
				PENTACHLOROPHENOL	.019	mg/L	U	N	Y	U						D182-03	19:22
				PHENANTHRENE	.019	mg/L	U	N	Y	U						D182-03	19:22

Validation Qualifier Data Entry Verification

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Run Date: August 1, 2002

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
												Qlfr	Code:	1	2	3	4		
IASPOW-02																			
QG3003	SW8270C	SW3520	N	0	.95	PHENOL	.0095	mg/L	U	N	Y	U					D182-03	19:22	
						PYRENE	.0095	mg/L	U	N	Y	U					D182-03	19:22	
QG3002	SW8260B	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,1,1-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,1,2-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,1-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,1-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,1-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N	Y	U	UJ	05B			D182-02	20:38	
						1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N	Y	U	R	04A	05A		D182-02	20:38	
						1,2-DIBROMOETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,2-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,2-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,3-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,3-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						1,4-DICHLOROBENZENE	.005	mg/L	U	N	Y	U	U				D182-02	20:38	
						2,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						2-BUTANONE	.01	mg/L	U	N	Y	U	R	04A	05A		D182-02	20:38	
						2-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						2-HEXANONE	.01	mg/L	U	N	Y	U	R	04A	05A		D182-02	20:38	
						4-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						4-METHYL-2-PENTANONE	.01	mg/L	U	N	Y	U	R	05A			D182-02	20:38	
						ACETONE	.01	mg/L	U	N	Y	U	R	04A	05A		D182-02	20:38	
						BENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						BROMOBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						BROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						BROMODICHLOROMETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						BROMOFORM	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						BROMOMETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						CARBON DISULFIDE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						CARBON TETRACHLORIDE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						CHLOROBENZENE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						CHLOROETHANE	.001	mg/L	U	N	Y	U	U				D182-02	20:38	
						CHLOROFORM	.001	mg/L	U	N	Y	U	U				D182-02	20:38	

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
												Qlfr	Code:	1	2	3	4		
IASPOW-02																			
QG3002	SW8260B	SW5030	N	0	1	CHLOROMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						DIBROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						DIBROMOMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						DICHLORODIFLUOROMETHANE	.001	mg/L	U	N	Y	U	UJ		05B			D182-02	20:38
						ETHYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						HEXACHLOROBUTADIENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						ISOPROPYL BENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						M/P-XYLENES	.002	mg/L	U	N	Y	U	U					D182-02	20:38
						METHYLENE CHLORIDE	.002	mg/L	U	N	Y	U	U					D182-02	20:38
						N-BUTYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						N-PROPYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						NAPHTHALENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						O-XYLENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						P-ISOPROPYLTOLUENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						SEC-BUTYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						STYRENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						TERT-BUTYLBENZENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						TETRACHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						TOLUENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						TRICHLOROETHENE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						TRICHLOROFLUOROMETHANE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
						VINYL CHLORIDE	.001	mg/L	U	N	Y	U	U					D182-02	20:38
QG3003	SW8260B	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,1,1-TRICHLOROETHANE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,1,2-TRICHLOROETHANE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,1-DICHLOROETHANE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,1-DICHLOROETHENE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,1-DICHLOROPROPENE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N	Y		UJ		05B		D182-03	21:15	
						1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N	Y		R		04A 05A		D182-03	21:15	
						1,2-DIBROMOETHANE	.001	mg/L	U	N	Y		U				D182-03	21:15	
						1,2-DICHLOROBENZENE	.001	mg/L	U	N	Y		U				D182-03	21:15	

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-02																	
QG3003	SW8260B	SW5030	N 0 1	1,2-DICHLOROETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,3-DICHLOROBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,3-DICHLOROPROPANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				1,4-DICHLOROBENZENE	.005	mg/L	U	N	Y	U						D182-03	21:15
				2,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				2-BUTANONE	.01	mg/L	U	N	Y	R		04A	05A			D182-03	21:15
				2-CHLOROTOLUENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				2-HEXANONE	.01	mg/L	U	N	Y	R		04A	05A			D182-03	21:15
				4-CHLOROTOLUENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				4-METHYL-2-PENTANONE	.01	mg/L	U	N	Y	R		05A				D182-03	21:15
				ACETONE	.01	mg/L	U	N	Y	R		04A	05A			D182-03	21:15
				BENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMODICHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOFORM	.001	mg/L	U	N	Y	U						D182-03	21:15
				BROMOMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CARBON DISULFIDE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CARBON TETRACHLORIDE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROFORM	.001	mg/L	U	N	Y	U						D182-03	21:15
				CHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				DIBROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				DIBROMOMETHANE	.001	mg/L	U	N	Y	U						D182-03	21:15
				DICHLORODIFLUOROMETHANE	.001	mg/L	U	N	Y	UJ		05B				D182-03	21:15
				ETHYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				HEXACHLOROBUTADIENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				ISOPROPYL BENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				M/P-XYLENES	.002	mg/L	U	N	Y	U						D182-03	21:15
				METHYLENE CHLORIDE	.002	mg/L	U	N	Y	U						D182-03	21:15
				N-BUTYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				N-PROPYLBENZENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				NAPHTHALENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				O-XYLENE	.001	mg/L	U	N	Y	U						D182-03	21:15
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N	Y	U						D182-03	21:15

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Sample Number:	Analytical/Extraction		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:												Qlfr	Code:	1	2	3	4		
IASPOW-02																				
QG3003	SW8260B	SW5030	N	0	1	SEC-BUTYLBENZENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						STYRENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TERT-BUTYLBENZENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TETRACHLOROETHENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TOLUENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRICHLOROETHENE	.001	mg/L	U	N	Y		U						D182-03	21:15
						TRICHLOROFLUOROMETHANE	.001	mg/L	U	N	Y		U						D182-03	21:15
						VINYL CHLORIDE	.001	mg/L	U	N	Y		U						D182-03	21:15

Quality Assurance Report
For Site Investigation Performed at Small Arms Impact Area, South of Former
POW Training Area
Parcel IASPOW
IT Project No 796887

1.0 Overview

Twenty-five soil samples and three groundwater samples were collected in support of the investigation at Fort McClellan (FTMC) Parcel IASPOW, Small Arms Impact Area South of Former POW Training Area. Samples were submitted to EMAX Laboratories, Inc. for analysis. QC samples consisted of the following types and quantities: 3 field duplicates (FD), 2 matrix spike/matrix spike duplicate (MS/MSD) pairs and 3 equipment rinsates (ER). An analytical summary cross-referencing sample location, sample number, and contaminants of concern is presented in Attachment A.

One hundred (100%) percent of samples were validated and reviewed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Evaluating Inorganic Data Review* (EPA, February 1994) and *USEPA Contract Laboratory Program National Functional Guidelines for Organic Review* (EPA, October 1999) for all areas except blanks. *Region III Laboratory Data Validation Functional Guidelines for Inorganic Analyses* (EPA, April 1993) and *Region III National Functional Guidelines for Organic Data Review* (EPA, June 1992) were applied to the areas associated with blank contamination. Data qualifiers assigned to results were based on guidance outlined in the referenced documents and the *Installation-Wide Sampling and Analysis Plan* (IT, March 2000) for FTMC.

Table 1.0-1
Laboratory Data Qualifier Definitions

Data Qualifier	Laboratory Data Qualifier Definition
B	Analyte detected in method blank at concentration greater than the reporting limit (and greater than zero).
C	Confirming data obtained using second GC column or GC/MS.
E	Analyte concentration exceeded calibration range.
I	Analyte identification suspect. See narrative for explanation.
J	Result is less than or equal to specified reporting limit but greater than the method detection limit (MDL).
P	Analyte not confirmed. Results from primary and secondary GC columns differ by greater than 10 percent
S	Analyte concentration obtained using Method of Standard Additions (MSA).
U	Not detected. The value represented indicates the reporting limit for the analysis.
D	Sample analyzed as a dilution. The result reported has been calculated using the appropriate dilution factor.
No Code	Confirmed identification.

**Table 1.0-2
Validation Data Qualifier Definitions**

Validation Qualifier	Validation Data Qualifier Definition
U	Not detected. The associated number indicates approximate sample concentration necessary to be detected.
No Code	Confirmed identification.
B	Not detected substantially above the level reported in laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
N	Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.
J	Analyte present. Reported value may not be accurate or precise. Considered an estimate.
NJ	Qualitative identification questionable due to poor resolution. Presumptively present at approximate quantity.
NV	Result was not validated.

The Data Validation Summary Report is presented in Attachment B.

2.0 Summary

Data were evaluated to verify compliance with precision, accuracy, representativeness, comparability, completeness, and sensitivity. To verify that project data quality objectives (DQOs) were met, laboratory analytical results and data packages were examined for compliance with SW846 8081A, 8141, 8151, 8260B, 8270C, 8330, 6010B/7470A/7471A quality control (QC) method criteria. Laboratory nonconformances and discrepancies in the data were also examined to determine their impact on the data. The results of this review are presented in the following sections.

2.1 Sample Receipt and Analytical Holding Times

All sample results generated by the laboratory during this investigation have been reviewed with respect to condition of samples as received by the laboratory, chain-of-custody, and analysis holding times. All coolers were received by EMAX in good condition under proper chain-of-custody.

All extraction and analytical holding times were met.

2.2 Rejected Data

Table 2.2-1 lists all rejected analytical data. Sample re-collection at this time is not warranted due to all rejected results being reported as non-detect.

**Table 2.2-1
Rejected Analytical Results**

Sample Delivery Group	Sample Number	Contaminant	Reason
IASPOW-04	QG0030, QG0031 and QG0032	Naled Dichlorvos	LCS spike recovery less than 10%

2.3 Blank Results

Descriptions of the type of blank samples which were collected, processed and evaluated for background and/or process contamination during this sampling are as follows:

- Equipment rinsates (ER) are samples of analyte-free deionized water poured into, over, or pumped through the sampling device, collected in a sample container, and transported to the laboratory for analysis. Equipment rinsates are used to assess the effectiveness of equipment decontamination procedures.
- Method blanks (MB) are used in the laboratory to assess and document any possible contamination resulting from the analytical process. A method blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank shall be carried through the complete sample preparation and analytical procedure.
- Initial and continuing calibration blanks (ICB and CCB) are instrument blanks consisting of an analyte-free matrix. ICBs and CCBs are analyzed to verify the analysis system is free of contamination and are analyzed immediately after the initial and continuing calibrations are performed.

When target compounds are detected in equipment rinsates, method blanks and/or initial and continuing calibration blanks there is increased uncertainty regarding the positive identification of the same constituents in field samples. When this occurs, detections more than five times the associated blank concentration are assumed to be positive detections in field samples.

Because of the added uncertainty for certain "common" laboratory contaminants such as acetone, chloroform, toluene, and various phthalates, these constituents are not assumed present until sample concentrations exceed ten times the associated blank value. This is referred to as the 5X/10X rule.

Field sample concentrations were evaluated to determine if the sample results could have been biased by the presence of any contamination measured in trip blanks, equipment rinsate blanks, method blanks and/or initial/continuing calibration blanks. Sample data affected by blank contamination are summarized in Table 2.3-1.

Table 2.3-1
Summary of Blank Contamination

Sample Delivery Group	Sample Number	Contaminant	Action
IASPOW-04	QG0030	Trichlorofluoromethane	Trichlorofluoromethane result for sample QG0030 was "B" qualified due to MB contamination.
	QG0030, QG0032, QG0033, QG0034 and QG0035	Sodium	Sodium results for samples QG0030, QG0032, QG0033, QG0034 and QG0035 were "B" qualified due to ICB/CCB and ER contamination.
	QG0033	Selenium	Selenium result for sample QG0033 was "B" qualified due to ICB/CCB contamination.
IASPOW-06	QG0022, QG0024, QG0025, QG0028, QG0029, QG0037 and QG0038	Mercury	Mercury results for samples QG0022, QG0024, QG0025, QG0028, QG0029, QG0037 and QG0038 were "B" qualified due to ICB/CCB contamination.
	QG0022 through QG0029 and QG0037 through QG0043	Selenium	Selenium results for samples QG0022 through QG0029 and QG0037 through QG0043 were "B" qualified due to ICB/CCB contamination.
	QG0023, QG0024, QG0025, QG0027, QG0028, QG0037, QG0039 and QG0041 through QG0044	Sodium	Sodium results for samples QG0023, QG0024, QG0025, QG0027, QG0028, QG0037, QG0039 and QG0041 through QG0044 were "B" qualified due to ER contamination.
	QG0027, QG0029, QG0038 and QG0042	Cobalt	Cobalt results for samples QG0027, QG0029, QG0038 and QG0042 were "B" qualified due to MB contamination.
IASPOW-07	QG0045 and QG0046	Selenium	Selenium results for samples QG0045 and QG0046 were "B" qualified due to MB contamination.

2.4 Analytical Precision

Precision is defined as a measurement of mutual agreement among individual measurements of the same property, usually under "prescribed similar conditions." Analytical precision is calculated as relative percent difference (%RPD) based on the following formula:

$$\%RPD = \left| \frac{(A-B)}{(A+B)/2} \right| \times 100$$

where:

%RPD = Relative Percent Difference
A = original result
B = duplicate result

A high RPD between an original sample and its field duplicate may be attributable to the difference in sample matrix or distribution of the contaminant within the sample, rather than the precision of the collection process. Also, when "estimated" results are reported, there is a potential for increased variability between the primary and duplicate sample results. This occurs because, at low concentrations, the relative difference in results is magnified by the RPD calculation even though the results are comparable in absolute terms. There is also increased uncertainty in the results as the lower limit of detection is approached, due to decreasing analytical accuracy. The RPD calculation cannot be performed in cases where non-detected results are reported with corresponding samples that contain detectable concentrations.

Overall sampling and analysis precision for this task was assessed using field duplicate (FD) samples. Laboratory precision was assessed by laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and matrix spike/matrix spike duplicate (MS/MSD) recoveries. Results indicate that an acceptable analytical precision was achieved. Table 2.4-1 lists precision acceptance criteria for LCS/LCSD, MS/MSD organic analyses and field duplicate comparisons. Table 2.4-2 lists all field duplicate, LCS/LCSD and MS/MSD RPDs that exceeded QC criteria.

Table 2.4-1
Precision Acceptance Criteria

Field/Laboratory QC Type	Matrix	
	Aqueous	Soil
Field Duplicate (Both Organic & Inorganic)	RPD < 35%	RPD < 50%
Organochlorinated Pesticides LCS/LCSD and MS/MSD	RPD < 25%	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
Organophosphorus Pesticides LCS/LCSD and MS/MSD	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
Herbicides LCS/LCSD and MS/MSD	RPD < 50%	RPD < 50%
TCL Volatiles LCS/LCSD and MS/MSD	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
TCL Semivolatiles LCS/LCSD and MS/MSD	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
Nitroaromatic and Nitroamine Explosives LCS/LCSD and MS/MSD	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"	Refer to Table 8-1 of FTMC "Installation Wide Sample and Analysis Plan - Appendix B"
Metals LCS/LCSD and MS/MSD	RPD < 20%	RPD < 20%

Table 2.4-2
Summary of Field Duplicate, LCS/LCSD & MS/MSD RPD Anomalies

Sample Delivery Group	Sample Number	Contaminant	Assigned Validation Qualifier
IASPOW-04	QG0031 MS/MSD	Manganese (76%)	Manganese results for samples QG0030 through QG0036 were "J" qualified due to MS/MSD %RPD exceeding QC criteria.
	QG0031 (Parent) / QG0032 (FD)	Manganese (98%) Cobalt (76%) Lead (61%)	Manganese, cobalt and lead results for samples QG0031 and QG0032 were "J" qualified due to %RPD between parent sample and its corresponding field duplicate exceeding QC criteria.
IASPOW-05	NPJ001WL/C (LCS/LCSD)	Mevinphos (26%) Demeton (Total)(22%) Fensulfothion (35%)	Mevinphos, demeton (total) and fensulfothion results for sample QG3004 were "UJ" qualified due to LCS/LCSD %RPDs exceeding QC criteria.

Table 2.4-2 (Continued)
Summary of Field Duplicate, LCS/LCSD & MS/MSD RPD Anomalies

Sample Delivery Group	Sample Number	Contaminant	Assigned Validation Qualifier
IASPOW-07	QG0045 (Parent) / QG0046 (FD)	Selenium (65%)	Selenium results for samples QG0045 and QG0046 should be considered estimated due to %RPD between parent sample and its corresponding field duplicate exceeding QC criteria. However, due to blank contamination, selenium results were "B" qualified.

Sample results reported from GC or HPLC methodologies (i.e., SW846 8081, 8141, 8151, 8330) are confirmed by using two dissimilar columns or dissimilar detectors. Agreement or analytical precision between the two results is calculated as RPD. If the calculated RPD between the two differing columns or detectors exceed 50%, then the higher of the two results is reported as estimated. Table 2.4-3 lists all reported results where the original and confirmation analysis RPD exceeded QC criteria.

Table 2.4-3
Summary of Original / Confirmation Analysis RPD Anomalies

Sample Delivery Group	Sample Number	Contaminant	Assigned Validation Qualifier
IASPOW-03	QG3005	Endosulfan II (56%) 4,4'-DDD (126%) Heptachlor epoxide (116%)	Endosulfan II, 4,4'-DDD and heptachlor epoxide results for sample QG3005 were "J" qualified due to %RPD between the original and confirmation analysis exceeding QC criteria.
	QG3006	gamma-BHC (71%) Endrin (64%) 4,4'-DDD (119%) Heptachlor epoxide (119%)	Gamma-BHC, endrin, 4,4'-DDD and heptachlor epoxide results for sample QG3006 were "J" qualified due to %RPD between the original and confirmation analysis exceeding QC criteria.
IASPOW-04	QG0030	4,4'-DDT (158%)	4,4'-DDT results for sample QG0030 was "J" qualified due to %RPD between the original and confirmation analysis exceeding QC criteria.
IASPOW-05	QG3004	Heptachlor epoxide (131%) alpha-Chlordane (55%) gamma-Chlordane (79%)	Heptachlor epoxide, alpha-chlordane and gamma-chlordane results for sample QG3004 were "J" qualified due to %RPD between the original and confirmation analysis exceeding QC criteria.

2.5 Analytical Accuracy Assessment

Accuracy is a measure of the degree of agreement of a result against an accepted reference or true value. Accuracy is expressed as a percent recovery (%R) calculated by the ratio of the measurement and accepted true value as shown in the following equation:

$$\%R = (|X_s - X_u|/K) \times 100$$

where:

X_s = measured value of the spiked sample
 X_u = measured value of the unspiked sample
 K = known amount of the spike in the sample

Surrogate recoveries, MS/MSD and LCS/LCSD were used to measure analytical accuracy as described in SW846 8081A, 8141, 8151, 8260B, 8270C, 8330, and 6010B/7470A/7471A.

Reported results indicate that an acceptable level of analytical accuracy was achieved.

Surrogate, LCS/LCSD and MS/MSD spike recoveries, which exceed QC criteria are summarized in Table 2.5-1.

Table 2.5-1
Summary of Surrogate, LCS/LCSD and MS/MSD Spike Recovery Criteria Exceedances

Sample Delivery Group	Sample Number	Contaminant	Action
IASPOW-03	NPI012WL (LCS)	Demeton (Total)(LB)	Demeton (total) results for samples QG3005 and QG3006 were "UJ" qualified due to LCS spike recovery exceeding QC criteria.
IASPOW-04	QG0031 MS/MSD	Antimony (LB) Manganese (LB,HB)	Antimony and manganese results for samples QG0030 through QG0036 were "J" /"UJ" qualified due to MS/MSD spike recoveries exceeding QC criteria.
	NPJ003 SL/SC (LCS/LCSD)	Dichlorvos (<10%) Naled (<10%)	Dichlorvos and naled results for samples QG0030, QG0031 and QG0032 were "R" qualified due to LCS/LCSD spike recoveries being less than 10%.
	QG0031 MS/MSD	Dichlorvos (LB) Naled (LB)	Dichlorvos and naled results for samples QG0030, QG0031 and QG0032 should be considered estimated due to MS/MSD spike recoveries exceeding QC criteria. However, dichlorvos and naled results were "R" qualified due to associated LCS/LCSD spike recoveries being less than 10%.

LB - Low bias
HB - High bias

Table 2.5-1 (Continued)
Summary of Surrogate, LCS/LCSD and MS/MSD Spike Recovery Criteria Exceedances

Sample Delivery Group	Sample Number	Contaminant	Action
IASPOW-05	NPJ001WL/C (LCS/LCSD)	Demeton (Total)(LB) Disulfoton (LB)	Demeton (Total) and disulfoton results for sample QG3004 were "UJ" qualified due to LCS/LCSD spike recoveries exceeding QC criteria.
IASPOW-06	QG0044 MS/MSD	Selenium (LB) Antimony (LB) Chromium (LB) Vanadium (LB)	Selenium, antimony, chromium and vanadium results for samples QG0022 through QG0029 and QG0037 through QG0044 were "J" qualified due to MS/MSD spike recoveries exceeding QC criteria.

LB - Low bias

HB - High bias

2.6 Data Representativeness

Representativeness is a qualitative parameter that expresses the degree to which sample data actually represent the matrix conditions. Standardized requirements and procedures for sample collection, handling and analyses were employed to maximize sample representativeness.

Soil sample locations selected for this investigation will confirm whether the soil has been impacted by contaminant releases from former activities at this site. Groundwater samples were collected to determine the quality of groundwater in the aquifer.

2.7 Data Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. By employing well-recognized techniques and accepted standardized methods for sampling and analysis, data comparability was achieved during this sampling event.

2.8 Data Completeness

Completeness is calculated for the aggregation of data for each analyte measured during the investigation of Parcel IASPOW, Small Arms Impact Area South of Former POW Training Area. The formula for calculating completeness is listed below:

$$\% \text{ Completeness} = (X_v / X_T) \times 100$$

where:

X_v = number of valid (i.e., non-"R"-flagged) results

X_T = number of possible results

Parcel IASPOW goal for completeness is 95% for both aqueous and soil samples. The % Completeness for this task is calculated to be 99.6%.

- % Completeness = $(1349 / 1355) \times 100 = 99.6\%$

2.9 Sensitivity

Sensitivity is defined as the ability of the laboratory's established method detection limits (MDL)/method reporting limits (MRL or RL) to meet project-specific DQOs or site-specific screening levels (SSSL) and or ecological screening values (ESV).

MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. MDLs are determined from an analysis of a sample in a given matrix containing the target analyte of interest. The MRL is a threshold value based upon the sensitivity capability of method and instrument. MRLs are normally set at a minimum of two times the MDL. MRLs are adjusted based on the sample matrix, moisture (solids only), and any necessary sample dilutions. The laboratory cannot reliably quantitate values reported above the MDL but below the MRL. Therefore, these analyte values must be flagged as estimated quantities ("J"-flagged).

To evaluate method sensitivity, a general comparison of the laboratory's MDLs/MRLs and the site investigation screening levels (background values, human health SSSL for residential reuse, and ESV) was performed and presented to the FTMC Base Realignment and Closure Team (BCT) (November 1999). The comparison summarized the relationship between the MDL/MRLs and SSSL/ESVs for each parameter typically reported for all of the major analytical methods used at FTMC. The few cases identified where the MDL and/or MRL values exceeded their corresponding human health SSSL and/or ESV were specifically highlighted and explained. It was understood that for these cases, the standard analytical method of analysis was not going to provide MDLs/MRLs, which met human health SSSLs or ESVs without significant uncertainty and the possibility of reporting false negatives. It was generally accepted that standard EPA SW846 analytical methods would provide sufficient sensitivity for data reported and used in the site screening process at FTMC.

3.0 Data Usability

Data quality indicators (DQI) provide an internal guide for control and review to verify that data are scientifically sound, defensible, and of known and acceptable quality. Factors such as precision, accuracy, representativeness, comparability, completeness, and sensitivity were evaluated to determine if the project's DQOs were met. A review of the data revealed that the majority of QA/QC indicators were within acceptable control limits. Any data anomalies

encountered during data validation and overall site evaluations have been summarized in the previous sections of this document.

Based on the results of data validation and QA review, IT has concluded that representative samples were collected and analyzed and the results are indicative of the media analyzed. The data are to be considered representative of site conditions and are usable for their intended purpose.

4.0 Attachments

Attachment A - Analytical Summary Table

Attachment B - Data Validation Summary Report

ATTACHMENT A
ANALYTICAL SUMMARY TABLE

Ft. McClellan
Small Arms Impact Area, South of Former POW Training Area
Soil Analytical Summary
Project No. 796887

Sample Location	Sample Name	Sample Number	Date Sampled	Sample Depth	Analytical Suite	Sample Type	Sample Purpose
IMP-IASPOW-GP10	IMP-IASPOW-GP10-SS-QG0022-REG	QG0022	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP10-DS-QG0023-REG	QG0023	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP11	IMP-IASPOW-GP11-SS-QG0024-REG	QG0024	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP11-DS-QG0025-REG	QG0025	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP12	IMP-IASPOW-GP12-SS-QG0026-REG	QG0026	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP12-DS-QG0027-REG	QG0027	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP13	IMP-IASPOW-GP13-SS-QG0028-REG	QG0028	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP13-DS-QG0029-REG	QG0029	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP14	IMP-IASPOW-GP14-SS-QG0030-REG	QG0030	1-Oct-02	0 to 1 ft	CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP14-DS-QG0031-REG	QG0031	1-Oct-02	2 to 4 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	DS	REG
	IMP-IASPOW-GP14-DS-QG0031-MS	QG0031-MS	1-Oct-02	2 to 4 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	DS	MS
	IMP-IASPOW-GP14-DS-QG0031-MSD	QG0031-MS	1-Oct-02	2 to 4 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	DS	MSD
	IMP-IASPOW-GP14-DS-QG0032-FD	QG0032	1-Oct-02	2 to 4 ft	Volatiles by 8260B CI Herbicides by 8151A CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A Semivolatiles by 8270C TAL Metals by 6010B/7471A	DS	FD
IMP-IASPOW-GP15	IMP-IASPOW-GP15-SS-QG0033-REG	QG0033	1-Oct-02	0 to 1 ft	Volatiles by 8260B TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP15-DS-QG0034-REG	QG0034	1-Oct-02	2 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP16	IMP-IASPOW-GP16-SS-QG0035-REG	QG0035	1-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP16-DS-QG0036-REG	QG0036	1-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP17	IMP-IASPOW-GP17-SS-QG0037-REG	QG0037	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP17-DS-QG0038-REG	QG0038	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP18	IMP-IASPOW-GP18-SS-QG0039-REG	QG0039	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP18-DS-QG0040-REG	QG0040	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP19	IMP-IASPOW-GP19-SS-QG0041-REG	QG0041	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP19-DS-QG0042-REG	QG0042	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP20	IMP-IASPOW-GP20-SS-QG0043-REG	QG0043	2-Oct-02	0 to 1 ft	TAL Metals by 6010B/7471A	SS	REG
	IMP-IASPOW-GP20-DS-QG0044-REG	QG0044	2-Oct-02	3 to 4 ft	TAL Metals by 6010B/7471A	DS	REG
IMP-IASPOW-GP03	IMP-IASPOW-GP03-DS-QG0045-REG	QG0045	29-Oct-02	4 to 6 ft	TAL Metals by 6010B/7471A	DS	REG
	IMP-IASPOW-GP03-DS-QG0046-FD	QG0046	29-Oct-02	4 to 6 ft	TAL Metals by 6010B/7471A	DS	FD

Ft. McClellan
Small Arms Impact Area, South of Former POW Training Area
Groundwater Analytical Summary
Project No. 796887

<u>Sample Location</u>	<u>Sample Name</u>	<u>Sample Number</u>	<u>Date Sampled</u>	<u>Sample Depth</u>	<u>Analytical Suite</u>	<u>Sample Type</u>	<u>Sample Purpose</u>
IMP-IASPOW-MW01	IMP-IASPOW-MW01-GW-QG3004-REG	QG3004	2-Oct-02	35 to 55 ft	CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A	GW	REG
IMP-IASPOW-MW02	IMP-IASPOW-MW02-GW-QG3005-REG	QG3005	24-Sep-02	35 to 55 ft	CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A	GW	REG
	IMP-IASPOW-MW02-GW-QG3005-MS	QG3005-MS	24-Sep-02	35 to 55 ft	CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A	GW	MS
	IMP-IASPOW-MW02-GW-QG3005-MSD	QG3005-MSD	24-Sep-02	35 to 55 ft	CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A	GW	MSD
	IMP-IASPOW-MW02-GW-QG3006-FD	QG3006	24-Sep-02	35 to 55 ft	CI Pesticides by 8081A Nitroaromatics by 8330 OP Pesticides by 8141A	GW	FD

ATTACHMENT B
DATA VALIDATION SUMMARY REPORT

**Data Validation Summary Report
For the Site Investigation Performed at
Small Arms Impact Area, South of Former POW Training Area (Parcel IASPOW)
Fort McClellan, Calhoun County, Alabama**

1.0 Introduction

Level III data validation was performed on 100 percent of the environmental samples collected for IMP-IASPOW. The analytical data consisted of delivery groups (SDGs) IASPOW-03 through IASPOW-07, which were analyzed by EMAX Laboratories. Soil and water matrices were validated. The chemical parameters for which the samples were analyzed, are identified below:

Parameter (Method)
Volatile Organics by GC/MS SW846 8260B
Semivolatile Organics by GC/MS SW846 8270C
Metals by SW846 6010B and 7470A/7471A
Nitroaromatic and Nitramine Explosives by SW846 8330
Organophosphorus Pesticides by SW846 8141A
Organochlorinated Pesticides by SW846 8081A
Herbicides by SW846 8151A

2.0 Procedures

The sample data were validated following the logic identified in the July 2002 *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* and the 1999 *EPA Contract Laboratory Program National Functional Guidelines for Organic Review* for all areas except blanks. *EPA Region III Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses* (April 1993) and *Region III National Functional Guidelines for Organic Data Review* (September 1994) were applied to the areas associated with blank contamination. Specific quality control (QC) criteria as identified in the quality assurance plan (QAP), analytical methods, and laboratory standard operating procedures (SOP) were applied to all sample results. As a result of the use of Update III SW846 test methods for the analytical data and the application of the Contract Laboratory Program (CLP) guidelines during the validation process, there were instances where specific QC requirements for all target compounds were not defined. This primarily occurred in the organic, gas chromatography (GC) and GC/mass spectrometry (MS) calibration areas and is due to the fact that the analytical methods are performance-based and allow the use of average calibration responses in lieu of individual responses, which are defined by CLP protocol. In light of applying CLP guidelines to SW846 methods and evaluating the usability of the data during the validation process, specific

QC criteria were determined to address all target compounds and are identified in this report for each parameter, as well as in the validation checklists, which function as worksheets. All completed validation checklists are on file in the Knoxville office. For those analytical methods not addressed by the CLP and Region III guidelines, the validation was based on the method requirements (i.e., SW846, Code of Federal Regulations, SOPs) and technical judgement, following the logic of the CLP validation guidelines.

3.0 Summary of Data Validation Findings

The overall quality of the data was determined to be acceptable with minimal qualifications. The only rejected data ("R" qualified) was due to "poor performing" volatile compounds (ketones, some halogenated hydrocarbons, etc.), which experienced poor calibration responses in the associated calibration data, organophosphorus pesticide compounds that experienced extremely low LCS recoveries, and samples that were reanalyzed and have more than one set of results reported. The "R" qualifier was assigned to the samples with more than one set of results to indicate that a given result should not be used to characterize a particular constituent or an analysis for a given sample.

Individual validation reports have been prepared for each parameter, and the overall results of the validation findings are summarized in this report. The validation qualifier data entry verification report (Attachment A) is also provided. This is a complete listing of all of the analytical results and the validation qualifiers assigned for the site investigation at IMP-IASPOW. It also identifies the "use" column, which indicates which result to use in the event of a reanalysis. A listing of the validation qualifiers and the reason codes, along with their definitions, is also found in Attachment A. The following section highlights the key findings of the data validation for each analysis.

4.0 Analysis-Specific Data Validation Summaries

4.1 Volatile Organics by GC/MS SW846 8260B

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

The initial calibration (ICAL) and continuing calibrations (CCAL) associated with the project samples met QC criteria with the following exception(s):

- The following exhibited individual ICAL relative standard deviation (%RSD) >30 and/or CCAL percent difference (%D) >20:

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-04	QG0030, QG0031, QG0032	Bromomethane, Carbon Disulfide, Chloromethane, Dichlorodifluoromethane, Hexachlorobutadiene, sec-Dichloropropane	UJ

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses, trip blanks, and method blanks was applied to all sample results. All were found to be acceptable with the following exception(s):

SDG	Samples Affected	Compound(s)	Blank Contaminant	Validation Qualifier
IASPOW-04	QG0030	Trichlorofluoromethane	Method	B

Surrogate Recoveries

All surrogate recoveries were within QC limits.

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

Laboratory Control Sample (LCS) analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and all were found to be acceptable.

Internal Standards

All internal standards met QC criteria.

Quantitation

Results quantitated between the method detection limit (MDL) and the reporting limit (RL), which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.2 Semivolatile Organics by GC/MS SW846 8270C

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exception(s):

- The following exhibited individual CCAL percent difference (%D) >20:

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-04	QG0030, QG0031, QG0032	Bis(2-Chloroisopropyl)ether	UJ

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated, and all QC criteria were met.

Internal Standards

All internal standards met QC criteria.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J," were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.3 Metals by SW846 6010B/7470A/7471A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibrations

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were found to be acceptable with the following exception(s):

SDG	Samples Affected	Compound(s)	Blank Contaminant	Validation Qualifier
IASPOW-04	QG0030, QG0032, QG0033, QG0034, QG0035	Sodium	Calibration/ER	B
	QG0033	Selenium	Calibration	B
IASPOW-06	QG0022, QG0024, QG0025, QG0028, QG0029, QG0037, QG0038	Mercury	Calibration	B

SDG	Samples Affected	Compound(s)	Blank Contaminant	Validation Qualifier
IASPOW-06 (Continued)	All Samples except QG0044	Selenium	Calibration	B
	QG0023, QG0024, QG0025, QG0027, QG0028, QG0037, QG0039, QG0041, QG0042, QG0043, QG0044	Sodium	ER	B
	QG0027, QG0029, QG0038, QG0042	Cobalt	Calibration	B
IAPSOW-07	QG0045, QG0046	Selenium	Method	B

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met with the following exception(s):

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-04	All Samples	Antimony, Manganese	J/UJ
IASPOW-06	All Samples	Selenium, Antimony, Chromium, Vanadium	B/J/UJ

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Interference Check Sample All Interference Check Sample (ICS) percent recoveries were acceptable. All QC criteria were met.

Inductively Coupled Plasma Serial Dilutions

All QC criteria were met for the serial dilutions associated with the project samples with the following exception(s):

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-04	All Samples	Zinc	J
IASPOW-06	All Samples	Nickel	J

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified with the following exception(s):

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-04	QG0031 (Original), QG0032 (FD)	Manganese, Cobalt, Lead	J
IAPSOW-07	QG0045 (Original), QG0046 (FD)	Selenium	B*

- *Selenium results would have been qualified "J"; however, were "B" qualified due to blank contamination.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.4 Nitroaromatic and Nitramine Explosives by SW846 8330

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

2ND Column Confirmation

The percent difference QC criteria between columns for analyte concentrations were met.

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.5 Organophosphorus Pesticides by SW846 8141

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IAPSOW-03	QG3005, QG3006	Dimethoate	UJ
IAPSOW-04	QG0030, QG0031, QG0032	Naled	R*
IAPSOW-05	QG3004	Dimethoate	UJ

- *Naled results were rejected due to extremely low LCS recoveries.

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IAPSOW-04	QG0030, QG0031, QG0032	Naled, Dichlorvos	R*

- Naled and Dichlorvos results were rejected due to extremely low LCS recoveries.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IAPSOW-03	QG3005, QG3006	Demeton	UJ
IASPOW-04	QG0030, QG0031, QG0032	Naled, Dichlorvos	R*
IAPSOW-05	QG3004	Demeton, Disulfoton, Fensulfothion, Mevinphos	UJ

- Naled and Dichlorvos results were rejected due to extremely low recoveries.

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.6 Organochlorinated Pesticides by SW846 8081A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated, and all QC criteria were met.

2ND Column Confirmation

The percent difference QC criteria between columns for analyte concentrations were met with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-03	QG3005	Endosulfan II	J
	QG3006	Gamma-BHC (Lindane), Endrin	J
	QG3005, QG3006	4,4'-DDD, Heptachlor epoxide	
IASPOW-04	QG0030	4,4'-DDT	J

SDG	Samples Affected	Compound(s)	Validation Qualifier
IAPSOW-05	QG3004	Heptachlor epoxide, alpha-Chlordane, gamma-Chlordane	J

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.7 Herbicides by SW846 8151A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exception(s):

SDG	Samples Affected	Compound(s)	Validation Qualifier
IASPOW-04	QG0030, QG0031, QG0032	Dinoseb	UJ

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples, and all QC criteria were met.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated, and no problems were identified.

2ND Column Confirmation

The percent difference QC criteria between columns for analyte concentrations were met.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

Attachment A:

Data Validation Qualifier Entry Verification Report

Validation Qualifiers

- U** Not detected. The compound/analyte was analyzed for, but not detected above the associated reporting limit.
- J** The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed.
- B** The concentration reported was detected significantly above the levels reported in the associated equipment rinse samples and/or laboratory method and trip blanks. (5X/10X Rule was applied).
- R** The reported sample results are rejected due to the following:
1. Severe deficiencies in the supporting quality control data.
 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data.
 3. The presence or absence of the constituent cannot be verified based on the data provided.
 4. To indicate not to use a particular result in the event of a reanalysis.
- UJ** The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the "nondetect" may be inaccurate or imprecise. The nondetect result should be estimated.

Validation Reason Code Definitions

Reason Code	Definition
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding time exceeded
02A	Extraction
02B	Analysis
03	Instrument performance – outside criteria
03A	BFB
03B	DFTTP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	Retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient >0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits
10A	Recovery
10B	Retention time
11	Laboratory control sample recoveries outside specified limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantitation
16	Multiple results available; alternate analysis preferred
17	Field duplicate RPD criteria is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgement was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantitation
24	Reported result and/or lab qualifier revised to reflect validation findings

Validation Qualifier Data Entry Verification

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-03																
QG3005	SW8081A	SW3520	N 0 .99	4,4'-DDD	.00015	mg/L	J	Y Y P	J		15	18			02I184-01	22:09
				4,4'-DDE	.0002	mg/L	U	N Y U	U						02I184-01	22:09
				4,4'-DDT	.0002	mg/L	U	N Y U	U						02I184-01	22:09
				ALDRIN	.000099	mg/L	U	N Y U	U						02I184-01	22:09
				ALPHA-BHC	.000099	mg/L	U	N Y U	U						02I184-01	22:09
				ALPHA-CHLORDANE	.000047	mg/L	J	Y Y P	J	15					02I184-01	22:09
				BETA-BHC	.000099	mg/L	U	N Y U	U						02I184-01	22:09
				DELTA-BHC	.000099	mg/L	U	N Y U	U						02I184-01	22:09
				DIELDRIN	.0002	mg/L	U	N Y U	U						02I184-01	22:09
				ENDOSULFAN I	.000025	mg/L	J	Y Y P	J	15					02I184-01	22:09
				ENDOSULFAN II	.000025	mg/L	J	Y Y P	J	15	18				02I184-01	22:09
				ENDOSULFAN SULFATE	.0002	mg/L	U	N Y U	U						02I184-01	22:09
				ENDRIN	.00016	mg/L	J	Y Y P	J	15					02I184-01	22:09
				ENDRIN ALDEHYDE	.0002	mg/L	U	N Y U	U						02I184-01	22:09
				ENDRIN KETONE	.0002	mg/L	U	N Y U	U						02I184-01	22:09
				GAMMA-BHC (LINDANE)	.000021	mg/L	J	Y Y P	J	15					02I184-01	22:09
				GAMMA-CHLORDANE	.000081	mg/L	J	Y Y P	J	15					02I184-01	22:09
				HEPTACHLOR	.000099	mg/L	U	N Y U	U						02I184-01	22:09
				HEPTACHLOR EPOXIDE	.000032	mg/L	J	Y Y P	J	15	18				02I184-01	22:09
				METHOXYCHLOR	.00099	mg/L	U	N Y U	U						02I184-01	22:09
				TOXAPHENE	.003	mg/L	U	N Y U	U						02I184-01	22:09
QG3006	SW8081A	SW3520	N 0 1	4,4'-DDD	.00011	mg/L	J	Y Y P	J	15	18				02I184-02	23:25
				4,4'-DDE	.0002	mg/L	U	N Y	U						02I184-02	23:25
				4,4'-DDT	.0002	mg/L	U	N Y	U						02I184-02	23:25
				ALDRIN	.0001	mg/L	U	N Y	U						02I184-02	23:25
				ALPHA-BHC	.0001	mg/L	U	N Y	U						02I184-02	23:25
				ALPHA-CHLORDANE	.000035	mg/L	J	Y Y P	J	15					02I184-02	23:25
				BETA-BHC	.0001	mg/L	U	N Y	U						02I184-02	23:25
				DELTA-BHC	.0001	mg/L	U	N Y	U						02I184-02	23:25
				DIELDRIN	.0002	mg/L	U	N Y	U						02I184-02	23:25
				ENDOSULFAN I	.0001	mg/L	U	N Y	U						02I184-02	23:25
				ENDOSULFAN II	.0002	mg/L	U	N Y	U						02I184-02	23:25
				ENDOSULFAN SULFATE	.0002	mg/L	U	N Y	U						02I184-02	23:25
				ENDRIN	.00016	mg/L	J	Y Y P	J	15	18				02I184-02	23:25
				ENDRIN ALDEHYDE	.0002	mg/L	U	N Y	U						02I184-02	23:25
				ENDRIN KETONE	.0002	mg/L	U	N Y	U						02I184-02	23:25
				GAMMA-BHC (LINDANE)	.000023	mg/L	J	Y Y P	J	15	18				02I184-02	23:25
				GAMMA-CHLORDANE	.000092	mg/L	J	Y Y P	J	15					02I184-02	23:25
				HEPTACHLOR	.0001	mg/L	U	N Y	U						02I184-02	23:25
				HEPTACHLOR EPOXIDE	.000028	mg/L	J	Y Y P	J	15	18				02I184-02	23:25

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
															1	2	3	4		
IASPOW-03																				
QG3006	SW8081A	SW3520	N	0	1	METHOXYCHLOR	.001	mg/L	U	N	Y		U						02I184-02	23:25
						TOXAPHENE	.003	mg/L	U	N	Y		U						02I184-02	23:25
QG3005	SW8330	METHOD	N	0	1	1,3,5-TNB	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						1,3-DNB	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						2,4,6-TNT	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						2,4-DNT	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						2,6-DNT	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						2-AM-4,6-DNT	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						2-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						3-NITROTOLUENE	.0006	mg/L	U	N	Y	U	U						02I184-01	22:58
						4-AM-2,6-DNT	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						4-NITROTOLUENE	.0006	mg/L	U	N	Y	U	U						02I184-01	22:58
						HMX	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						NITROBENZENE	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						RDX	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
						TETRYL	.0004	mg/L	U	N	Y	U	U						02I184-01	22:58
QG3006	SW8330	METHOD	N	0	1	1,3,5-TNB	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						1,3-DNB	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						2,4,6-TNT	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						2,4-DNT	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						2,6-DNT	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						2-AM-4,6-DNT	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						2-NITROTOLUENE	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						3-NITROTOLUENE	.0006	mg/L	U	N	Y		U						02I184-02	00:47
						4-AM-2,6-DNT	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						4-NITROTOLUENE	.0006	mg/L	U	N	Y		U						02I184-02	00:47
						HMX	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						NITROBENZENE	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						RDX	.0004	mg/L	U	N	Y		U						02I184-02	00:47
						TETRYL	.0004	mg/L	U	N	Y		U						02I184-02	00:47
QG3005	SW8141A	SW3520	N	0	.97	AZINPHOS-METHYL	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09
						BOLSTAR	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09
						CHLORPYRIFOS	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09
						COUMAPHOS	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09
						DEMETON (TOTAL)	.00097	mg/L	U	N	Y	U	UJ		11A				02I184-01	22:09
						DIAZINON	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09
						DICHLORVOS	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09
						DIMETHOATE	.00097	mg/L	U	N	Y	U	UJ		05B				02I184-01	22:09
						DISULFOTON	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09
						ETHOPROP	.00097	mg/L	U	N	Y	U	U						02I184-01	22:09

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
												Qlfr	Code:	1	2	3	4		
IASPOW-03																			
QG3005	SW8141A	SW3520	N	0	.97	FAMPHUR	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						FENSULFOTHION	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						FENTHION	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						MALATHION	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						MERPHOS	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						METHYL PARATHION	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						MEVINPHOS	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						NALED	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						PARATHION	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						PHORATE	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						RONNEL	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						STIROPHOS	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						SULFOTEPP	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						THIONAZIN	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						TOKUTHION	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
						TRICHLORONATE	.00097	mg/L	U	N	Y	U	U					02I184-01	22:09
QG3006	SW8141A	SW3520	N	0	.96	AZINPHOS-METHYL	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						BOLSTAR	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						CHLORPYRIFOS	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						COUMAPHOS	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						DEMETON (TOTAL)	.00096	mg/L	U	N	Y		UJ		11A			02I184-02	00:40
						DIAZINON	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						DICHLORVOS	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						DIMETHOATE	.00096	mg/L	U	N	Y		UJ		05B			02I184-02	00:40
						DISULFOTON	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						ETHOPROP	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						FAMPHUR	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						FENSULFOTHION	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						FENTHION	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						MALATHION	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						MERPHOS	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						METHYL PARATHION	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						MEVINPHOS	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						NALED	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						PARATHION	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						PHORATE	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						RONNEL	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						STIROPHOS	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						SULFOTEPP	.00096	mg/L	U	N	Y		U					02I184-02	00:40
						THIONAZIN	.00096	mg/L	U	N	Y		U					02I184-02	00:40

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-03																	
QG3006	SW8141A	SW3520	N 0 .96	TOKUTHION	.00096	mg/L	U	N	Y	U						02H84-02	00:40
				TRICHLORONATE	.00096	mg/L	U	N	Y	U						02H84-02	00:40
IASPOW-04																	
QG0030	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					02J019-01	19:32
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					02J019-01	19:32
				2,4-D	.012	mg/kg	U	N	Y	U	U					02J019-01	19:32
				2,4-DB	.024	mg/kg	U	N	Y	U	U					02J019-01	19:32
				DALAPON	.024	mg/kg	U	N	Y	U	U					02J019-01	19:32
				DICAMBA	.024	mg/kg	U	N	Y	U	U					02J019-01	19:32
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					02J019-01	19:32
				DINOSEB	.012	mg/kg	U	N	Y	U	UJ		05B			02J019-01	19:32
				MCPA	2.4	mg/kg	U	N	Y	U	U					02J019-01	19:32
				MCPD	2.4	mg/kg	U	N	Y	U	U					02J019-01	19:32
QG0031	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y	U	U					02J019-02	20:01
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y	U	U					02J019-02	20:01
				2,4-D	.012	mg/kg	U	N	Y	U	U					02J019-02	20:01
				2,4-DB	.024	mg/kg	U	N	Y	U	U					02J019-02	20:01
				DALAPON	.024	mg/kg	U	N	Y	U	U					02J019-02	20:01
				DICAMBA	.024	mg/kg	U	N	Y	U	U					02J019-02	20:01
				DICHLOROPROP	.012	mg/kg	U	N	Y	U	U					02J019-02	20:01
				DINOSEB	.012	mg/kg	U	N	Y	U	UJ		05B			02J019-02	20:01
				MCPA	2.4	mg/kg	U	N	Y	U	U					02J019-02	20:01
				MCPD	2.4	mg/kg	U	N	Y	U	U					02J019-02	20:01
QG0032	SW8151A	METHOD	N 0 1	2,4,5-T	.012	mg/kg	U	N	Y		U					02J019-03	21:28
				2,4,5-TP(SILVEX)	.012	mg/kg	U	N	Y		U					02J019-03	21:28
				2,4-D	.012	mg/kg	U	N	Y		U					02J019-03	21:28
				2,4-DB	.024	mg/kg	U	N	Y		U					02J019-03	21:28
				DALAPON	.024	mg/kg	U	N	Y		U					02J019-03	21:28
				DICAMBA	.024	mg/kg	U	N	Y		U					02J019-03	21:28
				DICHLOROPROP	.012	mg/kg	U	N	Y		U					02J019-03	21:28
				DINOSEB	.012	mg/kg	U	N	Y		UJ		05B			02J019-03	21:28
				MCPA	2.4	mg/kg	U	N	Y		U					02J019-03	21:28
				MCPD	2.4	mg/kg	U	N	Y		U					02J019-03	21:28
QG0030	SW8081A	SW3550	N 0 1	4,4'-DDD	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
				4,4'-DDE	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
				4,4'-DDT	.00089	mg/kg	J	Y	Y	P	J		15	18		02J019-01	19:08
				ALDRIN	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
				ALPHA-BHC	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
				ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08

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Sample Number:	Analytical/Extraction Method:		Flt	REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
												Qlfr	Code:	1	2	3	4		
IASPOW-04																			
QG0030	SW8081A	SW3550	N	0	1	BETA-BHC	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						DELTA-BHC	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						DIELDRIN	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
						ENDOSULFAN I	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						ENDOSULFAN II	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
						ENDOSULFAN SULFATE	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
						ENDRIN	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
						ENDRIN ALDEHYDE	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
						ENDRIN KETONE	.0048	mg/kg	U	N	Y	U	U					02J019-01	19:08
						GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						HEPTACHLOR	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						METHOXYCHLOR	.024	mg/kg	U	N	Y	U	U					02J019-01	19:08
						TOXAPHENE	.048	mg/kg	U	N	Y	U	U					02J019-01	19:08
QG0031	SW8081A	SW3550	N	0	1	4,4'-DDD	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						4,4'-DDE	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						4,4'-DDT	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ALDRIN	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ALPHA-BHC	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ALPHA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						BETA-BHC	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						DELTA-BHC	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						DIELDRIN	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ENDOSULFAN I	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ENDOSULFAN II	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ENDOSULFAN SULFATE	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ENDRIN	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ENDRIN ALDEHYDE	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						ENDRIN KETONE	.0049	mg/kg	U	N	Y	U	U					02J019-02	19:33
						GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						GAMMA-CHLORDANE	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						HEPTACHLOR	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						METHOXYCHLOR	.024	mg/kg	U	N	Y	U	U					02J019-02	19:33
						TOXAPHENE	.049	mg/kg	U	N	Y	U	U					02J019-02	19:33
QG0032	SW8081A	SW3550	N	0	1	4,4'-DDD	.0048	mg/kg	U	N	Y		U				02J019-03	20:49	
						4,4'-DDE	.0048	mg/kg	U	N	Y		U					02J019-03	20:49
						4,4'-DDT	.0048	mg/kg	U	N	Y		U					02J019-03	20:49
						ALDRIN	.0024	mg/kg	U	N	Y		U					02J019-03	20:49

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											1	2	3	4		
IASPOW-04																
QG0032	SW8081A	SW3550	N 0 1	ALPHA-BHC	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				ALPHA-CHLORDANE	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				BETA-BHC	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				DELTA-BHC	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				DIELDRIN	.0048	mg/kg	U	N Y	U						02J019-03	20:49
				ENDOSULFAN I	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				ENDOSULFAN II	.0048	mg/kg	U	N Y	U						02J019-03	20:49
				ENDOSULFAN SULFATE	.0048	mg/kg	U	N Y	U						02J019-03	20:49
				ENDRIN	.0048	mg/kg	U	N Y	U						02J019-03	20:49
				ENDRIN ALDEHYDE	.0048	mg/kg	U	N Y	U						02J019-03	20:49
				ENDRIN KETONE	.0048	mg/kg	U	N Y	U						02J019-03	20:49
				GAMMA-BHC (LINDANE)	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				GAMMA-CHLORDANE	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				HEPTACHLOR	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				HEPTACHLOR EPOXIDE	.0024	mg/kg	U	N Y	U						02J019-03	20:49
				METHOXYCHLOR	.024	mg/kg	U	N Y	U						02J019-03	20:49
				TOXAPHENE	.048	mg/kg	U	N Y	U						02J019-03	20:49
QG0030	SW6010B	SW3050	N 0 1	ALUMINUM	18700	mg/kg		Y Y P							02J019-01	17:13
				ANTIMONY	12	mg/kg	U	N Y U	UJ		08A				02J019-01	17:13
				ARSENIC	9.35	mg/kg		Y Y P							02J019-01	23:21
				BARIUM	48.9	mg/kg		Y Y P							02J019-01	17:13
				BERYLLIUM	.54	mg/kg	J	Y Y P	J		15				02J019-01	17:13
				CADMIUM	1.2	mg/kg	U	N Y U	U						02J019-01	17:13
				CALCIUM	303	mg/kg		Y Y P							02J019-01	17:13
				CHROMIUM	24	mg/kg		Y Y P							02J019-01	17:13
				COBALT	11.5	mg/kg		Y Y P							02J019-01	17:13
				COPPER	13.6	mg/kg		Y Y P							02J019-01	17:13
				IRON	30500	mg/kg		Y Y P							02J019-01	17:13
				LEAD	52.9	mg/kg		Y Y P							02J019-01	23:21
				MAGNESIUM	538	mg/kg		Y Y P							02J019-01	17:13
				MANGANESE	1420	mg/kg		Y Y P	J		08A 08B				02J019-01	17:13
				NICKEL	8.07	mg/kg		Y Y P							02J019-01	17:13
				POTASSIUM	565	mg/kg	J	Y Y P	J		15				02J019-01	17:13
				SELENIUM	2.08	mg/kg		Y Y P							02J019-01	23:21
				SILVER	2.41	mg/kg	U	N Y U	U						02J019-01	17:13
				SODIUM	23.6	mg/kg	J	Y Y F	B		06B 06C 15				02J019-01	17:13
				THALLIUM	2.41	mg/kg	U	N Y U	U						02J019-01	23:21
				VANADIUM	41.6	mg/kg		Y Y P							02J019-01	17:13
				ZINC	21.8	mg/kg		Y Y P	J		13				02J019-01	17:13
	SW7471A	TOTAL	N 0 1	MERCURY	.0747	mg/kg	J	Y Y P	J		15				02J019-01	15:00

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:			
	Qlfr	Code:	1							2	3	4								
LASPOW-04																				
QG0031	SW6010B	SW3050	N 0 1	ALUMINUM	19500	mg/kg			Y Y P							02J019-02	17:18			
				ANTIMONY	5.39	mg/kg	J	Y Y P	J		08A 15		02J019-02	17:18						
				ARSENIC	11.8	mg/kg		Y Y P					02J019-02	23:27						
				BARIUM	24.9	mg/kg		Y Y P					02J019-02	17:18						
				BERYLLIUM	.436	mg/kg	J	Y Y P	J		15		02J019-02	17:18						
				CADMIUM	1.22	mg/kg	U	N Y U	U				02J019-02	17:18						
				CALCIUM	59.3	mg/kg	J	Y Y P	J		15		02J019-02	17:18						
				CHROMIUM	21.5	mg/kg		Y Y P					02J019-02	17:18						
				COBALT	7.86	mg/kg		Y Y P	J		17		02J019-02	17:18						
				COPPER	10.8	mg/kg		Y Y P					02J019-02	17:18						
				IRON	41000	mg/kg		Y Y P					02J019-02	17:18						
				LEAD	20.3	mg/kg		Y Y P	J		17		02J019-02	23:27						
				MAGNESIUM	413	mg/kg		Y Y P					02J019-02	17:18						
				MANGANESE	306	mg/kg		Y Y P	J		08A 08B 17		02J019-02	17:18						
				NICKEL	6.25	mg/kg		Y Y P					02J019-02	17:18						
				POTASSIUM	465	mg/kg	J	Y Y P	J		15		02J019-02	17:18						
				SELENIUM	2.05	mg/kg		Y Y P					02J019-02	23:27						
				SILVER	2.44	mg/kg	U	N Y U	U				02J019-02	17:18						
				SODIUM	122	mg/kg	U	N Y U	U				02J019-02	17:18						
				THALLIUM	2.44	mg/kg	U	N Y U	U				02J019-02	23:27						
				VANADIUM	53.9	mg/kg		Y Y P					02J019-02	17:18						
				ZINC	19.8	mg/kg		Y Y P	J		13		02J019-02	17:18						
				QG0032	SW7471A	TOTAL	N 0 1	MERCURY	.097	mg/kg	J	Y Y P	J		15				02J019-02	15:02
					SW6010B	SW3050	N 0 1	ALUMINUM	23500	mg/kg		Y Y P							02J019-03	17:23
								ANTIMONY	12.1	mg/kg	U	N Y		UJ		08A		02J019-03	17:23	
								ARSENIC	10.6	mg/kg		Y Y P					02J019-03	23:32		
								BARIUM	31.1	mg/kg		Y Y P					02J019-03	17:23		
BERYLLIUM	.504	mg/kg	J					Y Y P	J		15		02J019-03	17:23						
CADMIUM	1.21	mg/kg	U					N Y		U			02J019-03	17:23						
CALCIUM	78.8	mg/kg	J					Y Y P	J		15		02J019-03	17:23						
CHROMIUM	24.8	mg/kg						Y Y P					02J019-03	17:23						
COBALT	17.5	mg/kg						Y Y P	J		17		02J019-03	17:23						
COPPER	11.6	mg/kg						Y Y P					02J019-03	17:23						
IRON	40600	mg/kg						Y Y P					02J019-03	17:23						
LEAD	38	mg/kg						Y Y P	J		17		02J019-03	23:32						
MAGNESIUM	545	mg/kg						Y Y P					02J019-03	17:23						
MANGANESE	896	mg/kg						Y Y P	J		08A 08B 17		02J019-03	17:23						
NICKEL	7.78	mg/kg		Y Y P					02J019-03	17:23										
POTASSIUM	424	mg/kg	J	Y Y P	J		15		02J019-03	17:23										
SELENIUM	2.39	mg/kg		Y Y P					02J019-03	23:32										

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													Qlfr	Code:	1	2	3	4						
LASPOW-04																								
QG0032	SW6010B	SW3050	N	0	1	SILVER	2.42	mg/kg	U	N	Y		U						02J019-03	17:23				
						SODIUM	26.5	mg/kg	J	Y	Y	F	B		06B	06C	15	02J019-03	17:23					
						THALLIUM	2.42	mg/kg	U	N	Y		U					02J019-03	23:32					
						VANADIUM	54.4	mg/kg		Y	Y	P						02J019-03	17:23					
						ZINC	23.8	mg/kg		Y	Y	P	J		13			02J019-03	17:23					
						MERCURY	.156	mg/kg		Y	Y	P						02J019-03	15:09					
QG0033	SW7471A	TOTAL	N	0	1																			
	SW6010B	SW3050	N	0	1	ALUMINUM	17100	mg/kg		Y	Y	P						02J019-04	17:58					
						ANTIMONY	5.41	mg/kg	J	Y	Y	P	J		08A	15	02J019-04	17:58						
						ARSENIC	8.68	mg/kg		Y	Y	P						02J019-04	00:13					
						BARIUM	88.9	mg/kg		Y	Y	P						02J019-04	17:58					
						BERYLLIUM	.757	mg/kg	J	Y	Y	P	J		15			02J019-04	17:58					
						CADMIUM	1.19	mg/kg	U	N	Y	U	U					02J019-04	17:58					
						CALCIUM	532	mg/kg		Y	Y	P						02J019-04	17:58					
						CHROMIUM	19.1	mg/kg		Y	Y	P						02J019-04	17:58					
						COBALT	9.14	mg/kg		Y	Y	P						02J019-04	17:58					
						COPPER	200	mg/kg		Y	Y	P						02J019-04	17:58					
						IRON	26400	mg/kg		Y	Y	P						02J019-04	17:58					
						LEAD	809	mg/kg		Y	Y	P						02J019-04	00:13					
						MAGNESIUM	571	mg/kg		Y	Y	P						02J019-04	17:58					
						MANGANESE	1780	mg/kg		Y	Y	P	J		08A	08B		02J019-04	17:58					
						NICKEL	8.63	mg/kg		Y	Y	P						02J019-04	17:58					
						POTASSIUM	541	mg/kg	J	Y	Y	P	J		15			02J019-04	17:58					
						SELENIUM	1.33	mg/kg		Y	Y	F	B		06B			02J019-04	00:13					
						SILVER	2.38	mg/kg	U	N	Y	U	U					02J019-04	17:58					
						SODIUM	26.1	mg/kg	J	Y	Y	F	B		06B	06C	15	02J019-04	17:58					
						THALLIUM	2.38	mg/kg	U	N	Y	U	U					02J019-04	00:13					
						VANADIUM	35.9	mg/kg		Y	Y	P						02J019-04	17:58					
						ZINC	43.8	mg/kg		Y	Y	P	J		13			02J019-04	17:58					
						SW7471A	TOTAL	N	0	1	MERCURY	.0606	mg/kg	J	Y	Y	P	J		15		02J019-04	15:11	
						QG0034	SW6010B	SW3050	N	0	1	ALUMINUM	21200	mg/kg		Y	Y	P					02J019-05	18:02
												ANTIMONY	12.3	mg/kg	U	N	Y	U	UJ		08A		02J019-05	18:02
												ARSENIC	9.69	mg/kg		Y	Y	P					02J019-05	00:18
BARIUM	29.9	mg/kg		Y	Y							P					02J019-05	18:02						
BERYLLIUM	.511	mg/kg	J	Y	Y							P	J		15		02J019-05	18:02						
CADMIUM	1.23	mg/kg	U	N	Y							U	U				02J019-05	18:02						
CALCIUM	115	mg/kg	J	Y	Y							P	J		15		02J019-05	18:02						
CHROMIUM	36.2	mg/kg		Y	Y							P					02J019-05	18:02						
COBALT	10.6	mg/kg		Y	Y							P					02J019-05	18:02						
COPPER	13.4	mg/kg		Y	Y							P					02J019-05	18:02						
IRON	42400	mg/kg		Y	Y							P					02J019-05	18:02						

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											1	2	3	4		
IASPOW-04																
QG0034	SW6010B	SW3050	N 0 1	LEAD	30.4	mg/kg		Y Y P							02J019-05	00:18
				MAGNESIUM	465	mg/kg		Y Y P							02J019-05	18:02
				MANGANESE	583	mg/kg		Y Y P	J		08A	08B			02J019-05	18:02
				NICKEL	7.08	mg/kg		Y Y P							02J019-05	18:02
				POTASSIUM	442	mg/kg	J	Y Y P	J		15				02J019-05	18:02
				SELENIUM	2.07	mg/kg		Y Y P							02J019-05	00:18
				SILVER	2.46	mg/kg	U	N Y U	U						02J019-05	18:02
				SODIUM	25.4	mg/kg	J	Y Y F	B		06B	06C	15		02J019-05	18:02
				THALLIUM	2.46	mg/kg	U	N Y U	U						02J019-05	00:18
				VANADIUM	57.2	mg/kg		Y Y P							02J019-05	18:02
				ZINC	22.6	mg/kg		Y Y P	J		13				02J019-05	18:02
	SW7471A	TOTAL	N 0 1	MERCURY	.157	mg/kg		Y Y P							02J019-05	15:13
QG0035	SW6010B	SW3050	N 0 1	ALUMINUM	22100	mg/kg		Y Y P							02J019-06	18:07
				ANTIMONY	11.6	mg/kg	U	N Y U	UJ		08A				02J019-06	18:07
				ARSENIC	8.24	mg/kg		Y Y P							02J019-06	00:24
				BARIUM	41.9	mg/kg		Y Y P							02J019-06	18:07
				BERYLLIUM	.469	mg/kg	J	Y Y P	J		15				02J019-06	18:07
				CADMIUM	1.16	mg/kg	U	N Y U	U						02J019-06	18:07
				CALCIUM	215	mg/kg		Y Y P							02J019-06	18:07
				CHROMIUM	22	mg/kg		Y Y P							02J019-06	18:07
				COBALT	10.8	mg/kg		Y Y P							02J019-06	18:07
				COPPER	12.1	mg/kg		Y Y P							02J019-06	18:07
				IRON	30300	mg/kg		Y Y P							02J019-06	18:07
				LEAD	42.8	mg/kg		Y Y P							02J019-06	00:24
				MAGNESIUM	631	mg/kg		Y Y P							02J019-06	18:07
				MANGANESE	926	mg/kg		Y Y P	J		08A	08B			02J019-06	18:07
				NICKEL	9.4	mg/kg		Y Y P							02J019-06	18:07
				POTASSIUM	540	mg/kg	J	Y Y P	J		15				02J019-06	18:07
				SELENIUM	1.71	mg/kg		Y Y P							02J019-06	00:24
				SILVER	2.33	mg/kg	U	N Y U	U						02J019-06	18:07
				SODIUM	25.5	mg/kg	J	Y Y F	B		06B	06C	15		02J019-06	18:07
				THALLIUM	2.33	mg/kg	U	N Y U	U						02J019-06	00:24
				VANADIUM	43.9	mg/kg		Y Y P							02J019-06	18:07
				ZINC	24.9	mg/kg		Y Y P	J		13				02J019-06	18:07
	SW7471A	TOTAL	N 0 1	MERCURY	.0947	mg/kg	J	Y Y P	J		15				02J019-06	15:16
QG0036	SW6010B	SW3050	N 0 1	ALUMINUM	16100	mg/kg		Y Y P							02J019-07	18:12
				ANTIMONY	12.2	mg/kg	U	N Y U	UJ		08A				02J019-07	18:12
				ARSENIC	8.92	mg/kg		Y Y P							02J019-07	00:29
				BARIUM	19.6	mg/kg		Y Y P							02J019-07	18:12
				BERYLLIUM	1.22	mg/kg	U	N Y U	U						02J019-07	18:12

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:			
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4					
IASPOW-04																					
QG0036	SW6010B	SW3050	N 0 1	CADMIUM	1.22	mg/kg	U	N	Y	U	U					02J019-07	18:12				
				CALCIUM	52.5	mg/kg	J	Y	Y	P	J	15				02J019-07	18:12				
				CHROMIUM	22.9	mg/kg		Y	Y	P							02J019-07	18:12			
				COBALT	3.03	mg/kg		Y	Y	P							02J019-07	18:12			
				COPPER	11.6	mg/kg		Y	Y	P							02J019-07	18:12			
				IRON	35600	mg/kg		Y	Y	P							02J019-07	18:12			
				LEAD	14	mg/kg		Y	Y	P							02J019-07	00:29			
				MAGNESIUM	317	mg/kg		Y	Y	P							02J019-07	18:12			
				MANGANESE	98.1	mg/kg		Y	Y	P	J	08A	08B				02J019-07	18:12			
				NICKEL	4.47	mg/kg		Y	Y	P							02J019-07	18:12			
				POTASSIUM	436	mg/kg	J	Y	Y	P	J	15					02J019-07	18:12			
				SELENIUM	1.61	mg/kg		Y	Y	P							02J019-07	00:29			
				SILVER	2.43	mg/kg	U	N	Y	U	U						02J019-07	18:12			
				SODIUM	122	mg/kg	U	N	Y	U	U						02J019-07	18:12			
				THALLIUM	2.43	mg/kg	U	N	Y	U	U						02J019-07	00:29			
				VANADIUM	51.6	mg/kg		Y	Y	P							02J019-07	18:12			
				ZINC	20.5	mg/kg		Y	Y	P	J	13					02J019-07	18:12			
				QG0030	SW7471A	TOTAL	N 0 1	MERCURY	.0909	mg/kg	J	Y	Y	P	J	15				02J019-07	15:18
					SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					02J019-01	23:32
								1,3-DNB	.4	mg/kg	U	N	Y	U	U					02J019-01	23:32
2,4,6-TNT	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
2,4-DNT	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
2,6-DNT	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
2-AM-4,6-DNT	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
2-NITROTOLUENE	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
3-NITROTOLUENE	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
4-AM-2,6-DNT	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
4-NITROTOLUENE	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
HMX	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
NITROBENZENE	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
RDX	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
TETRYL	.4	mg/kg	U					N	Y	U	U					02J019-01	23:32				
QG0031	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				
				1,3-DNB	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				
				2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				
				2,4-DNT	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				
				2,6-DNT	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				
				2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				
				2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				
				3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					02J019-02	00:00				

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Sample Number:	Analytical/Extraction Method:	Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
LASPOW-04																
QG0031	SW8330	METHOD	N	0	1	4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U		02J019-02	00:00
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U		02J019-02	00:00
						HMX	.4	mg/kg	U	N	Y	U	U		02J019-02	00:00
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U		02J019-02	00:00
						RDX	.4	mg/kg	U	N	Y	U	U		02J019-02	00:00
						TETRYL	.4	mg/kg	U	N	Y	U	U		02J019-02	00:00
QG0032	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						1,3-DNB	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						2,4,6-TNT	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						2,4-DNT	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						2,6-DNT	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						2-NITROTOLUENE	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						3-NITROTOLUENE	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						4-NITROTOLUENE	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						HMX	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						NITROBENZENE	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						RDX	.4	mg/kg	U	N	Y		U		02J019-03	01:27
						TETRYL	.4	mg/kg	U	N	Y		U		02J019-03	01:27
QG0030	SW8141A	SW3545	N	0	1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						BOLSTAR	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						CHLORPYRIFOS	.081	mg/kg	U	N	Y	U	U		02J019-01	23:47
						COUMAPHOS	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						DEMETON (TOTAL)	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						DIAZINON	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						DICHLORVOS	.081	mg/kg	U	N	Y	U	R	08A 11A	02J019-01	23:47
						DIMETHOATE	.081	mg/kg	U	N	Y	U	U		02J019-01	23:47
						DISULFOTON	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						ETHOPROP	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						FAMPHUR	.081	mg/kg	U	N	Y	U	U		02J019-01	23:47
						FENSULFOTHION	.081	mg/kg	U	N	Y	U	U		02J019-01	23:47
						FENTHION	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						MALATHION	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						MERPHOS	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						METHYL PARATHION	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						MEVINPHOS	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						NALED	.04	mg/kg	U	N	Y	U	R	05B 08A 11A	02J019-01	23:47
						PARATHION	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47
						PHORATE	.04	mg/kg	U	N	Y	U	U		02J019-01	23:47

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-04																	
QG0030	SW8141A	SW3545	N 0 1	RONNEL	.04	mg/kg	U	N	Y	U	U					02J019-01	23:47
				STIROPHOS	.04	mg/kg	U	N	Y	U	U					02J019-01	23:47
				SULFOTEPP	.04	mg/kg	U	N	Y	U	U					02J019-01	23:47
				THIONAZIN	.04	mg/kg	U	N	Y	U	U					02J019-01	23:47
				TOKUTHION	.04	mg/kg	U	N	Y	U	U					02J019-01	23:47
				TRICHLORONATE	.04	mg/kg	U	N	Y	U	U					02J019-01	23:47
QG0031	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				BOLSTAR	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				CHLORPYRIFOS	.082	mg/kg	U	N	Y	U	U					02J019-02	00:18
				COUMAPHOS	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				DEMETON (TOTAL)	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				DIAZINON	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				DICHLORVOS	.082	mg/kg	U	N	Y	U	R	08A	11A			02J019-02	00:18
				DIMETHOATE	.082	mg/kg	U	N	Y	U	U					02J019-02	00:18
				DISULFOTON	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				ETHOPROP	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				FAMPHUR	.082	mg/kg	U	N	Y	U	U					02J019-02	00:18
				FENSULFOTHION	.082	mg/kg	U	N	Y	U	U					02J019-02	00:18
				FENTHION	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				MALATHION	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				MERPHOS	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				METHYL PARATHION	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				MEVINPHOS	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				NALED	.04	mg/kg	U	N	Y	U	R	05B	08A	11A		02J019-02	00:18
				PARATHION	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				PHORATE	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				RONNEL	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				STIROPHOS	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				SULFOTEPP	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				THIONAZIN	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				TOKUTHION	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
				TRICHLORONATE	.04	mg/kg	U	N	Y	U	U					02J019-02	00:18
QG0032	SW8141A	SW3545	N 0 1	AZINPHOS-METHYL	.04	mg/kg	U	N	Y		U					02J019-03	02:48
				BOLSTAR	.04	mg/kg	U	N	Y		U					02J019-03	02:48
				CHLORPYRIFOS	.081	mg/kg	U	N	Y		U					02J019-03	02:48
				COUMAPHOS	.04	mg/kg	U	N	Y		U					02J019-03	02:48
				DEMETON (TOTAL)	.04	mg/kg	U	N	Y		U					02J019-03	02:48
				DIAZINON	.04	mg/kg	U	N	Y		U					02J019-03	02:48
				DICHLORVOS	.081	mg/kg	U	N	Y		R	08A	11A			02J019-03	02:48
				DIMETHOATE	.081	mg/kg	U	N	Y		U					02J019-03	02:48

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-04																
QG0032	SW8141A	SW3545	N 0 1	DISULFOTON	.04	mg/kg	U	N Y	U						02J019-03	02:48
				ETHOPROP	.04	mg/kg	U	N Y	U						02J019-03	02:48
				FAMPHUR	.081	mg/kg	U	N Y	U						02J019-03	02:48
				FENSULFOTHION	.081	mg/kg	U	N Y	U						02J019-03	02:48
				FENTHION	.04	mg/kg	U	N Y	U						02J019-03	02:48
				MALATHION	.04	mg/kg	U	N Y	U						02J019-03	02:48
				MERPHOS	.04	mg/kg	U	N Y	U						02J019-03	02:48
				METHYL PARATHION	.04	mg/kg	U	N Y	U						02J019-03	02:48
				MEVINPHOS	.04	mg/kg	U	N Y	U						02J019-03	02:48
				NALED	.04	mg/kg	U	N Y	R		05B	08A	11A		02J019-03	02:48
				PARATHION	.04	mg/kg	U	N Y	U						02J019-03	02:48
				PHORATE	.04	mg/kg	U	N Y	U						02J019-03	02:48
				RONNEL	.04	mg/kg	U	N Y	U						02J019-03	02:48
				STIROPHOS	.04	mg/kg	U	N Y	U						02J019-03	02:48
				SULFOTEPP	.04	mg/kg	U	N Y	U						02J019-03	02:48
				THIONAZIN	.04	mg/kg	U	N Y	U						02J019-03	02:48
				TOKUTHION	.04	mg/kg	U	N Y	U						02J019-03	02:48
				TRICHLORONATE	.04	mg/kg	U	N Y	U						02J019-03	02:48
QG0030	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				1,2-DICHLOROBENZENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2,4,6-TRICHLOROPHENOL	.76	mg/kg	U	N Y U	U						02J019-01	21:11
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2,4-DINITROPHENOL	.76	mg/kg	U	N Y U	U						02J019-01	21:11
				2,4-DINITROTOLUENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2,6-DINITROTOLUENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2-CHLOROPHENOL	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2-METHYLPHENOL	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				2-NITROANILINE	.76	mg/kg	U	N Y U	U						02J019-01	21:11
				2-NITROPHENOL	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				3,3'-DICHLOROBENZIDINE	.76	mg/kg	U	N Y U	U						02J019-01	21:11
				3-NITROANILINE	.76	mg/kg	U	N Y U	U						02J019-01	21:11
				4,6-DINITRO-2-METHYLPHENOL	.76	mg/kg	U	N Y U	U						02J019-01	21:11
				4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N Y U	U						02J019-01	21:11
				4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N Y U	U						02J019-01	21:11

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Qlfr	Code:									1	2	3	4				
IASPOW-04																		
QG0030	SW8270C	SW3550	N 0 1	4-CHLOROANILINE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				4-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				4-NITROANILINE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				4-NITROPHENOL	.76	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				ACENAPHTHENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				ANTHRACENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U	UJ		05B			02J019-01	21:11	
				BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				CARBAZOLE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				CHRYSENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				DIBENZOFURAN	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				FLUORENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				ISOPHORONE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				NAPHTHALENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				PENTACHLOROPHENOL	.76	mg/kg	U	N	Y	U	U					02J019-01	21:11	
				PHENANTHRENE	.4	mg/kg	U	N	Y	U	U					02J019-01	21:11	

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Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
													Qlfr	Code:	1	2	3	4		
IASPOW-04																				
QG0030	SW8270C	SW3550	N	0	1	PHENOL	.4	mg/kg	U	N	Y	U	U						02J019-01	21:11
						PYRENE	.4	mg/kg	U	N	Y	U	U						02J019-01	21:11
QG0031	SW8270C	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2,4,6-TRICHLOROPHENOL	.77	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2,4-DINITROPHENOL	.77	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2-CHLOROPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2-NITROANILINE	.77	mg/kg	U	N	Y	U	U						02J019-02	21:44
						2-NITROPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						3,3'-DICHLOROBENZIDINE	.77	mg/kg	U	N	Y	U	U						02J019-02	21:44
						3-NITROANILINE	.77	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4,6-DINITRO-2-METHYLPHENOL	.77	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4-CHLOROANILINE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4-METHYLPHENOL	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4-NITROANILINE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						4-NITROPHENOL	.77	mg/kg	U	N	Y	U	U						02J019-02	21:44
						ACENAPHTHENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						ACENAPHTHYLENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						ANTHRACENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BENZO(A)ANTHRACENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BENZO(A)PYRENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BENZO(B)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BENZO(K)FLUORANTHENE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N	Y	U	U						02J019-02	21:44
						BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N	Y	U	UJ		05B				02J019-02	21:44

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
											Qlfr	Code:	1	2	3	4		
IASPOW-04																		
QG0031	SW8270C	SW3550	N 0 1	BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				CARBAZOLE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				CHRYSENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				DIBENZOFURAN	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				DIETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				DIMETHYLPHTHALATE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				FLUORANTHENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				FLUORENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				HEXACHLOROBENZENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				HEXACHLOROETHANE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				ISOPHORONE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				NAPHTHALENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				NITROBENZENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				PENTACHLOROPHENOL	.77	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				PHENANTHRENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				PHENOL	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
				PYRENE	.4	mg/kg	U	N	Y	U	U					02J019-02	21:44	
QG0032	SW8270C	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				1,2-DICHLOROBENZENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				1,3-DICHLOROBENZENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				1,4-DICHLOROBENZENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2,4,5-TRICHLOROPHENOL	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2,4,6-TRICHLOROPHENOL	.76	mg/kg	U	N	Y		U				02J019-03	22:17		
				2,4-DICHLOROPHENOL	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2,4-DIMETHYLPHENOL	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2,4-DINITROPHENOL	.76	mg/kg	U	N	Y		U				02J019-03	22:17		
				2,4-DINITROTOLUENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2,6-DINITROTOLUENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2-CHLORONAPHTHALENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2-CHLOROPHENOL	.4	mg/kg	U	N	Y		U				02J019-03	22:17		
				2-METHYLNAPHTHALENE	.4	mg/kg	U	N	Y		U				02J019-03	22:17		

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
IASPOW-04													
QG0032	SW8270C	SW3550	N 0 1	2-METHYLPHENOL	.4	mg/kg	U	N Y	U			02J019-03	22:17
				2-NITROANILINE	.76	mg/kg	U	N Y	U			02J019-03	22:17
				2-NITROPHENOL	.4	mg/kg	U	N Y	U			02J019-03	22:17
				3,3'-DICHLOROBENZIDINE	.76	mg/kg	U	N Y	U			02J019-03	22:17
				3-NITROANILINE	.76	mg/kg	U	N Y	U			02J019-03	22:17
				4,6-DINITRO-2-METHYLPHENOL	.76	mg/kg	U	N Y	U			02J019-03	22:17
				4-BROMOPHENYL-PHENYL ETHER	.4	mg/kg	U	N Y	U			02J019-03	22:17
				4-CHLORO-3-METHYLPHENOL	.4	mg/kg	U	N Y	U			02J019-03	22:17
				4-CHLOROANILINE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				4-CHLOROPHENYL-PHENYL ETHER	.4	mg/kg	U	N Y	U			02J019-03	22:17
				4-METHYLPHENOL	.4	mg/kg	U	N Y	U			02J019-03	22:17
				4-NITROANILINE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				4-NITROPHENOL	.76	mg/kg	U	N Y	U			02J019-03	22:17
				ACENAPHTHENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				ACENAPHTHYLENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				ANTHRACENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BENZO(A)ANTHRACENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BENZO(A)PYRENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BENZO(B)FLUORANTHENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BENZO(G,H,I)PERYLENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BENZO(K)FLUORANTHENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BIS(2-CHLOROETHOXY)METHANE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BIS(2-CHLOROETHYL)ETHER	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BIS(2-CHLOROISOPROPYL)ETHER	.4	mg/kg	U	N Y	UJ	05B		02J019-03	22:17
				BIS(2-ETHYLHEXYL)PHTHALATE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				BUTYLBENZYLPHTHALATE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				CARBAZOLE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				CHRYSENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				DI-N-BUTYLPHTHALATE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				DI-N-OCTYLPHTHALATE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				DIBENZO(A,H)ANTHRACENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				DIBENZOFURAN	.4	mg/kg	U	N Y	U			02J019-03	22:17
				DIETHYLPHTHALATE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				DIMETHYLPHTHALATE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				FLUORANTHENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				FLUORENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				HEXACHLOROBENZENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				HEXACHLOROBUTADIENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				HEXACHLOROCYCLOPENTADIENE	.4	mg/kg	U	N Y	U			02J019-03	22:17
				HEXACHLOROETHANE	.4	mg/kg	U	N Y	U			02J019-03	22:17

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-04																	
QG0032	SW8270C	SW3550	N 0 1	INDENO(1,2,3-CD)PYRENE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				ISOPHORONE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				N-NITROSO-DI-N-PROPYLAMINE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				N-NITROSODIPHENYLAMINE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				NAPHTHALENE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				NITROBENZENE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				PENTACHLOROPHENOL	.76	mg/kg	U	N	Y	U						02J019-03	22:17
				PHENANTHRENE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				PHENOL	.4	mg/kg	U	N	Y	U						02J019-03	22:17
				PYRENE	.4	mg/kg	U	N	Y	U						02J019-03	22:17
QG0030	SW8260B	SW5035	N 0 .89	1,1,1,2-TETRACHLOROETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,1,1-TRICHLOROETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,1,2,2-TETRACHLOROETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,1,2-TRICHLOROETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,1-DICHLOROETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,1-DICHLOROETHENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,1-DICHLOROPROPENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2,3-TRICHLOROBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2,3-TRICHLOROPROPANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2,4-TRICHLOROBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2,4-TRIMETHYLBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2-DIBROMO-3-CHLOROPROPANE	.011	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2-DIBROMOETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2-DICHLOROBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2-DICHLOROETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,2-DICHLOROPROPANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,3,5-TRIMETHYLBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,3-DICHLOROBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,3-DICHLOROPROPANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				1,4-DICHLOROBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				2,2-DICHLOROPROPANE	.0054	mg/kg	U	N	Y	U	UJ				05B	02J019-01	15:21
				2-BUTANONE	.018	mg/kg	J	Y	Y	P	J				15	02J019-01	15:21
				2-CHLOROTOLUENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				2-HEXANONE	.021	mg/kg	U	N	Y	U	U					02J019-01	15:21
				4-CHLOROTOLUENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				4-METHYL-2-PENTANONE	.021	mg/kg	U	N	Y	U	U					02J019-01	15:21
				ACETONE	.33	mg/kg		Y	Y	P						02J019-01	15:21
				BENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				BROMOBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				BROMOCHLOROMETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-04																	
QG0030	SW8260B	SW5035	N 0 .89	BROMODICHLOROMETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				BROMOFORM	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				BROMOMETHANE	.0054	mg/kg	U	N	Y	U	UJ	05B				02J019-01	15:21
				CARBON DISULFIDE	.0054	mg/kg	U	N	Y	U	UJ	05B				02J019-01	15:21
				CARBON TETRACHLORIDE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				CHLOROBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				CHLOROETHANE	.011	mg/kg	U	N	Y	U	U					02J019-01	15:21
				CHLOROFORM	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				CHLOROMETHANE	.0054	mg/kg	U	N	Y	U	UJ	05B				02J019-01	15:21
				CIS-1,2-DICHLOROETHENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				CIS-1,3-DICHLOROPROPENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				DIBROMOCHLOROMETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				DIBROMOMETHANE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				DICHLORODIFLUOROMETHANE	.011	mg/kg	U	N	Y	U	UJ	05B				02J019-01	15:21
				ETHYLBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				HEXACHLOROBUTADIENE	.0054	mg/kg	U	N	Y	U	UJ	05B				02J019-01	15:21
				ISOPROPYL BENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				M/P-XYLENES	.011	mg/kg	U	N	Y	U	U					02J019-01	15:21
				METHYLENE CHLORIDE	.011	mg/kg	U	N	Y	U	U					02J019-01	15:21
				N-BUTYLBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				N-PROPYLBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				NAPHTHALENE	.011	mg/kg	U	N	Y	U	U					02J019-01	15:21
				O-XYLENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				P-ISOPROPYLTOLUENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				SEC-BUTYLBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				STYRENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				TERT-BUTYLBENZENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				TETRACHLOROETHENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				TOLUENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				TRANS-1,2-DICHLOROETHENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				TRANS-1,3-DICHLOROPROPENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				TRICHLOROETHENE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
				TRICHLOROFLUOROMETHANE	.0029	mg/kg	J	Y	Y	F	B	06A	15			02J019-01	15:21
				VINYL CHLORIDE	.0054	mg/kg	U	N	Y	U	U					02J019-01	15:21
QG0031	SW8260B	SW5035	N 0 .82	1,1,1,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44
				1,1,1-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44
				1,1,2,2-TETRACHLOROETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44
				1,1,2-TRICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44
				1,1-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44
				1,1-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4		
IASPOW-04																		
QG0031	SW8260B	SW5035	N 0 .82	1,1-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2,3-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2,3-TRICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2,4-TRICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2,4-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2-DIBROMOETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2-DICHLOROETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,3,5-TRIMETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,3-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,3-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				1,4-DICHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				2,2-DICHLOROPROPANE	.005	mg/kg	U	N	Y	U	UJ		05B			02J019-02	16:44	
				2-BUTANONE	.02	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				2-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				2-HEXANONE	.02	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				4-CHLOROTOLUENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				4-METHYL-2-PENTANONE	.02	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				ACETONE	.022	mg/kg		Y	Y	P						02J019-02	16:44	
				BENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				BROMOBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				BROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				BROMODICHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				BROMOFORM	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				BROMOMETHANE	.005	mg/kg	U	N	Y	U	UJ		05B			02J019-02	16:44	
				CARBON DISULFIDE	.005	mg/kg	U	N	Y	U	UJ		05B			02J019-02	16:44	
				CARBON TETRACHLORIDE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				CHLOROBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				CHLOROETHANE	.01	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				CHLOROFORM	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				CHLOROMETHANE	.005	mg/kg	U	N	Y	U	UJ		05B			02J019-02	16:44	
				CIS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				CIS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				DIBROMOCHLOROMETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				DIBROMOMETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	U	UJ		05B			02J019-02	16:44	
				ETHYLBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				HEXACHLOROBUTADIENE	.005	mg/kg	U	N	Y	U	UJ		05B			02J019-02	16:44	

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:										Qlfr	Code:	1	2	3	4		
IASPOW-04																		
QG0031	SW8260B	SW5035	N 0 .82	ISOPROPYL BENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				M/P-XYLENES	.01	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				METHYLENE CHLORIDE	.01	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				N-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				N-PROPYLBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				NAPHTHALENE	.01	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				O-XYLENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				P-ISOPROPYLTOLUENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				SEC-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				STYRENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				TERT-BUTYLBENZENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				TETRACHLOROETHENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				TOLUENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				TRANS-1,2-DICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				TRANS-1,3-DICHLOROPROPENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				TRICHLOROETHENE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				TRICHLOROFLUOROMETHANE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
				VINYL CHLORIDE	.005	mg/kg	U	N	Y	U	U					02J019-02	16:44	
QG0032	SW8260B	SW5035	N 0 .85	1,1,1,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,1,1-TRICHLOROETHANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,1,2,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,1,2-TRICHLOROETHANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,1-DICHLOROETHANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,1-DICHLOROETHENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,1-DICHLOROPROPENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2,3-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2,3-TRICHLOROPROPANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2,4-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2,4-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2-DIBROMOETHANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2-DICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2-DICHLOROETHANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,3,5-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,3-DICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,3-DICHLOROPROPANE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				1,4-DICHLOROBENZENE	.0052	mg/kg	U	N	Y		U					02J019-03	16:02	
				2,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y		UJ		05B			02J019-03	16:02	
				2-BUTANONE	.021	mg/kg	U	N	Y		U					02J019-03	16:02	

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Sample Number:	Analytical/Extraction		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
	Method:									Qlfr	Code:	1	2	3	4		
IASPOW-04																	
QG0032	SW8260B	SW5035	N 0 .85	2-CHLOROTOLUENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				2-HEXANONE	.021	mg/kg	U	N	Y	U						02J019-03	16:02
				4-CHLOROTOLUENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				4-METHYL-2-PENTANONE	.021	mg/kg	U	N	Y	U						02J019-03	16:02
				ACETONE	.027	mg/kg		Y	Y	P						02J019-03	16:02
				BENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				BROMOBENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				BROMOCHLOROMETHANE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				BROMODICHLOROMETHANE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				BROMOFORM	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				BROMOMETHANE	.0052	mg/kg	U	N	Y	UJ		05B				02J019-03	16:02
				CARBON DISULFIDE	.0052	mg/kg	U	N	Y	UJ		05B				02J019-03	16:02
				CARBON TETRACHLORIDE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				CHLOROBENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				CHLOROETHANE	.01	mg/kg	U	N	Y	U						02J019-03	16:02
				CHLOROFORM	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				CHLOROMETHANE	.0052	mg/kg	U	N	Y	UJ		05B				02J019-03	16:02
				CIS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				CIS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				DIBROMOCHLOROMETHANE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				DIBROMOMETHANE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N	Y	UJ		05B				02J019-03	16:02
				ETHYLBENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				HEXACHLOROBUTADIENE	.0052	mg/kg	U	N	Y	UJ		05B				02J019-03	16:02
				ISOPROPYL BENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				M/P-XYLENES	.01	mg/kg	U	N	Y	U						02J019-03	16:02
				METHYLENE CHLORIDE	.01	mg/kg	U	N	Y	U						02J019-03	16:02
				N-BUTYLBENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				N-PROPYLBENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				NAPHTHALENE	.01	mg/kg	U	N	Y	U						02J019-03	16:02
				O-XYLENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				P-ISOPROPYLTOLUENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				SEC-BUTYLBENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				STYRENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				TERT-BUTYLBENZENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				TETRACHLOROETHENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				TOLUENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				TRANS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				TRANS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02
				TRICHLOROETHENE	.0052	mg/kg	U	N	Y	U						02J019-03	16:02

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
IASPOW-04																
QG0032	SW8260B	SW5035	N 0 .85	TRICHLOROFLUOROMETHANE	.0052	mg/kg	U	N Y	U						02J019-03	16:02
				VINYL CHLORIDE	.0052	mg/kg	U	N Y	U						02J019-03	16:02
IASPOW-05																
QG3004	SW8081A	SW3520	N 0 .96	4,4'-DDD	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				4,4'-DDE	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				4,4'-DDT	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				ALDRIN	.000096	mg/L	U	N Y	U	U					02J054-03	22:43
				ALPHA-BHC	.000096	mg/L	U	N Y	U	U					02J054-03	22:43
				ALPHA-CHLORDANE	.000039	mg/L	J	Y Y	P	J	15	18			02J054-03	22:43
				BETA-BHC	.000096	mg/L	U	N Y	U	U					02J054-03	22:43
				DELTA-BHC	.000096	mg/L	U	N Y	U	U					02J054-03	22:43
				DIELDRIN	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				ENDOSULFAN I	.000096	mg/L	U	N Y	U	U					02J054-03	22:43
				ENDOSULFAN II	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				ENDOSULFAN SULFATE	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				ENDRIN	.000058	mg/L	J	Y Y	P	J	15				02J054-03	22:43
				ENDRIN ALDEHYDE	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				ENDRIN KETONE	.00019	mg/L	U	N Y	U	U					02J054-03	22:43
				GAMMA-BHC (LINDANE)	.000096	mg/L	U	N Y	U	U					02J054-03	22:43
				GAMMA-CHLORDANE	.000037	mg/L	J	Y Y	P	J	15	18			02J054-03	22:43
				HEPTACHLOR	.000096	mg/L	U	N Y	U	U					02J054-03	22:43
				HEPTACHLOR EPOXIDE	.000021	mg/L	J	Y Y	P	J	15	18			02J054-03	22:43
				METHOXYCHLOR	.00096	mg/L	U	N Y	U	U					02J054-03	22:43
				TOXAPHENE	.0029	mg/L	U	N Y	U	U					02J054-03	22:43
QG3004	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				1,3-DNB	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				2,4,6-TNT	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				2,4-DNT	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				2,6-DNT	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				2-AM-4,6-DNT	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				2-NITROTOLUENE	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				3-NITROTOLUENE	.0006	mg/L	U	N Y	U	U					02J054-03	15:21
				4-AM-2,6-DNT	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				4-NITROTOLUENE	.0006	mg/L	U	N Y	U	U					02J054-03	15:21
				HMX	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				NITROBENZENE	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				RDX	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
				TETRYL	.0004	mg/L	U	N Y	U	U					02J054-03	15:21
QG3004	SW8141A	SW3520	N 0 .99	AZINPHOS-METHYL	.00099	mg/L	U	N Y	U	U					02J054-03	20:09

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-05																	
QG3004	SW8141A	SW3520	N 0 .99	BOLSTAR	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				CHLORPYRIFOS	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				COUMAPHOS	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				DEMETON (TOTAL)	.00099	mg/L	U	N	Y	U	UJ	11A	11B			02J054-03	20:09
				DIAZINON	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				DICHLORVOS	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				DIMETHOATE	.00099	mg/L	U	N	Y	U	UJ		05B			02J054-03	20:09
				DISULFOTON	.00099	mg/L	U	N	Y	U	UJ		11A			02J054-03	20:09
				ETHOPROP	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				FAMPHUR	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				FENSULFOTHION	.00099	mg/L	U	N	Y	U	UJ		11B			02J054-03	20:09
				FENTHION	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				MALATHION	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				MERPHOS	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				METHYL PARATHION	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				MEVINPHOS	.00099	mg/L	U	N	Y	U	UJ		11B			02J054-03	20:09
				NALED	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				PARATHION	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				PHORATE	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				RONNEL	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				STIROPHOS	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				SULFOTEPP	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				THIONAZIN	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				TOKUTHION	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
				TRICHLORONATE	.00099	mg/L	U	N	Y	U	U					02J054-03	20:09
IASPOW-06																	
QG0022	SW6010B	SW3050	N 0 1	ALUMINUM	12200	mg/kg		Y	Y	P						02J055-01	23:48
				ANTIMONY	11.7	mg/kg	U	N	Y	U	UJ		08A			02J055-01	23:48
				ARSENIC	4.78	mg/kg		Y	Y	P						02J055-01	17:02
				BARIUM	86.1	mg/kg		Y	Y	P						02J055-01	23:48
				BERYLLIUM	.605	mg/kg	J	Y	Y	P	J		15			02J055-01	23:48
				CADMIUM	1.17	mg/kg	U	N	Y	U	U					02J055-01	23:48
				CALCIUM	369	mg/kg		Y	Y	P						02J055-01	23:48
				CHROMIUM	8.8	mg/kg		Y	Y	P	J		08A			02J055-01	23:48
				COBALT	5.6	mg/kg		Y	Y	P						02J055-01	23:48
				COPPER	74.9	mg/kg		Y	Y	P						02J055-01	23:48
				IRON	14400	mg/kg		Y	Y	P						02J055-01	23:48
				LEAD	422	mg/kg		Y	Y	P						02J055-01	17:02
				MAGNESIUM	471	mg/kg		Y	Y	P						02J055-01	23:48
				MANGANESE	1730	mg/kg		Y	Y	P						02J055-01	23:48

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												1	2	3	4		
IASPOW-06																	
QG0022	SW6010B	SW3050	N 0 1	NICKEL	7.44	mg/kg		Y	Y	P	J	13				02J055-01	23:48
				POTASSIUM	629	mg/kg		Y	Y	P						02J055-01	23:48
				SELENIUM	1.09	mg/kg	J	Y	Y	F	B	06B	08A	15		02J055-01	17:02
				SILVER	2.33	mg/kg	U	N	Y	U	U					02J055-01	23:48
				SODIUM	117	mg/kg	U	N	Y	U	U					02J055-01	23:48
				THALLIUM	2.33	mg/kg	U	N	Y	U	U					02J055-01	17:02
				VANADIUM	19.8	mg/kg		Y	Y	P	J	08A				02J055-01	23:48
				ZINC	27.1	mg/kg		Y	Y	P						02J055-01	23:48
QG0023	SW7471A	TOTAL	N 0 1	MERCURY	.0381	mg/kg	J	Y	Y	F	B	06B	15			02J055-01	17:13
	SW6010B	SW3050	N 0 1	ALUMINUM	22300	mg/kg		Y	Y	P						02J055-02	23:53
				ANTIMONY	11.8	mg/kg	U	N	Y	U	UJ	08A				02J055-02	23:53
				ARSENIC	5.99	mg/kg		Y	Y	P						02J055-02	17:08
				BARIUM	33.1	mg/kg		Y	Y	P						02J055-02	23:53
				BERYLLIUM	.413	mg/kg	J	Y	Y	P	J	15				02J055-02	23:53
				CADMIUM	1.18	mg/kg	U	N	Y	U	U					02J055-02	23:53
				CALCIUM	101	mg/kg	J	Y	Y	P	J	15				02J055-02	23:53
				CHROMIUM	22.7	mg/kg		Y	Y	P	J	08A				02J055-02	23:53
				COBALT	4.49	mg/kg		Y	Y	P						02J055-02	23:53
				COPPER	8.81	mg/kg		Y	Y	P						02J055-02	23:53
				IRON	22900	mg/kg		Y	Y	P						02J055-02	23:53
				LEAD	18.7	mg/kg		Y	Y	P						02J055-02	17:08
				MAGNESIUM	622	mg/kg		Y	Y	P						02J055-02	23:53
				MANGANESE	346	mg/kg		Y	Y	P						02J055-02	23:53
				NICKEL	10.1	mg/kg		Y	Y	P	J	13				02J055-02	23:53
				POTASSIUM	558	mg/kg	J	Y	Y	P	J	15				02J055-02	23:53
				SELENIUM	1.46	mg/kg		Y	Y	F	B	06B	08A			02J055-02	17:08
				SILVER	2.37	mg/kg	U	N	Y	U	U					02J055-02	23:53
				SODIUM	24.7	mg/kg	J	Y	Y	F	B	06C	15			02J055-02	23:53
				THALLIUM	2.37	mg/kg	U	N	Y	U	U					02J055-02	17:08
				VANADIUM	33.4	mg/kg		Y	Y	P	J	08A				02J055-02	23:53
				ZINC	22.3	mg/kg		Y	Y	P						02J055-02	23:53
	SW7471A	TOTAL	N 0 1	MERCURY	.148	mg/kg		Y	Y	P						02J055-02	17:22
QG0024	SW6010B	SW3050	N 0 1	ALUMINUM	23200	mg/kg		Y	Y	P						02J055-03	23:58
				ANTIMONY	12	mg/kg	U	N	Y	U	UJ	08A				02J055-03	23:58
				ARSENIC	7.09	mg/kg		Y	Y	P						02J055-03	17:14
				BARIUM	84.4	mg/kg		Y	Y	P						02J055-03	23:58
				BERYLLIUM	.739	mg/kg	J	Y	Y	P	J	15				02J055-03	23:58
				CADMIUM	1.2	mg/kg	U	N	Y	U	U					02J055-03	23:58
				CALCIUM	470	mg/kg		Y	Y	P						02J055-03	23:58
				CHROMIUM	18.2	mg/kg		Y	Y	P	J	08A				02J055-03	23:58

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											1	2	3	4		
IASPOW-06																
QG0024	SW6010B	SW3050	N 0 1	COBALT	8.82	mg/kg		Y Y P							02J055-03	23:58
				COPPER	38.7	mg/kg		Y Y P							02J055-03	23:58
				IRON	25100	mg/kg		Y Y P							02J055-03	23:58
				LEAD	188	mg/kg		Y Y P							02J055-03	17:14
				MAGNESIUM	865	mg/kg		Y Y P							02J055-03	23:58
				MANGANESE	1620	mg/kg		Y Y P							02J055-03	23:58
				NICKEL	12	mg/kg		Y Y P	J		13				02J055-03	23:58
				POTASSIUM	867	mg/kg		Y Y P							02J055-03	23:58
				SELENIUM	1.25	mg/kg		Y Y F	B		06B	08A			02J055-03	17:14
				SILVER	2.4	mg/kg	U	N Y U	U						02J055-03	23:58
				SODIUM	25	mg/kg	J	Y Y F	B		06C	15			02J055-03	23:58
				THALLIUM	2.4	mg/kg	U	N Y U	U						02J055-03	17:14
				VANADIUM	36.9	mg/kg		Y Y P	J		08A				02J055-03	23:58
				ZINC	32.9	mg/kg		Y Y P							02J055-03	23:58
	SW7471A	TOTAL	N 0 1	MERCURY	.0816	mg/kg	J	Y Y F	B		06B	15			02J055-03	17:24
QG0025	SW6010B	SW3050	N 0 1	ALUMINUM	19600	mg/kg		Y Y P							02J055-04	00:02
				ANTIMONY	11.8	mg/kg	U	N Y U	UJ		08A				02J055-04	00:02
				ARSENIC	4.1	mg/kg		Y Y P							02J055-04	17:19
				BARIUM	29.5	mg/kg		Y Y P							02J055-04	00:02
				BERYLLIUM	1.18	mg/kg	U	N Y U	U						02J055-04	00:02
				CADMIUM	1.18	mg/kg	U	N Y U	U						02J055-04	00:02
				CALCIUM	104	mg/kg	J	Y Y P	J		15				02J055-04	00:02
				CHROMIUM	13	mg/kg		Y Y P	J		08A				02J055-04	00:02
				COBALT	3.65	mg/kg		Y Y P							02J055-04	00:02
				COPPER	8.12	mg/kg		Y Y P							02J055-04	00:02
				IRON	18400	mg/kg		Y Y P							02J055-04	00:02
				LEAD	16.4	mg/kg		Y Y P							02J055-04	17:19
				MAGNESIUM	651	mg/kg		Y Y P							02J055-04	00:02
				MANGANESE	298	mg/kg		Y Y P							02J055-04	00:02
				NICKEL	8.2	mg/kg		Y Y P	J		13				02J055-04	00:02
				POTASSIUM	460	mg/kg	J	Y Y P	J		15				02J055-04	00:02
				SELENIUM	1.59	mg/kg		Y Y F	B		06B	08A			02J055-04	17:19
				SILVER	2.36	mg/kg	U	N Y U	U						02J055-04	00:02
				SODIUM	24	mg/kg	J	Y Y F	B		06C	15			02J055-04	00:02
				THALLIUM	2.36	mg/kg	U	N Y U	U						02J055-04	17:19
				VANADIUM	29.1	mg/kg		Y Y P	J		08A				02J055-04	00:02
				ZINC	21.9	mg/kg		Y Y P							02J055-04	00:02
	SW7471A	TOTAL	N 0 1	MERCURY	.0357	mg/kg	J	Y Y F	B		06B	15			02J055-04	17:27
QG0026	SW6010B	SW3050	N 0 1	ALUMINUM	16800	mg/kg		Y Y P							02J055-05	00:07
				ANTIMONY	11.7	mg/kg	U	N Y U	UJ		08A				02J055-05	00:07

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												1	2	3	4		
IASPOW-06																	
QG0026	SW6010B	SW3050	N 0 1	ARSENIC	5.3	mg/kg		Y	Y	P						02J055-05	17:25
				BARIUM	90.3	mg/kg		Y	Y	P						02J055-05	00:07
				BERYLLIUM	.68	mg/kg	J	Y	Y	P	J	15				02J055-05	00:07
				CADMIUM	1.17	mg/kg	U	N	Y	U	U					02J055-05	00:07
				CALCIUM	332	mg/kg		Y	Y	P						02J055-05	00:07
				CHROMIUM	13.9	mg/kg		Y	Y	P	J	08A				02J055-05	00:07
				COBALT	7.62	mg/kg		Y	Y	P						02J055-05	00:07
				COPPER	132	mg/kg		Y	Y	P						02J055-05	00:07
				IRON	17900	mg/kg		Y	Y	P						02J055-05	00:07
				LEAD	515	mg/kg		Y	Y	P						02J055-05	17:25
				MAGNESIUM	601	mg/kg		Y	Y	P						02J055-05	00:07
				MANGANESE	1600	mg/kg		Y	Y	P						02J055-05	00:07
				NICKEL	8.29	mg/kg		Y	Y	P	J	13				02J055-05	00:07
				POTASSIUM	585	mg/kg		Y	Y	P						02J055-05	00:07
				SELENIUM	1.05	mg/kg	J	Y	Y	F	B	06B	08A	15		02J055-05	17:25
				SILVER	2.33	mg/kg	U	N	Y	U	U					02J055-05	00:07
				SODIUM	117	mg/kg	U	N	Y	U	U					02J055-05	00:07
				THALLIUM	2.33	mg/kg	U	N	Y	U	U					02J055-05	17:25
				VANADIUM	27.2	mg/kg		Y	Y	P	J	08A				02J055-05	00:07
				ZINC	43.1	mg/kg		Y	Y	P						02J055-05	00:07
QG0027	SW7471A	TOTAL	N 0 1	MERCURY	.117	mg/kg	U	N	Y	U	U					02J055-05	17:29
	SW6010B	SW3050	N 0 1	ALUMINUM	17500	mg/kg		Y	Y	P						02J055-06	00:12
				ANTIMONY	11.7	mg/kg	U	N	Y	U	UJ	08A				02J055-06	00:12
				ARSENIC	3.59	mg/kg		Y	Y	P						02J055-06	17:31
				BARIUM	34.5	mg/kg		Y	Y	P						02J055-06	00:12
				BERYLLIUM	1.17	mg/kg	U	N	Y	U	U					02J055-06	00:12
				CADMIUM	1.17	mg/kg	U	N	Y	U	U					02J055-06	00:12
				CALCIUM	66.1	mg/kg	J	Y	Y	P	J	15				02J055-06	00:12
				CHROMIUM	17.5	mg/kg		Y	Y	P	J	08A				02J055-06	00:12
				COBALT	1.98	mg/kg	J	Y	Y	F	B	06B	15			02J055-06	00:12
				COPPER	11.9	mg/kg		Y	Y	P						02J055-06	00:12
				IRON	20000	mg/kg		Y	Y	P						02J055-06	00:12
				LEAD	29.5	mg/kg		Y	Y	P						02J055-06	17:31
				MAGNESIUM	579	mg/kg		Y	Y	P						02J055-06	00:12
				MANGANESE	121	mg/kg		Y	Y	P						02J055-06	00:12
				NICKEL	6.41	mg/kg		Y	Y	P	J	13				02J055-06	00:12
				POTASSIUM	925	mg/kg		Y	Y	P						02J055-06	00:12
				SELENIUM	1.09	mg/kg	J	Y	Y	F	B	06B	08A	15		02J055-06	17:31
				SILVER	2.35	mg/kg	U	N	Y	U	U					02J055-06	00:12
				SODIUM	23.8	mg/kg	J	Y	Y	F	B	06C	15			02J055-06	00:12

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												1	2	3	4		
IASPOW-06																	
QG0027	SW6010B	SW3050	N 0 1	THALLIUM	2.35	mg/kg	U	N	Y	U	U					02J055-06	17:31
				VANADIUM	30.6	mg/kg		Y	Y	P	J		08A			02J055-06	00:12
				ZINC	18.7	mg/kg		Y	Y	P						02J055-06	00:12
	SW7471A	TOTAL	N 0 1	MERCURY	.117	mg/kg	U	N	Y	U	U					02J055-06	17:31
QG0028	SW6010B	SW3050	N 0 1	ALUMINUM	22600	mg/kg		Y	Y	P						02J055-07	00:17
				ANTIMONY	11.8	mg/kg	U	N	Y	U	UJ		08A			02J055-07	00:17
				ARSENIC	6.12	mg/kg		Y	Y	P						02J055-07	17:37
				BARIUM	78	mg/kg		Y	Y	P						02J055-07	00:17
				BERYLLIUM	.703	mg/kg	J	Y	Y	P	J		15			02J055-07	00:17
				CADMIUM	1.18	mg/kg	U	N	Y	U	U					02J055-07	00:17
				CALCIUM	462	mg/kg		Y	Y	P						02J055-07	00:17
				CHROMIUM	20.6	mg/kg		Y	Y	P	J		08A			02J055-07	00:17
				COBALT	7.27	mg/kg		Y	Y	P						02J055-07	00:17
				COPPER	61.1	mg/kg		Y	Y	P						02J055-07	00:17
				IRON	21100	mg/kg		Y	Y	P						02J055-07	00:17
				LEAD	339	mg/kg		Y	Y	P						02J055-07	17:37
				MAGNESIUM	775	mg/kg		Y	Y	P						02J055-07	00:17
				MANGANESE	1040	mg/kg		Y	Y	P						02J055-07	00:17
				NICKEL	11.6	mg/kg		Y	Y	P	J		13			02J055-07	00:17
				POTASSIUM	803	mg/kg		Y	Y	P						02J055-07	00:17
				SELENIUM	1.54	mg/kg		Y	Y	F	B		06B	08A		02J055-07	17:37
				SILVER	2.35	mg/kg	U	N	Y	U	U					02J055-07	00:17
				SODIUM	30.7	mg/kg	J	Y	Y	F	B		06C	15		02J055-07	00:17
				THALLIUM	2.35	mg/kg	U	N	Y	U	U					02J055-07	17:37
				VANADIUM	34.7	mg/kg		Y	Y	P	J		08A			02J055-07	00:17
				ZINC	33.9	mg/kg		Y	Y	P						02J055-07	00:17
	SW7471A	TOTAL	N 0 1	MERCURY	.0675	mg/kg	J	Y	Y	F	B		06B	15		02J055-07	17:33
QG0029	SW6010B	SW3050	N 0 1	ALUMINUM	15600	mg/kg		Y	Y	P						02J055-08	00:31
				ANTIMONY	11.6	mg/kg	U	N	Y	U	UJ		08A			02J055-08	00:31
				ARSENIC	4.26	mg/kg		Y	Y	P						02J055-08	17:54
				BARIUM	28.2	mg/kg		Y	Y	P						02J055-08	00:31
				BERYLLIUM	1.16	mg/kg	U	N	Y	U	U					02J055-08	00:31
				CADMIUM	1.16	mg/kg	U	N	Y	U	U					02J055-08	00:31
				CALCIUM	80.5	mg/kg	J	Y	Y	P	J		15			02J055-08	00:31
				CHROMIUM	18	mg/kg		Y	Y	P	J		08A			02J055-08	00:31
				COBALT	2.28	mg/kg	J	Y	Y	F	B		06B	15		02J055-08	00:31
				COPPER	9.03	mg/kg		Y	Y	P						02J055-08	00:31
				IRON	21000	mg/kg		Y	Y	P						02J055-08	00:31
				LEAD	9.43	mg/kg		Y	Y	P						02J055-08	17:54
				MAGNESIUM	521	mg/kg		Y	Y	P						02J055-08	00:31

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												1	2	3	4		
IASPOW-06																	
QG0029	SW6010B	SW3050	N 0 1	MANGANESE	87	mg/kg		Y	Y	P						02J055-08	00:31
				NICKEL	6.74	mg/kg		Y	Y	P	J	13				02J055-08	00:31
				POTASSIUM	519	mg/kg	J	Y	Y	P	J	15				02J055-08	00:31
				SELENIUM	1.07	mg/kg	J	Y	Y	F	B	06B	08A	15		02J055-08	17:54
				SILVER	2.32	mg/kg	U	N	Y	U	U					02J055-08	00:31
				SODIUM	116	mg/kg	U	N	Y	U	U					02J055-08	00:31
				THALLIUM	2.32	mg/kg	U	N	Y	U	U					02J055-08	17:54
				VANADIUM	30.6	mg/kg		Y	Y	P	J	08A				02J055-08	00:31
				ZINC	17.7	mg/kg		Y	Y	P						02J055-08	00:31
	SW7471A	TOTAL	N 0 1	MERCURY	.0456	mg/kg	J	Y	Y	F	B	06B	15			02J055-08	17:35
QG0037	SW6010B	SW3050	N 0 1	ALUMINUM	26100	mg/kg		Y	Y	P						02J055-09	00:35
				ANTIMONY	11.6	mg/kg	U	N	Y	U	UJ	08A				02J055-09	00:35
				ARSENIC	7.72	mg/kg		Y	Y	P						02J055-09	17:59
				BARIUM	59.7	mg/kg		Y	Y	P						02J055-09	00:35
				BERYLLIUM	.689	mg/kg	J	Y	Y	P	J	15				02J055-09	00:35
				CADMIUM	1.16	mg/kg	U	N	Y	U	U					02J055-09	00:35
				CALCIUM	202	mg/kg		Y	Y	P						02J055-09	00:35
				CHROMIUM	28.8	mg/kg		Y	Y	P	J	08A				02J055-09	00:35
				COBALT	9.36	mg/kg		Y	Y	P						02J055-09	00:35
				COPPER	32	mg/kg		Y	Y	P						02J055-09	00:35
				IRON	32500	mg/kg		Y	Y	P						02J055-09	00:35
				LEAD	97.9	mg/kg		Y	Y	P						02J055-09	17:59
				MAGNESIUM	783	mg/kg		Y	Y	P						02J055-09	00:35
				MANGANESE	1540	mg/kg		Y	Y	P						02J055-09	00:35
				NICKEL	11.2	mg/kg		Y	Y	P	J	13				02J055-09	00:35
				POTASSIUM	594	mg/kg		Y	Y	P						02J055-09	00:35
				SELENIUM	1.85	mg/kg		Y	Y	F	B	06B	08A			02J055-09	17:59
				SILVER	2.33	mg/kg	U	N	Y	U	U					02J055-09	00:35
				SODIUM	24.9	mg/kg	J	Y	Y	F	B	06C	15			02J055-09	00:35
				THALLIUM	2.33	mg/kg	U	N	Y	U	U					02J055-09	17:59
QG0038	SW6010B	SW3050	N 0 1	VANADIUM	47.8	mg/kg		Y	Y	P	J	08A				02J055-09	00:35
				ZINC	31.2	mg/kg		Y	Y	P						02J055-09	00:35
	SW7471A	TOTAL	N 0 1	MERCURY	.0776	mg/kg	J	Y	Y	F	B	06B	15			02J055-09	17:38
	SW6010B	SW3050	N 0 1	ALUMINUM	17800	mg/kg		Y	Y	P						02J055-10	00:40
				ANTIMONY	9.79	mg/kg	U	N	Y	U	UJ	08A				02J055-10	00:40
				ARSENIC	4.76	mg/kg		Y	Y	P						02J055-10	18:05
				BARIUM	22	mg/kg		Y	Y	P						02J055-10	00:40
				BERYLLIUM	.34	mg/kg	J	Y	Y	P	J	15				02J055-10	00:40
				CADMIUM	.979	mg/kg	U	N	Y	U	U					02J055-10	00:40
				CALCIUM	49.7	mg/kg	J	Y	Y	P	J	15				02J055-10	00:40

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Sample Number:	Analytical/Extraction			Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:							
	Method:	Flt	REX Dil:								Qlfr	Code:	1	2	3	4									
IASPOW-06																									
QG0038	SW6010B	SW3050	N	0	1	CHROMIUM	14.4	mg/kg		Y	Y	P	J		08A		02J055-10	00:40							
						COBALT	2.37	mg/kg		Y	Y	F	B		06B		02J055-10	00:40							
						COPPER	9.78	mg/kg		Y	Y	P						02J055-10	00:40						
						IRON	24400	mg/kg		Y	Y	P						02J055-10	00:40						
						LEAD	12	mg/kg		Y	Y	P						02J055-10	18:05						
						MAGNESIUM	487	mg/kg		Y	Y	P						02J055-10	00:40						
						MANGANESE	137	mg/kg		Y	Y	P						02J055-10	00:40						
						NICKEL	6.73	mg/kg		Y	Y	P	J		13			02J055-10	00:40						
						POTASSIUM	455	mg/kg	J	Y	Y	P	J		15			02J055-10	00:40						
						SELENIUM	1.44	mg/kg		Y	Y	F	B		06B	08A		02J055-10	18:05						
						SILVER	1.96	mg/kg	U	N	Y	U	U					02J055-10	00:40						
						SODIUM	97.9	mg/kg	U	N	Y	U	U					02J055-10	00:40						
						THALLIUM	1.96	mg/kg	U	N	Y	U	U					02J055-10	18:05						
						VANADIUM	37	mg/kg		Y	Y	P	J		08A			02J055-10	00:40						
						ZINC	20.9	mg/kg		Y	Y	P						02J055-10	00:40						
						QG0039	SW7471A	TOTAL	N	0	1	MERCURY	.0454	mg/kg	J	Y	Y	F	B		06B	15	02J055-10	17:40	
							SW6010B	SW3050	N	0	1	ALUMINUM	24800	mg/kg		Y	Y	P					02J055-11	00:45	
												ANTIMONY	11.8	mg/kg	U	N	Y	U	UJ		08A			02J055-11	00:45
												ARSENIC	7.62	mg/kg		Y	Y	P						02J055-11	18:11
												BARIUM	93.8	mg/kg		Y	Y	P						02J055-11	00:45
BERYLLIUM	.885	mg/kg	J	Y	Y							P	J		15			02J055-11	00:45						
CADMIUM	1.18	mg/kg	U	N	Y							U	U					02J055-11	00:45						
CALCIUM	435	mg/kg		Y	Y							P						02J055-11	00:45						
CHROMIUM	20.5	mg/kg		Y	Y							P	J		08A			02J055-11	00:45						
COBALT	9.74	mg/kg		Y	Y							P						02J055-11	00:45						
COPPER	15.7	mg/kg		Y	Y							P						02J055-11	00:45						
IRON	25300	mg/kg		Y	Y							P						02J055-11	00:45						
LEAD	64.3	mg/kg		Y	Y							P						02J055-11	18:11						
MAGNESIUM	845	mg/kg		Y	Y							P						02J055-11	00:45						
MANGANESE	2010	mg/kg		Y	Y							P						02J055-11	00:45						
NICKEL	12.2	mg/kg		Y	Y							P	J		13			02J055-11	00:45						
POTASSIUM	750	mg/kg		Y	Y							P						02J055-11	00:45						
SELENIUM	1.39	mg/kg		Y	Y							F	B		06B	08A		02J055-11	18:11						
SILVER	2.36	mg/kg	U	N	Y							U	U					02J055-11	00:45						
SODIUM	26.7	mg/kg	J	Y	Y							F	B		06C	15		02J055-11	00:45						
THALLIUM	2.36	mg/kg	U	N	Y	U						U					02J055-11	18:11							
VANADIUM	40.1	mg/kg		Y	Y	P	J		08A			02J055-11	00:45												
ZINC	27.7	mg/kg		Y	Y	P						02J055-11	00:45												
QG0040	SW7471A	TOTAL	N	0	1	MERCURY	.0502	mg/kg	J	Y	Y	P	J		15		02J055-11	17:49							
	SW6010B	SW3050	N	0	1	ALUMINUM	22400	mg/kg		Y	Y	P					02J055-12	00:49							

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												1	2	3	4		
IASPOW-06																	
QG0040	SW6010B	SW3050	N 0 1	ANTIMONY	11.9	mg/kg	U	N	Y	U	UJ					08A	02J055-12 00:49
				ARSENIC	8.23	mg/kg		Y	Y	P							02J055-12 18:16
				BARIUM	27.3	mg/kg		Y	Y	P							02J055-12 00:49
				BERYLLIUM	.525	mg/kg	J	Y	Y	P	J				15		02J055-12 00:49
				CADMIUM	1.19	mg/kg	U	N	Y	U	U						02J055-12 00:49
				CALCIUM	68.8	mg/kg	J	Y	Y	P	J				15		02J055-12 00:49
				CHROMIUM	71.8	mg/kg		Y	Y	P	J				08A		02J055-12 00:49
				COBALT	4.3	mg/kg		Y	Y	P							02J055-12 00:49
				COPPER	11.9	mg/kg		Y	Y	P							02J055-12 00:49
				IRON	37300	mg/kg		Y	Y	P							02J055-12 00:49
				LEAD	19.3	mg/kg		Y	Y	P							02J055-12 18:16
				MAGNESIUM	561	mg/kg		Y	Y	P							02J055-12 00:49
				MANGANESE	351	mg/kg		Y	Y	P							02J055-12 00:49
				NICKEL	8.76	mg/kg		Y	Y	P	J				13		02J055-12 00:49
				POTASSIUM	526	mg/kg	J	Y	Y	P	J				15		02J055-12 00:49
				SELENIUM	1.66	mg/kg		Y	Y	F	B				06B 08A		02J055-12 18:16
				SILVER	2.38	mg/kg	U	N	Y	U	U						02J055-12 00:49
				SODIUM	119	mg/kg	U	N	Y	U	U						02J055-12 00:49
				THALLIUM	2.38	mg/kg	U	N	Y	U	U						02J055-12 18:16
				VANADIUM	52.3	mg/kg		Y	Y	P	J				08A		02J055-12 00:49
				ZINC	24.5	mg/kg		Y	Y	P							02J055-12 00:49
QG0041	SW7471A	TOTAL	N 0 1	MERCURY	.0872	mg/kg	J	Y	Y	P	J				15		02J055-12 17:51
	SW6010B	SW3050	N 0 1	ALUMINUM	30500	mg/kg		Y	Y	P							02J055-13 00:54
				ANTIMONY	12	mg/kg	U	N	Y	U	UJ				08A		02J055-13 00:54
				ARSENIC	9.18	mg/kg		Y	Y	P							02J055-13 18:23
				BARIUM	97.9	mg/kg		Y	Y	P							02J055-13 00:54
				BERYLLIUM	.958	mg/kg	J	Y	Y	P	J				15		02J055-13 00:54
				CADMIUM	1.2	mg/kg	U	N	Y	U	U						02J055-13 00:54
				CALCIUM	347	mg/kg		Y	Y	P							02J055-13 00:54
				CHROMIUM	18.1	mg/kg		Y	Y	P	J				08A		02J055-13 00:54
				COBALT	10.3	mg/kg		Y	Y	P							02J055-13 00:54
				COPPER	36.2	mg/kg		Y	Y	P							02J055-13 00:54
				IRON	29800	mg/kg		Y	Y	P							02J055-13 00:54
				LEAD	151	mg/kg		Y	Y	P							02J055-13 18:23
				MAGNESIUM	964	mg/kg		Y	Y	P							02J055-13 00:54
				MANGANESE	2260	mg/kg		Y	Y	P							02J055-13 00:54
				NICKEL	15.7	mg/kg		Y	Y	P	J				13		02J055-13 00:54
				POTASSIUM	874	mg/kg		Y	Y	P							02J055-13 00:54
				SELENIUM	1.8	mg/kg		Y	Y	F	B				06B 08A		02J055-13 18:23
				SILVER	2.41	mg/kg	U	N	Y	U	U						02J055-13 00:54

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	Qlfr	Code:	1								2	3	4								
IASPOW-06																					
QG0041	SW6010B	SW3050	N 0 1	SODIUM	34.9	mg/kg	J	Y	Y	F	B		06C	15		02J055-13	00:54				
				THALLIUM	2.41	mg/kg	U	N	Y	U	U				02J055-13	18:23					
				VANADIUM	44.4	mg/kg		Y	Y	P	J		08A		02J055-13	00:54					
				ZINC	36	mg/kg		Y	Y	P					02J055-13	00:54					
	SW7471A	TOTAL	N 0 1	MERCURY	.0743	mg/kg	J	Y	Y	P	J		15			02J055-13	17:54				
QG0042	SW6010B	SW3050	N 0 1	ALUMINUM	22600	mg/kg		Y	Y	P						02J055-14	00:59				
				ANTIMONY	11.9	mg/kg	U	N	Y	U	UJ		08A		02J055-14	00:59					
				ARSENIC	6.04	mg/kg		Y	Y	P					02J055-14	18:28					
				BARIUM	26.9	mg/kg		Y	Y	P					02J055-14	00:59					
				BERYLLIUM	.437	mg/kg	J	Y	Y	P	J		15		02J055-14	00:59					
				CADMIUM	1.19	mg/kg	U	N	Y	U	U				02J055-14	00:59					
				CALCIUM	67.7	mg/kg	J	Y	Y	P	J		15		02J055-14	00:59					
				CHROMIUM	18.1	mg/kg		Y	Y	P	J		08A		02J055-14	00:59					
				COBALT	2.65	mg/kg		Y	Y	F	B		06B		02J055-14	00:59					
				COPPER	10.7	mg/kg		Y	Y	P					02J055-14	00:59					
				IRON	28100	mg/kg		Y	Y	P					02J055-14	00:59					
				LEAD	16.9	mg/kg		Y	Y	P					02J055-14	18:28					
				MAGNESIUM	583	mg/kg		Y	Y	P					02J055-14	00:59					
				MANGANESE	225	mg/kg		Y	Y	P					02J055-14	00:59					
				NICKEL	8.49	mg/kg		Y	Y	P	J		13		02J055-14	00:59					
				POTASSIUM	540	mg/kg	J	Y	Y	P	J		15		02J055-14	00:59					
				SELENIUM	1.23	mg/kg		Y	Y	F	B		06B	08A	02J055-14	18:28					
				SILVER	2.38	mg/kg	U	N	Y	U	U				02J055-14	00:59					
				SODIUM	25.4	mg/kg	J	Y	Y	F	B		06C	15	02J055-14	00:59					
				THALLIUM	2.38	mg/kg	U	N	Y	U	U				02J055-14	18:28					
				VANADIUM	40.5	mg/kg		Y	Y	P	J		08A		02J055-14	00:59					
				ZINC	25.4	mg/kg		Y	Y	P					02J055-14	00:59					
					SW7471A	TOTAL	N 0 1	MERCURY	.0622	mg/kg	J	Y	Y	P	J		15			02J055-14	17:56
				QG0043	SW6010B	SW3050	N 0 1	ALUMINUM	20300	mg/kg		Y	Y	P						02J055-15	01:04
ANTIMONY	12.4	mg/kg	U					N	Y	U	UJ		08A		02J055-15	01:04					
ARSENIC	8.61	mg/kg						Y	Y	P					02J055-15	18:34					
BARIUM	124	mg/kg						Y	Y	P					02J055-15	01:04					
BERYLLIUM	1.57	mg/kg						Y	Y	P					02J055-15	01:04					
CADMIUM	1.24	mg/kg	U					N	Y	U	U				02J055-15	01:04					
CALCIUM	402	mg/kg						Y	Y	P					02J055-15	01:04					
CHROMIUM	14.8	mg/kg						Y	Y	P	J		08A		02J055-15	01:04					
COBALT	11.5	mg/kg						Y	Y	P					02J055-15	01:04					
COPPER	41.8	mg/kg						Y	Y	P					02J055-15	01:04					
IRON	45400	mg/kg						Y	Y	P					02J055-15	01:04					
LEAD	254	mg/kg						Y	Y	P					02J055-15	18:34					

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													Qlfr	Code:	1	2	3	4								
IASPOW-06																										
QG0043	SW6010B	SW3050	N	0	1	MAGNESIUM	896	mg/kg		Y	Y	P							02J055-15	01:04						
						MANGANESE	2540	mg/kg		Y	Y	P						02J055-15	01:04							
						NICKEL	17.2	mg/kg		Y	Y	P	J		13			02J055-15	01:04							
						POTASSIUM	1110	mg/kg		Y	Y	P						02J055-15	01:04							
						SELENIUM	1.94	mg/kg		Y	Y	F	B		06B	08A		02J055-15	18:34							
						SILVER	2.48	mg/kg	U	N	Y	U	U					02J055-15	01:04							
						SODIUM	25.8	mg/kg	J	Y	Y	F	B		06C	15		02J055-15	01:04							
						THALLIUM	2.48	mg/kg	U	N	Y	U	U					02J055-15	18:34							
						VANADIUM	40.1	mg/kg		Y	Y	P	J		08A			02J055-15	01:04							
						ZINC	47.3	mg/kg		Y	Y	P						02J055-15	01:04							
						SW7471A	TOTAL	N	0	1	MERCURY	.0797	mg/kg	J	Y	Y	P	J		15			02J055-15	17:59		
						QG0044	SW6010B	SW3050	N	0	1	ALUMINUM	30500	mg/kg		Y	Y	P						02J055-16	01:08	
ANTIMONY	11.8	mg/kg	U	N	Y							U	UJ		08A			02J055-16	01:08							
ARSENIC	8.9	mg/kg		Y	Y							P						02J055-16	19:08							
BARIUM	42.5	mg/kg		Y	Y							P						02J055-16	01:08							
BERYLLIUM	.676	mg/kg	J	Y	Y							P	J		15			02J055-16	01:08							
CADMIUM	1.18	mg/kg	U	N	Y							U	U					02J055-16	01:08							
CALCIUM	145	mg/kg		Y	Y							P						02J055-16	01:08							
CHROMIUM	44	mg/kg		Y	Y							P	J		08A			02J055-16	01:08							
COBALT	9.41	mg/kg		Y	Y							P						02J055-16	01:08							
COPPER	11.4	mg/kg		Y	Y							P						02J055-16	01:08							
IRON	32500	mg/kg		Y	Y							P						02J055-16	01:08							
LEAD	30.5	mg/kg		Y	Y							P						02J055-16	19:08							
MAGNESIUM	880	mg/kg		Y	Y							P						02J055-16	01:08							
MANGANESE	1610	mg/kg		Y	Y							P						02J055-16	01:08							
NICKEL	14.1	mg/kg		Y	Y							P	J		13			02J055-16	01:08							
POTASSIUM	726	mg/kg		Y	Y							P						02J055-16	01:08							
SELENIUM	1.66	mg/kg		Y	Y							P	J		08A			02J055-16	19:08							
SILVER	2.36	mg/kg	U	N	Y							U	U					02J055-16	01:08							
SODIUM	36.2	mg/kg	J	Y	Y							F	B		06C	15		02J055-16	01:08							
THALLIUM	2.36	mg/kg	U	N	Y							U	U					02J055-16	19:08							
VANADIUM	55.3	mg/kg		Y	Y							P	J		08A			02J055-16	01:08							
ZINC	30.8	mg/kg		Y	Y							P						02J055-16	01:08							
SW7471A	TOTAL	N	0	1	MERCURY							.0805	mg/kg	J	Y	Y	P	J		15			02J055-16	17:03		
IASPOW-07																										
QG0045	SW6010B	SW3050	N	0	1							ALUMINUM	19800	mg/kg		Y	Y	P						02J281-01	20:16	
												ANTIMONY	11.4	mg/kg	U	N	Y	U	U					02J281-01	20:16	
												ARSENIC	7.91	mg/kg		Y	Y	P						02J281-01	14:50	
												BARIUM	42.6	mg/kg		Y	Y	P						02J281-01	20:16	

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												1	2	3	4		
IASPOW-07																	
QG0045	SW6010B	SW3050	N 0 1	BERYLLIUM	.737	mg/kg	J	Y	Y	P	J	15				02J281-01	20:16
				CADMIUM	1.14	mg/kg	U	N	Y	U	U					02J281-01	20:16
				CALCIUM	65.9	mg/kg	J	Y	Y	P	J	15				02J281-01	20:16
				CHROMIUM	25.4	mg/kg		Y	Y	P						02J281-01	20:16
				COBALT	4.51	mg/kg		Y	Y	P						02J281-01	20:16
				COPPER	10	mg/kg		Y	Y	P						02J281-01	20:16
				IRON	32300	mg/kg		Y	Y	P						02J281-01	20:16
				LEAD	15.3	mg/kg		Y	Y	P						02J281-01	14:50
				MAGNESIUM	606	mg/kg		Y	Y	P						02J281-01	20:16
				MANGANESE	190	mg/kg		Y	Y	P						02J281-01	20:16
				NICKEL	10.4	mg/kg		Y	Y	P						02J281-01	20:16
				POTASSIUM	1500	mg/kg		Y	Y	P						02J281-01	20:16
				SELENIUM	2.09	mg/kg		Y	Y	F	B	06A	17			02J281-01	14:50
				SILVER	2.27	mg/kg	U	N	Y	U	U					02J281-01	20:16
				SODIUM	21.5	mg/kg	J	Y	Y	P	J	15				02J281-01	20:16
				THALLIUM	2.27	mg/kg	U	N	Y	U	U					02J281-01	14:50
				VANADIUM	34.3	mg/kg		Y	Y	P						02J281-01	20:16
				ZINC	26.5	mg/kg		Y	Y	P						02J281-01	20:16
QG0046	SW7471A	TOTAL	N 0 1	MERCURY	.0481	mg/kg	J	Y	Y	P	J	15				02J281-01	13:09
	SW6010B	SW3050	N 0 1	ALUMINUM	19600	mg/kg		Y	Y	P						02J281-02	20:21
				ANTIMONY	11.2	mg/kg	U	N	Y		U					02J281-02	20:21
				ARSENIC	7.18	mg/kg		Y	Y	P						02J281-02	14:55
				BARIUM	40.5	mg/kg		Y	Y	P						02J281-02	20:21
				BERYLLIUM	.657	mg/kg	J	Y	Y	P	J	15				02J281-02	20:21
				CADMIUM	1.12	mg/kg	U	N	Y		U					02J281-02	20:21
				CALCIUM	67.6	mg/kg	J	Y	Y	P	J	15				02J281-02	20:21
				CHROMIUM	31.2	mg/kg		Y	Y	P						02J281-02	20:21
				COBALT	3.76	mg/kg		Y	Y	P						02J281-02	20:21
				COPPER	10.3	mg/kg		Y	Y	P						02J281-02	20:21
				IRON	29200	mg/kg		Y	Y	P						02J281-02	20:21
				LEAD	14.6	mg/kg		Y	Y	P						02J281-02	14:55
				MAGNESIUM	578	mg/kg		Y	Y	P						02J281-02	20:21
				MANGANESE	205	mg/kg		Y	Y	P						02J281-02	20:21
				NICKEL	10.2	mg/kg		Y	Y	P						02J281-02	20:21
				POTASSIUM	1310	mg/kg		Y	Y	P						02J281-02	20:21
				SELENIUM	1.07	mg/kg	J	Y	Y	F	B	06A	15	17		02J281-02	14:55
				SILVER	2.23	mg/kg	U	N	Y		U					02J281-02	20:21
				SODIUM	112	mg/kg	U	N	Y		U					02J281-02	20:21
				THALLIUM	2.23	mg/kg	U	N	Y		U					02J281-02	14:55
				VANADIUM	35.8	mg/kg		Y	Y	P						02J281-02	20:21

Validation Qualifier Data Entry Verification

Fort McClellan

Run Date: March 31, 2003

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Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
IASPOW-07																	
QG0046	SW6010B	SW3050	N 0 1	ZINC	25.8	mg/kg		Y	Y	P						02J281-02	20:21
	SW7471A	TOTAL	N 0 1	MERCURY	.0411	mg/kg	J	Y	Y	P	J		15			02J281-02	13:11

**Data Quality Summary for
2022 Analytical Data**

Laboratory Report Data Review e-Checklist				
Laboratory Report ID:				
Laboratory Name:	TALSAV	Report Package Date:	2/1/2022	
Project Name:	100Q101Q - Soil	Review Date:	2/2/2022	
SDG:	680-210170-1			
Reviewer Name:	B. VanPelt			
Parameters:	MET			
Method IDs:	SW6020B, SW7470A, SW7471B	Rejected Results?	0	
Matrix:	Soil			
		Yes	No	N/A
				Comment
Laboratory Method Blanks and Field Blanks				
1 Were appropriate types of laboratory method blanks analyzed?		X		
2 Were the laboratory method blanks analyzed at the appropriate frequency?		X		
3 Was the method blank free of contamination (i.e., less than the MDL or RL)?			X	1
4 Did the method blank contamination affect the final results?			X	
5 Was a trip blank required and submitted with the samples?				X
6 Was the trip blank free of contamination (i.e., less than the MDL or RL)?				X
7 Did the trip blank contamination affect the final results?				X
8 Was an equipment blank required and submitted with the samples?		X		
9 Was the equipment blank free of contamination (i.e., less than the MDL or RL)?		X		
10 Did the equipment blank contamination affect the final results?			X	
11 Were Continuous Calibration Blanks (CCBs) analyzed?		X		
12 Were CCBs within the control window?		X		
13 Did the CCB contamination affect the final results?			X	
Laboratory Control Samples (Summarized in Table 4)				
1 Were Laboratory Control Sample (LCS) analyzed at a frequency of one per batch?		X		
2 Were LCSs spiked with appropriate list of target compounds?		X		
3 Were LCS percent recoveries within laboratory control limits?		X		
4 Did the LCS percent recoveries affect the final results?			X	
5 If performed, was LCS Duplicate data provided?			X	
6 Were the LCS/LCSD RPD values within laboratory control limits?				X
Matrix Spikes (Summarized in Table 2)				
1 Were MS/MSDs analyzed at a frequency of one per batch?		X		
Sample used/methods:	680-210170-1 MSDNS445750PR, 680-210170-1 MSDNS44575PR, 680-210170-1 MSNS445750PR, 680-210170-1 MSNS44575PR			
2 Were MS/MSDs performed on a project sample selected by the laboratory?		X		
Sample used/methods:	680-210170-1 MSDNS445750PR, 680-210170-1 MSDNS44575PR, 680-210170-1 MSNS445750PR, 680-210170-1 MSNS44575PR			
3 Were MS/MSDs spiked with appropriate list of target compounds?		X		
4 Were MS/MSD percent recoveries within laboratory control limits?			X	2
5 Did the MS/MSD percent recoveries affect the final results? If yes, narrate.			X	
6 Were the MS/MSD RPD values within laboratory control limits?		X		
7 Did the MS/MSD RPDs affect the final results?			X	

Laboratory Report ID:					
Laboratory Name:	TALSAV	Report Package Date:	2/1/2022		
Project Name:	100Q101Q - Soil	Review Date:	2/2/2022		
SDG:	680-210170-1				
Reviewer Name:	B. VanPelt				
Parameters:	MET				
Method IDs:	SW6020B, SW7470A, SW7471B	Rejected Results?	0		
Matrix:	Soil				
		Yes	No	N/A	Comment

Field and Laboratory Duplicates (Summarized in Table 3)

1 Was a field duplicate submitted with this SDG?	X			
Field Duplicate ID: 680-210170-7FD44575PR				
2 Were the field sample RPD values less than review criteria?	X			
3 Did the field duplicate RPD results affect the final results? If so, narrate.		X		
4 Was a laboratory method duplicate (MD) performed?		X		
5 Did the field duplicate RPD results affect the final results?		X		
6 Did the MD results affect the final results?			X	

Other Laboratory QC Data

1 Were internal standard data reported? (organics and inorganics by 6020)	X			
2 Were IS area counts and retention times within method required limits?	X			
3 Were data associated with manual integration flagged on the test reports?			X	
4 Did dual-column confirmation results (PCBs) meet method-required QC limits of <25% difference?			X	
5 Was an interference check sample analyzed and were percent recoveries within QC limits?		X		3
6 If serial dilutions were analyzed using a project sample, were the percent differences within QC limits?	X			
7 Was a CRDL check sample analyzed and were the percent recoveries within QC limits?	X			
8 If post-digestion spikes (PDS) were performed for metals, were percent recoveries within QC limits?	X			
9 If ICV/CCV was stated in the case narrative, did the ICV/CCV affect the project samples?			X	
10 Were the total metal results greater than the dissolved metal results?			X	

Comment No.	Description (data usability; note any estimated and/or rejected data):
1	Method Blank - Water (applies to EB) - Silver 0.1 J, Antimony 1.2 J - not detected in the EB, no quals; SOIL (all soil samples) - Cobalt 0.0167 J Batches (680-703585 and 680-703673) - all detections >10X blank - no quals
2	IA-GP10COMP-2021: MS out high but MSD okay Cr, V - no qual 4X Rule applies to : Al, Ba, Fe, Pb, Mn - MS and MSD high, Cu - MS okay; MS/MSD results in Table 2
3	Chromium ICS high - all soil samples J qualified indicating data are estimated.
4	

Summary of Tables

Table 1 - Sample Index

Table 2 - Summary of MS/MSD Recoveries and RPDs

Table 3 - Summary of Field Duplicate and Investigative Sample RPDs

Table 4 - Summary of LCS

Tables

Table 1: Sample Index
Former Rifle/Machine Gun Range (Impact Area) for Parcels 100Q and 101Q
McClellan, Anniston, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
100Q101Q	IA-GP10COMP-2021 14:01	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-1	SW6020B
100Q101Q	IA-GP10COMP-2021 14:01	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-1	SW7471B
100Q101Q	IA-GP10COMP-2021 14:01	MSD	SO	1/14/22	TALSAV	680-210170-1	680-210170-1 MSD	SW6020B
100Q101Q	IA-GP10COMP-2021 14:01	MSD	SO	1/14/22	TALSAV	680-210170-1	680-210170-1 MSD	SW7471B
100Q101Q	IA-GP10COMP-2021 14:01	MS	SO	1/14/22	TALSAV	680-210170-1	680-210170-1 MS	SW6020B
100Q101Q	IA-GP10COMP-2021 14:01	MS	SO	1/14/22	TALSAV	680-210170-1	680-210170-1 MS	SW7471B
100Q101Q	IA-GP10COMP-2021 15:00	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-4	SW6020B
100Q101Q	IA-GP10COMP-2021 15:00	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-4	SW7471B
100Q101Q	IA-GP10COMP-2021 15:00	FD	SO	1/14/22	TALSAV	680-210170-1	680-210170-7	SW6020B
100Q101Q	IA-GP10COMP-2021 15:00	FD	SO	1/14/22	TALSAV	680-210170-1	680-210170-7	SW7471B
100Q101Q	IA-GP12COMP-2021 11:34	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-2	SW6020B
100Q101Q	IA-GP12COMP-2021 11:34	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-2	SW7471B
100Q101Q	IA-GP12COMP-2021 13:20	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-5	SW6020B
100Q101Q	IA-GP12COMP-2021 13:20	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-5	SW7471B
100Q101Q	IA-GP15COMP-2021 10:00	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-3	SW6020B
100Q101Q	IA-GP15COMP-2021 10:00	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-3	SW7471B
100Q101Q	IA-GP15COMP-2021 11:02	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-6	SW6020B
100Q101Q	IA-GP15COMP-2021 11:02	NS	SO	1/14/22	TALSAV	680-210170-1	680-210170-6	SW7471B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	1/15/22	TALSAV	680-210170-1	680-210170-8	SW6020B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	1/15/22	TALSAV	680-210170-1	680-210170-8	SW7470A

Notes:

EB = Equipment Blank
FD = Field duplicate
ID = Identification
MS = Matrix spike
MSD = Matrix spike duplicate
NS = Normal sample

QC = Quality Control
TALSAV = TestAmerica Laboratories Inc., Savannah, Georgia
SO = Soil
TB = Trip blank
W = Water

**Table 2: Summary of MS/MSD Recoveries and RPDs
Former Rifle/Machine Gun Range (Impact Area) for Parcels 100Q and 101Q
McClellan, Anniston, Alabama**

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Aluminum	353	254	75	125	33	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Antimony	123	106	75	125	15	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Arsenic	111	103	75	125	7	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Barium	205	132	75	125	43	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Beryllium	108	99	75	125	9	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Cadmium	110	105	75	125	5	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Calcium	110	106	75	125	4	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Chromium	127	114	75	125	11	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Cobalt	118	100	75	125	17	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Copper	171	132	75	125	26	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Iron	371	189	75	125	65	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Lead	144	99	75	125	37	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Magnesium	116	112	75	125	4	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Manganese	-451	-522	75	125	-15	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Nickel	120	111	75	125	8	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Potassium	109	102	75	125	7	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Selenium	101	91	75	125	10	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Silver	110	105	75	125	5	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Sodium	117	111	75	125	5	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Thallium	110	103	75	125	7	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Tin	114	108	75	125	5	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Vanadium	127	106	75	125	18	40
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW6020B	Zinc	121	108	75	125	11	30
IA-GP10COMP-2021 14:01	SO	1/14/22	680-210170-1	SW7471B	Mercury	105	104	80	120	1	40

Notes:

%R = Percent recovery

LCL = Lower control limit

UCL = Upper control limit

MS = Matrix spike

MSD = Matrix spike duplicate

RPD = Relative percent difference

SO = Soil

Blue text and outlined data are above acceptance criteria.

Shaded data are below acceptance criteria.

**Table 3: Summary of Field Duplicate and Investigative Sample RPDs
Former Rifle/Machine Gun Range (Impact Area) for Parcels 100Q and 101Q
McClellan, Anniston, Alabama**

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	FD Sample Value	FD Lab Flag	NS Sample Value	NS Lab Flag	Units	RPD	RPD Limit
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Aluminum	20000		19000		mg/kg	5.1	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Antimony	0.74	J	0.73	J	mg/kg	1.4	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Arsenic	10		11		mg/kg	9.5	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Barium	42		41		mg/kg	2.4	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Beryllium	0.5		0.44		mg/kg	12.8	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Cadmium	0.02	J	0.019	J	mg/kg	5.1	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Calcium	200		200		mg/kg	0	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Chromium	16		18		mg/kg	11.8	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Cobalt	9.1		9.3		mg/kg	2.2	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Copper	8.9		8.8		mg/kg	1.1	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Iron	32000		31000		mg/kg	3.2	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Lead	30		30		mg/kg	0	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Magnesium	470		460		mg/kg	2.2	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Manganese	1100		1200		mg/kg	8.7	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Nickel	8.5		8.4		mg/kg	1.2	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Potassium	440		440		mg/kg	0.0	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Selenium	1.2		1.1		mg/kg	8.7	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Silver	0.031	J	0.031	J	mg/kg	0	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW6020B	Thallium	0.3		0.3		mg/kg	0	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Vanadium	47		46		mg/kg	2.2	50
IA-GP10COMP-2021 15:00	SO	1/14/22	1	SW6020B	Zinc	20		19		mg/kg	5.1	50
IA-GP10COMP-2021 15:00	SO	1/14/22	680-210170-	SW7471B	Mercury	0.09		0.096		mg/kg	6.5	50

Notes:

FD = Field duplicate
mg/kg = milligrams per kilogram
NA = not applicable
NS = Normal Sample
RPD = Relative percent difference
SO = Soil

Lab Flags:

H = Sample prepared or analyzed beyond the holding time.
H3 = Sample received and analyzed past holding time.
J = Estimated value. The analyte is positively identified and the concentration is less than the reporting limit (RL) but greater than the method detection limit (MDL).

**Table 4: Summary of LCS
Former Rifle/Machine Gun Range (Impact Area) for Parcels 100Q and 101Q
McClellan, Anniston, Alabama**

Matrix	Method	Delivery Group	Analysis Date	Analytical Batch	Parameter Name	LCS %R	LCL	UCL
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Aluminum	107	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Aluminum	107	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Antimony	113	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Antimony	113	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Arsenic	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Arsenic	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Barium	103	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Barium	103	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Beryllium	107	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Beryllium	107	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Cadmium	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Cadmium	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Calcium	112	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Calcium	112	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Chromium	110	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Chromium	110	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Cobalt	109	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Cobalt	109	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Copper	115	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Copper	112	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Iron	110	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Iron	110	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Lead	110	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Lead	110	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Magnesium	116	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Magnesium	116	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Manganese	109	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Manganese	109	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Nickel	111	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Nickel	111	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Potassium	112	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Potassium	112	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Selenium	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Selenium	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Silver	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Silver	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Sodium	119	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Sodium	119	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Thallium	107	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Thallium	107	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Tin	105	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Tin	105	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Vanadium	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Vanadium	106	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703673	Zinc	108	80	120
Soil	SW6020B	680-210170-1	1/19/22	680-703585	Zinc	108	80	120

Table 4: Summary of LCS
Former Rifle/Machine Gun Range (Impact Area) for Parcels 100Q and 101Q
McClellan, Anniston, Alabama

Matrix	Method	Delivery Group	Analysis Date	Analytical Batch	Parameter Name	LCS %R	LCL	UCL
Soil	SW7471B	680-210170-1	1/31/22	680-705078	Mercury	101	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Antimony	106	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Arsenic	97	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Barium	98	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Beryllium	98	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Cadmium	100	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Cobalt	100	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Copper	103	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Lead	100	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Nickel	103	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Selenium	101	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Silver	99	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Thallium	96	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Vanadium	98	80	120
Water	SW6020B	680-210170-1	1/19/22	680-703673	Zinc	99	80	120
Water	SW7470A	680-210170-1	2/1/22	680-705237	Mercury	98	80	120

Notes:

-- = Not applicable

%R = Percent recovery

LCL = Lower control limit

UCL = Upper control limit

LCS = Laboratory control sample

SO = Soil

TOT = Total

W = Water

APPENDIX H

**STATISTICAL AND GEOCHEMICAL EVALUATIONS
OF SITE METALS DATA**

STATISTICAL EVALUATION

Statistical Comparison of Site and Background Data For Impact Area South of POW, Parcels 100(Q) and 101(Q), Fort McClellan

1.0 Introduction

This report provides the Tier 1 and Tier 2 site-to-background comparison results for the Impact Area South of POW, Parcel 100(Q) and 101(Q), (IASPOW), Fort McClellan, in Calhoun County, Alabama. Tier 1 and Tier 2 evaluations (Shaw E & I, 2003) have been performed on the surface soil, total soil (surface soil and subsurface soil combined), and groundwater data sets. In the first step of the comparison, the maximum detected concentration (MDC) of each element is compared to two times the arithmetic mean of the background data (SAIC, 1998). Any metal that has an MDC greater than the background screening value is carried forward for Tier 2 evaluation, which includes the Slippage Test, the Wilcoxon Rank Sum Test (WRS), and Hot Measurement Test.

The methodology and results of the Tier 1 and Tier 2 comparisons are summarized in Tables 1 through 3, and described in more detail in the following sections. Site samples used in the site-to-background comparison include 22 surface soil samples (0 to 1 foot below ground surface [bgs]), 42 total soil samples (0 to 6 feet bgs), and 2 groundwater samples, that were collected at the site.

Background distributions and screening values have been established for target analyte list metals in surface soil (0 to 1 foot bgs), combine surface and subsurface soil (0 to 12 feet bgs), and groundwater for Fort McClellan (SAIC, 1998).

2.0 Comparison Methodology

This section describes the statistical techniques that were employed in the IASPOW site-to-background comparisons.

2.1 Statistical Procedures

Contamination can be caused by a variety of processes that yield different spatial distributions of elevated contaminant concentrations. Slight but pervasive contamination can occur from non-point-source releases, and can result in slight increases in contaminant concentrations in a large percentage of samples. Localized, or “hot-spot,” contamination can result in elevated

Table 1

**Summary of Tier 1 and Tier 2 Site to Background Comparison
Surface Soil, Impact Area South of POW, Parcels 100(Q) and 101(Q)
Fort McClellan
Calhoun County, Alabama**

Metals	Frequency of Detection	Tier 1 Evaluation ^a	Slippage Test ^b	Wilcoxon Rank Sum Test ^b	Hot Measurement Test ^{b,c}	Carried Forward for Tier 3 Geochemical Evaluation
Aluminum	22 / 22	Failed	Passed	Failed	NA	Yes
Antimony	1 / 22	Failed	NA ^d	NA ^e	Passed	
Arsenic	22 / 22	Failed	Passed	Failed	NA	Yes
Barium	22 / 22	Failed	Passed	Failed	NA	Yes
Beryllium	22 / 22	Failed	Failed	Failed	NA	Yes
Cadmium	0 / 22	Passed	NA	NA	NA	
Calcium	22 / 22	Passed	NA	NA	NA	
Chromium	22 / 22	Failed	Passed	Failed	NA	Yes
Cobalt	22 / 22	Failed	Passed	Failed	NA	Yes
Copper	22 / 22	Failed	Failed	Failed	NA	Yes
Iron	22 / 22	Failed	Passed	Failed	NA	Yes
Lead	22 / 22	Failed	Failed	Failed	NA	Yes
Magnesium	22 / 22	Failed	Passed	Failed	NA	Yes
Manganese	22 / 22	Failed	Passed	Failed	NA	Yes
Mercury	16 / 22	Failed	Passed	NA ^e	Passed	
Nickel	22 / 22	Failed	Passed	Failed	NA	Yes
Potassium	22 / 22	Failed	Passed	Failed	NA	Yes
Selenium	4 / 22	Failed	Passed	NA ^e	Failed	Yes
Silver	4 / 22	Failed	Passed	NA ^e	Failed	Yes
Sodium	11 / 22	Passed	NA	NA	NA	
Thallium	0 / 22	Passed	NA	NA	NA	
Vanadium	22 / 22	Passed	NA	NA	NA	
Zinc	22 / 22	Failed	Passed	Failed	NA	Yes

NA = not applicable; MDC = maximum detected concentration; UTL = upper tolerance limit

a Tier 1 evaluation (site MDC compared to 2 x the background mean) per **Selecting Site-Related Chemicals for Human Health and Ecological Risk Assessments for FTMC, Revision 2**, Technical Memorandum, 24 June 2003 by Paul Goetchius.

b Part of Tier 2 evaluation per the above referenced memo.

c Performed only when the Slippage test and/or WRS test cannot be performed.

d Slippage test is not performed on data sets for which the maximum background value is a nondetect.

e WRS test is not performed on data sets containing 50% or more nondetects.

Table 2

**Summary of Tier 1 and Tier 2 Site to Background Comparison
Total Soil, Impact Area South of POW, Parcels 100(Q) and 101(Q)
Fort McClellan
Calhoun County, Alabama**

Metals	Frequency of Detection	Tier 1 Evaluation ^a	Slippage Test ^b	Wilcoxon Rank Sum Test ^b	Hot Measurement Test ^{b,c}	Carried Forward for Tier 3 Geochemical Evaluation
Aluminum	42 / 42	Failed	Passed	Failed	NA	Yes
Antimony	3 / 42	Failed	NA ^d	NA ^e	Failed	Yes
Arsenic	42 / 42	Failed	Passed	Failed	NA	Yes
Barium	42 / 42	Passed	NA	NA	NA	
Beryllium	36 / 42	Failed	Passed	Failed	NA	Yes
Cadmium	0 / 42	Passed	NA	NA	NA	
Calcium	40 / 42	Failed	Passed	Passed	NA	
Chromium	42 / 42	Failed	Passed	Failed	NA	Yes
Cobalt	38 / 42	Failed	Passed	Failed	NA	Yes
Copper	42 / 42	Failed	Failed	Failed	NA	Yes
Iron	42 / 42	Failed	Passed	Failed	NA	Yes
Lead	42 / 42	Failed	Passed	Failed	NA	Yes
Magnesium	42 / 42	Failed	Passed	Failed	NA	Yes
Manganese	42 / 42	Failed	Passed	Failed	NA	Yes
Mercury	31 / 42	Failed	Passed	NA ^e	Failed	Yes
Nickel	42 / 42	Failed	Passed	Failed	NA	Yes
Potassium	42 / 42	Failed	Passed	Failed	NA	Yes
Selenium	11 / 42	Failed	Failed	NA ^e	Failed	Yes
Silver	6 / 42	Failed	Failed	NA ^e	Failed	Yes
Sodium	20 / 42	Passed	NA	NA	NA	
Thallium	0 / 42	Passed	NA	NA	NA	
Vanadium	42 / 42	Passed	NA	NA	NA	
Zinc	42 / 42	Failed	Passed	Failed	NA	Yes

NA = not applicable; MDC = maximum detected concentration; UTL = upper tolerance limit

a Tier 1 evaluation (site MDC compared to 2 x the background mean) per **Selecting Site-Related Chemicals for Human Health and Ecological Risk Assessments for FTMC, Revision 2**, Technical Memorandum, 24 June 2003 by Paul Goetchius.

b Part of Tier 2 evaluation per the above referenced memo.

c Performed only when the Slippage test and/or WRS test cannot be performed.

d Slippage test is not performed on data sets for which the maximum background value is a nondetect.

e WRS test is not performed on data sets containing 50% or more nondetects.

Table 3

**Summary of Tier 1 and Tier 2 Site to Background Comparison
Groundwater, Impact Area South of POW, Parcels 100(Q) and 101(Q)
Fort McClellan
Calhoun County, Alabama**

Metals	Frequency of Detection	Tier 1 Evaluation ^a	Slippage Test ^b	Wilcoxon Rank Sum Test ^b	Hot Measurement Test ^{b,c}	Carried Forward for Tier 3 Geochemical Evaluation
Aluminum	2 / 2	Passed	NA	NA	NA	
Antimony	0 / 2	NA	NA	NA	NA	
Arsenic	0 / 2	NA	NA	NA	NA	
Barium	1 / 2	Passed	NA	NA	NA	
Beryllium	0 / 2	NA	NA	NA	NA	
Cadmium	0 / 2	NA	NA	NA	NA	
Calcium	0 / 2	NA	NA	NA	NA	
Chromium	0 / 2	NA	NA	NA	NA	
Cobalt	1 / 2	Passed	NA	NA	NA	
Copper	0 / 2	NA	NA	NA	NA	
Iron	2 / 2	Passed	NA	NA	NA	
Lead	0 / 2	NA	NA	NA	NA	
Magnesium	0 / 2	NA	NA	NA	NA	
Manganese	2 / 2	Failed	Passed	NA ^d	Passed	
Mercury	0 / 2	NA	NA	NA	NA	
Nickel	0 / 2	NA	NA	NA	NA	
Potassium	0 / 2	NA	NA	NA	NA	
Selenium	0 / 2	NA	NA	NA	NA	
Silver	0 / 2	NA	NA	NA	NA	
Sodium	0 / 2	NA	NA	NA	NA	
Thallium	0 / 2	NA	NA	NA	NA	
Vanadium	0 / 2	NA	NA	NA	NA	
Zinc	0 / 2	NA	NA	NA	NA	

NA = not applicable; MDC = maximum detected concentration; UTL = upper tolerance limit

a Tier 1 evaluation (site MDC compared to 2 x the background mean) per **Selecting Site-Related Chemicals for Human Health and Ecological Risk Assessments for FTMC, Revision 2**, Technical Memorandum, 24 June 2003 by Paul Goetchius.

b Part of Tier 2 evaluation per the above referenced memo.

c Performed only when the Slippage test and/or WRS test cannot be performed.

d WRS test is not performed on data sets with less than 5 samples.

concentrations in a small percentage of the total number of site samples. No single two-sample statistical comparison test is sensitive to both of these modes of contamination. For this reason, the use of several simultaneous tests is recommended for a valid and complete comparison of site versus background distributions (U.S. Environmental Protection Agency [EPA], 1989, 1992, and 1994; U.S. Navy, 2002).

Analytes that fail the Tier 1 and Tier 2 comparisons are subject to a geochemical evaluation to determine if the elevated concentrations are due to natural processes or if they represent potential contamination.

2.1.1 Tier 1 - In this step of the background screening process, the maximum detected concentration (MDC) of the site data set is compared to the background screening value of two times the background mean (SAIC, 1998). Elements for which the site MDC does not exceed the background screening value are considered to be present at background concentrations, and are not considered site-related chemicals. Elements for which the site MDC exceeds the background screening value undergo further evaluation (Tier 2).

2.1.2 Tier 2 –

Slippage Test – The nonparametric Slippage test is designed to detect a difference between the upper tails of two distributions, and has been recommended for use in site-to-background comparisons to identify potential localized, or hot-spot, contamination (U.S. Navy, 2002). The test is performed by counting the number (K) of detected concentrations in the site data set that exceed the maximum background measurement, and then comparing this number to a critical value (K_c), which is a function of the number of background samples and the number of site samples. If $K > K_c$, then potential contamination is indicated and the analyte will be subjected to geochemical evaluation. If $K \leq K_c$, then localized contamination is not suspected.

Critical values tables for site and background data sets up to size $n = 50$ are provided in U.S. Navy (2002). Critical values for larger data sets are calculated using the test statistic provided in Rosenbaum (1954). In this report, the Slippage test is performed at the 95 percent confidence level. The test cannot be performed if the maximum background value is a nondetect, because the actual concentration in that sample is unknown.

Wilcoxon Rank Sum Test. The nonparametric WRS test is designed to detect a difference between the medians of two data sets, and has been recommended for use in site-to-background comparisons to identify slight but pervasive contamination (EPA, 2000; U.S. Navy, 2002). In

this report, the WRS test is performed when the site and background data sets each contain less than 50 percent nondetects (i.e., measurements reported as not detected below the laboratory reporting limit). The WRS test will not be performed on data sets containing 50 percent or more nondetects. The medians of such data sets are unknown, and hence the test results would lack sufficient power to yield reliable results.

The WRS test compares two data sets of size n and m ($n > m$), and tests the null hypothesis that the samples were drawn from populations with distributions having the same medians. To perform the test, the two sets of observations are pooled and arranged in order from smallest to largest. Each observation is assigned a rank; that is, the smallest is ranked 1, the next largest is ranked 2, and so on up to the largest observation, which is ranked $(n + m)$. If ties occur between or within samples, each one is assigned the mid-rank. Next, the sum of the ranks of smaller data set m is calculated. Then the test statistic Z is determined,

$$Z = \frac{W - m(m + n + 1)/2}{\sqrt{mn(m + n + 1)/12}}$$

Where:

- W = Sum of the ranks of the smaller data set
- m = Number of data points in smaller group
- n = Number of data points in larger group.

This test statistic Z is used to find the two-sided significance. For instance, if the test statistic yields a probability of a Type I error (p-level) less than 0.2, then there is a statistically significant difference between the medians at the 80 percent confidence level. A Type I error involves rejecting the null hypothesis when it is true. If the p-level is greater than 0.2, then there is no reasonable justification to reject the null hypothesis at the 80 percent confidence level. It can therefore be concluded that the medians of the two data sets are similar, and it can be assumed to be drawn from the same population.

If the p-level is less than 0.2, then the medians of the two distributions are significantly different at the 80 percent confidence level. This can occur if the site data are shifted higher or lower than the background data. If the site data are shifted higher relative to background, then contamination may be indicated, and the analyte in question will be carried on for geochemical evaluation; however, if the site data are shifted lower relative to background, then contamination

is not indicated. If the p-level is greater than 0.2, then pervasive site contamination is not suspected.

Box Plots. A quick, robust graphical method recommended by the EPA to visualize and compare two or more groups of data is the box plot comparison (EPA, 1989 and 1992). These plots provide a summary view of the entire data set, including the overall location and degree of symmetry. The box encloses the central 50 percent of the data points so that the top of the box represents the 75th percentile and the bottom of the box represents the 25th percentile. The small box within the larger box represents the median of the data set. The upper whisker extends outward from the box to the maximum point and the lower whisker extends to the minimum point. Nondetect results are set equal to one-half of the reporting limit for plotting purposes.

For each analyte, box plots of site and background data are placed side by side to visually compare the distributions and qualitatively determine whether the data sets are similar or distinct. Accordingly, the box plots are a necessary adjunct to the WRS test. As described previously, the WRS test may indicate that the medians of the site and background data sets are significantly different. Examination of the box plots will confirm whether that difference is caused by site data that are shifted higher or lower relative to background.

Hot Measurement Test. The hot measurement test consists of comparing each site measurement with a concentration value that is representative of the upper limit of the background distribution (EPA, 1994). Ideally, a site sample with a concentration above the background screening value would have a low probability of being a member of the background distribution, and may be an indicator of contamination. It is important to select such a background screening value carefully so that the probability of falsely identifying site samples as contaminated or uncontaminated is minimized.

The 95th upper tolerance limit (95th UTL) is recommended as a screening value for normally or lognormally distributed analytes and the 95th percentile is recommended as a screening value for nonparametrically distributed analytes (EPA, 1989, 1992, and 1994). Site samples with concentrations above these values are not necessarily contaminated, but should be considered suspect. To perform the test, each analyte's site MDC is compared to the background 95th UTL or 95th percentile, in accordance with the type of background distribution. If the site MDC exceeds the background screening value, then that analyte will undergo a geochemical evaluation. If the MDC does not exceed the background threshold value, then hot-spot contamination is not indicated.

2.1.3 Geochemical Evaluation

If an analyte fails either of the statistical tests described above then a geochemical evaluation is performed to determine if the elevated concentrations are caused by natural processes. The methodology and results of the geochemical evaluation are provided in Appendix H.

3.0 Results of the Site-to-Background Comparisons

This section presents the results of the site-to-background comparisons for 23 TAL metals in the IASPOW surface soil, total soil, and groundwater samples. The WRS test results with corresponding box plots are provided in Attachment 1. Tables 1 through 3 summarize the Tier 1 and Tier 2 test results for each media as discussed in the following sections.

3.1 Surface Soil

Twenty-three TAL metals were evaluated in the IASPOW surface soil. Two metals, cadmium and thallium, had no detected concentrations in surface soil, so no further discussion of these metals is included. Calcium, sodium and vanadium passed the Tier 1 evaluation having no detected concentrations exceeding the background screening value. These metals will not be considered or discussed further. The remaining eighteen metals are carried forward for Tier 2 evaluation.

Table 1 summarizes the surface soil statistical site to background comparison results. Box plots are provided in Attachment 1.

Aluminum

Tier 1 Evaluation

Twenty site samples exceed the background screening value of 16,306 mg/kg.

Slippage Test

The critical value, K_c , for aluminum is 3, and no site samples exceed the maximum background measurement ($K = 0$). Because $K < K_c$, aluminum passes the Slippage test.

WRS Test

The p-level of < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-1).

Conclusion

Because aluminum in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Antimony

Tier 1 Evaluation

One site sample exceeds the background screening value of 1.99 mg/kg.

Slippage Test

Because the maximum result of antimony in background is a nondetect, this test could not be performed.

WRS Test

The site data set contained greater than 50 percent nondetects (95 percent), so this test could not be performed.

Hot Measurement Test

The MDC of antimony is less than the background 95th percentile of 7.14 mg/kg.

Box Plot

The site minimum, interquartile range, and maximum are higher than the corresponding background values (Figure 1-1). The shape and location of the site box plot reflects the high percentage of nondetects (95 percent), and the replacement values of one-half the reporting limit rather than detected concentrations.

Conclusion

Antimony is considered within the range of background based on the Hot Measurement test.

Arsenic

Tier 1 Evaluation

Two site samples of arsenic exceed the background screening value of 13.73 mg/kg.

Slippage Test

The critical value, K_c , for arsenic is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, arsenic passes the Slippage test.

WRS Test

The p-level of < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-2).

Conclusion

Because arsenic in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Barium

Tier 1 Evaluation

One site sample exceeds the background screening value of 123.94 mg/kg.

Slippage Test

The K_c for barium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, barium passes the Slippage test.

WRS Test

The p-level of 0.002 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-2).

Conclusion

Because barium in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Beryllium

Tier 1 Evaluation

Eight site samples exceed the background screening value of 0.8 mg/kg.

Slippage Test

K_c is 3 and seven site samples exceed the maximum background measurement. Because $K > K_c$, beryllium fails the Slippage test.

WRS Test

The p-level of < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum, interquartile range, and maximum are higher than the corresponding background values (Figure 1-3).

Conclusion

Because beryllium in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Chromium

Tier 1 Evaluation

One site sample exceeds the background screening value of 37.04 mg/kg.

Slippage Test

K_c for chromium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, chromium passes the Slippage test.

WRS Test

The p-level of 0.02 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the respective background values (Figure 1-3).

Conclusion

Because chromium in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Cobalt

Tier 1 Evaluation

One site sample exceeds the background screening value of 15.15 mg/kg.

Slippage Test

K_c for cobalt is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, cobalt passes the Slippage test.

WRS Test

The p-level of < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the respective background values (Figure 1-4).

Conclusion

Because cobalt in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Copper

Tier 1 Evaluation

Nineteen site samples exceed the background screening value of 12.71 mg/kg.

Slippage Test

K_c for copper is 3, and fourteen site samples exceed the maximum background measurement. Because $K > K_c$, copper fails the Slippage test.

WRS Test

The p-level of < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum, interquartile range, and maximum are higher than the respective background values (Figure 1-4).

Conclusion

Because copper in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Iron

Tier 1 Evaluation

Two site samples exceed the background screening value of 34,154 mg/kg.

Slippage Test

The critical value, K_c , for iron is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$ iron passes the Slippage test.

WRS Test

The p-level of < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are visibly higher with respect to the corresponding background values (Figure 1-5).

Conclusion

Because iron in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Lead

Tier 1 Evaluation

Eighteen detected concentrations of lead in site samples exceed the background screening value of 40.05 mg/kg.

Slippage Test

K_c for lead is 3, and thirteen site samples exceed the maximum background measurement. Because $K > K_c$, lead fails the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum, interquartile range, and maximum are higher than that of background (Figure 1-5).

Conclusion

Because lead in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Magnesium

Tier 1 Evaluation

Three site samples exceed the background screening value of 1,033 mg/kg.

Slippage Test

K_c for magnesium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, magnesium passes the Slippage test.

WRS Test

The p-level < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher with respect to the corresponding background values (Figure 1-6).

Conclusion

Because magnesium in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Manganese

Tier 1 Evaluation

Twelve site samples exceed the background screening value of 1,579 mg/kg.

Slippage Test

The critical value, K_c , for manganese is three. No detects in site samples exceed the maximum background measurement. Because $K < K_c$, manganese passes the Slippage test.

WRS Test

The p-level < 0.001 indicates good agreement between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than their respective background values (Figure 1-6).

Conclusion

Because manganese in surface soil failed statistical comparison to background, it is carried forward for Tier 3 geochemical evaluation.

Mercury

Tier 1 Evaluation

Two site samples exceed the background screening value of 0.08 mg/kg.

Slippage Test

The critical value for mercury, K_c , is 3, and no site samples exceed the maximum background measurement. Since $K < K_c$, mercury passes the Slippage test.

WRS Test

The WRS test was not performed because the background data set contains more than 50 percent nondetects.

Box Plot

The site minimum and interquartile range are elevated relative to their corresponding background values (Figure 1-7). The shape and location of the background box plot reflects the high percentage of nondetects (66 percent), and the replacement values of one-half the reporting limit rather than detected concentrations.

Hot Measurement Test

No site samples of mercury exceed the background 95th percentile of 0.125 mg/kg.

Conclusion

Mercury in surface soil is considered within the range of background.

Nickel

Tier 1 Evaluation

Fifteen site samples exceed the background screening value of 10.33 mg/kg.

Slippage Test

K_c for nickel is three, and no site samples exceed maximum background measurement. Because $K < K_c$ nickel passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-7).

Conclusion

Because nickel in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Potassium

Tier 1 Evaluation

Nine site samples exceed the background screening value of 799.76 mg/kg.

Slippage Test

K_c for potassium is three, and no site samples exceed maximum background measurement. Because $K < K_c$ potassium passes the Slippage test.

WRS Test

The $p\text{-level} < 0.001$ indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-8).

Conclusion

Because potassium in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Selenium

Tier 1 Evaluation

Four detected concentrations in the site data set exceed the background screening value of 0.48 mg/kg.

Slippage Test

K_c for selenium is 3, and two site samples exceed the maximum background measurement. Because $K < K_c$, selenium passes the Slippage test.

WRS Test

No WRS test was performed because the site and background data sets each contain greater than 50 percent nondetects.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-8). The shapes and locations of the background and site box plots reflect the high percentage of nondetects (99% and 82% respectively), and the replacement values of one-half the reporting limit rather than detected concentrations.

Hot Measurement Test

The site MDC exceeds the background 95th percentile of 0.563 mg/kg.

Conclusion

Because selenium in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Silver

Tier 1 Evaluation

Four site samples exceed the background screening value of 0.36 mg/kg.

Slippage Test

K_c for silver is 3, and two site samples exceed the maximum background measurement. Because $K < K_c$, silver passes the Slippage test.

WRS Test

No WRS test was performed because the site data set contains greater than 50 percent nondetects.

Box Plot

The site minimum and interquartile range are much higher than the corresponding background values (Figure 1-9). The shape and location of the site box plot reflects the high percentage of nondetects (82% respectively), and the replacement values of one-half the reporting limit rather than detected concentrations.

Hot Measurement Test

The site MDC exceeds the background 95th percentile of 0.774 mg/kg.

Conclusion

Because silver in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Zinc

Tier 1 Evaluation

Seven site samples exceed the background screening value of 40.64 mg/kg.

Slippage Test

K_c for zinc is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, zinc passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the respective background values (Figure 1-9).

Conclusion

Because zinc in surface soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

3.2 Total Soil

Twenty-three TAL metals were evaluated in the IASPOW total soil. Two metals, cadmium and thallium, had no detected concentrations in total soil so no further discussion of these metals is included. In addition, three metals, (barium, sodium, and vanadium) have MDCs less than their respective background screening values. Because these metals passed the Tier 1 evaluation, they will not be discussed further.

Table 2 summarizes the total soil statistical site to background comparison results. The remaining eighteen metals are carried forward for Tier 2 evaluation, and the test results are discussed below in detail. Box plots are provided in Attachment 1.

Aluminum

Tier 1 Evaluation

Thirty-nine site samples of aluminum exceed the background screening value of 15,009 mg/kg.

Slippage Test

The critical value, K_c , of aluminum is 3. No site samples exceed the maximum background measurement ($K = 0$). Because $K < K_c$, aluminum passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-10).

Conclusion

Because aluminum in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Antimony

Tier 1 Evaluation

Three site samples exceed the background screening value of 1.655 mg/kg.

Slippage Test

Because the maximum result in background is a nondetect, the Slippage test is not performed.

WRS Test

The WRS test was not performed because the site data set contains more than 50 percent nondetects (93 percent).

Box Plot

The site minimum, interquartile range, and maximum are higher than the corresponding background values (Figure 1-10).

Hot Measurement Test

The site MDC exceeds the background 95th percentile of 7.14 mg/kg.

Conclusion

Because antimony in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Arsenic

Tier 1 Evaluation

Two site samples exceed the background screening value of 15.975 mg/kg.

Slippage Test

K_c for arsenic is 3, and one site sample exceeds the maximum background measurement. Because $K < K_c$, arsenic passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference in the site and background distributions.

Box Plot

The site minimum is much higher than that of background, and the interquartile range is just slightly elevated as compared to the respective background values (Figure 1-11).

Conclusion

Because arsenic in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Beryllium

Tier 1 Evaluation

Eight site samples of beryllium exceed the background screening value of 0.831 mg/kg.

Slippage Test

K_c for beryllium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, beryllium passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference in the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the corresponding background values (Figure 1-11).

Conclusion

Because beryllium in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Calcium

Tier 1 Evaluation

One site sample exceeds the background screening value of 1,204 mg/kg.

Slippage Test

K_c for calcium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, calcium passes the Slippage test.

WRS Test

The p-level of 0.32 indicates good agreement between the site and background distributions.

Box Plot

The site minimum is slightly higher than that of background, but the medians are similar and the site 25th percentile, 75th percentile and maximum are lower than the corresponding background values (Figure 1-12).

Conclusion

Calcium in total soil is considered within the range of background.

Chromium

Tier 1 Evaluation

Three site samples exceed the background screening value of 37.6 mg/kg.

Slippage Test

The critical value, K_c , for chromium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, chromium passes the Slippage test.

WRS Test

The p-level of 0.0238 indicates significant difference between the site and background distributions.

Box Plot

The site minimum, 25th percentile and median are slightly elevated as compared to their respective background values (Figure 1-12).

Conclusion

Because chromium in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Cobalt

Tier 1 Evaluation

Two site samples exceed the background screening value of 16.3 mg/kg.

Slippage Test

The critical value, K_c , for cobalt is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, cobalt passes the Slippage test.

WRS Test

The p-level < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are slightly elevated as compared to their respective background values (Figure 1-13).

Conclusion

Because cobalt in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Copper

Tier 1 Evaluation

Eighteen site samples exceed the background screening value of 15.93 mg/kg.

Slippage Test

K_c for copper is 3, and five site samples exceed the maximum background measurement. Because $K > K_c$, copper fails the Slippage test.

WRS Test

The p-level of < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum, interquartile range, and maximum are higher than the respective background values (Figure 1-13).

Conclusion

Because copper in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Iron

Tier 1 Evaluation

Four site samples exceed the background screening value of 39,247 mg/kg.

Slippage Test

K_c for iron is 3, and no site sample exceeds the maximum background measurement. Because $K < K_c$, iron passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the respective background values (Figure 1-14).

Conclusion

Because iron in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Lead

Tier 1 Evaluation

Twenty-one site samples exceed the background screening value of 39.3 mg/kg.

Slippage Test

K_c for lead is 3, and three site samples exceed the maximum background measurement. Because $K \leq K_c$, lead passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum, interquartile range, and maximum are higher than the respective background values (Figure 1-14).

Conclusion

Because lead in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Magnesium

Tier 1 Evaluation

Five site samples exceed the background screening value of 905.58 mg/kg.

Slippage Test

K_c for magnesium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, magnesium passes the Slippage test.

WRS Test

The p -level < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are visibly higher with respect to background (Figure 1-15).

Conclusion

Because magnesium in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Manganese

Tier 1 Evaluation

Fifteen site samples exceed the background screening value of 1,472 mg/kg.

Slippage Test

K_c for manganese is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, manganese passes the Slippage test.

WRS Test

The p -level < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are visibly higher with respect to the corresponding background values (Figure 1-15).

Conclusion

Because manganese in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Mercury

Tier 1 Evaluation

Fourteen site samples exceed the background screening value of 0.0704 mg/kg.

Slippage Test

The critical value for mercury, K_c , is 3, and no site samples exceed the maximum background measurement. Since $K < K_c$, mercury passes the Slippage test.

WRS Test

The WRS test was not performed because the background data set contains more than 50 percent nondetects.

Box Plot

The site minimum and interquartile range are elevated relative to the corresponding background values (Figure 1-16). The shape and location of the background box plot is influenced by the percentage of nondetects (60 percent), and the replacement values of one-half the reporting limit rather than detected concentrations.

Hot Measurement Test

The site MDC of mercury exceeds the background 95th percentile of 0.094 mg/kg.

Conclusion

Because mercury in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Nickel

Tier 1 Evaluation

Eighteen site samples exceed the background screening value of 11.56 mg/kg.

Slippage Test

K_c for nickel is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, nickel passes the Slippage test.

WRS Test

The p-level of < 0.001 indicates a difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are higher than the respective background values (Figure 1-16).

Conclusion

Because nickel in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Potassium

Tier 1 Evaluation

Fifteen site samples exceed the background screening value of 757.24 mg/kg.

Slippage Test

K_c for potassium is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, potassium passes the Slippage test.

WRS Test

The p -level < 0.001 indicates significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are visibly higher with respect to background (Figure 1-17).

Conclusion

Because potassium in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Selenium

Tier 1 Evaluation

Eleven site samples exceed the background screening value of 0.48 mg/kg.

Slippage Test

K_c for selenium is 3, and six site samples exceed the maximum background measurement. Because $K > K_c$, selenium fails the Slippage test.

WRS Test

No WRS test was performed because the background data set contains greater than 50 percent nondetects.

Box Plot

The site minimum, interquartile range, and maximum are higher than the corresponding background values (Figure 1-17). The shape and location of the background box plot reflects the high percentage of nondetects (98 percent), and the replacement values of one-half the reporting limit.

Hot Measurement Test

The site MDC exceeds the background 95th percentile of 0.571 mg/kg.

Conclusion

Because selenium in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Silver

Tier 1 Evaluation

Six site samples exceed the background screening value of 0.303 mg/kg.

Slippage Test

K_c for silver is 3, and four site samples exceed the maximum background measurement. Because $K > K_c$, silver fails the Slippage test.

WRS Test

No WRS test was performed because the site data set contains greater than 50 percent nondetects.

Box Plot

The site minimum and interquartile range are significantly higher than the corresponding background values (Figure 1-18). The site maximum is also higher than that of background.

Hot Measurement Test

The site MDC exceeds the background 95th percentile of 0.803 mg/kg.

Conclusion

Because silver in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

Zinc

Tier 1 Evaluation

Thirteen site samples exceed the background screening value of 37.88 mg/kg.

Slippage Test

K_c for zinc is 3, and no site samples exceed the maximum background measurement. Because $K < K_c$, zinc passes the Slippage test.

WRS Test

The p-level < 0.001 indicates a significant difference between the site and background distributions.

Box Plot

The site minimum and interquartile range are visibly higher than the respective background values (Figure 1-18).

Conclusion

Because zinc in total soil failed statistical comparison to background, it will be carried forward for Tier 3 geochemical evaluation.

3.3 Groundwater

This section presents the results of the site-to-background comparisons for 23 metals unfiltered groundwater samples. Eighteen metals (antimony, arsenic, beryllium, cadmium, calcium, chromium, copper, lead, magnesium, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc) had no detects in the groundwater site samples and are not considered any further. Four metals (aluminum, barium, cobalt, and iron) had no detected concentrations that exceeded their respective background screening values. These metals are considered within the background range based on the Tier 1 evaluation, and will not be tested or discussed further. Table 2 summarizes these results.

The remaining metal, manganese has an MDC that exceeds the background screening value, and is carried forward for Tier 2 evaluation. The results of this evaluation are summarized in Table 3 and discussed in detail below. Box plots are provided in Attachment 1.

Manganese

Tier 1 Evaluation

One sample exceeds the background screening value of 0.58 mg/L.

Slippage Test

K_c for manganese is 1, and no site sample exceeds the maximum background measurement. Because $K < K_c$, manganese passes the Slippage test.

WRS Test

No WRS test was performed because the site data set has less than 5 samples.

Box Plot

The site minimum and interquartile range are elevated as compared to the corresponding background values (Figure 1-19).

Hot Measurement Test

The site MDC is less than the background 95th upper tolerance limit of 4.13 mg/L.

Conclusion

Manganese in groundwater is considered within the range of background.

4.0 Summary and Conclusions

The statistical methodology used to compare the Impact Area South of POW, Parcel 100(Q) and 101(Q), and background data sets for 23 elements in surface soil, total soil, and groundwater includes a comparison of the site MDC to the background screening value, Tier 1 evaluation. Analytes that failed this comparison were subjected to the Slippage test and WRS test. Box-and-whisker plots were prepared to visually compare the two data sets and properly interpret the WRS test results. For elements with data sets that did not allow for either the Slippage test or WRS test to be performed, the Hot Measurement test was used. Analytes that failed these statistical tests, Tier 2 evaluation, are carried forward for Tier 3 geochemical evaluation to determine if natural processes can explain the elevated concentrations.

Tables 1 through 3 summarize the comparison test results and show the metals carried forward for geochemical evaluation.

5.0 References

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ATTACHMENT 1

Figure 1-1

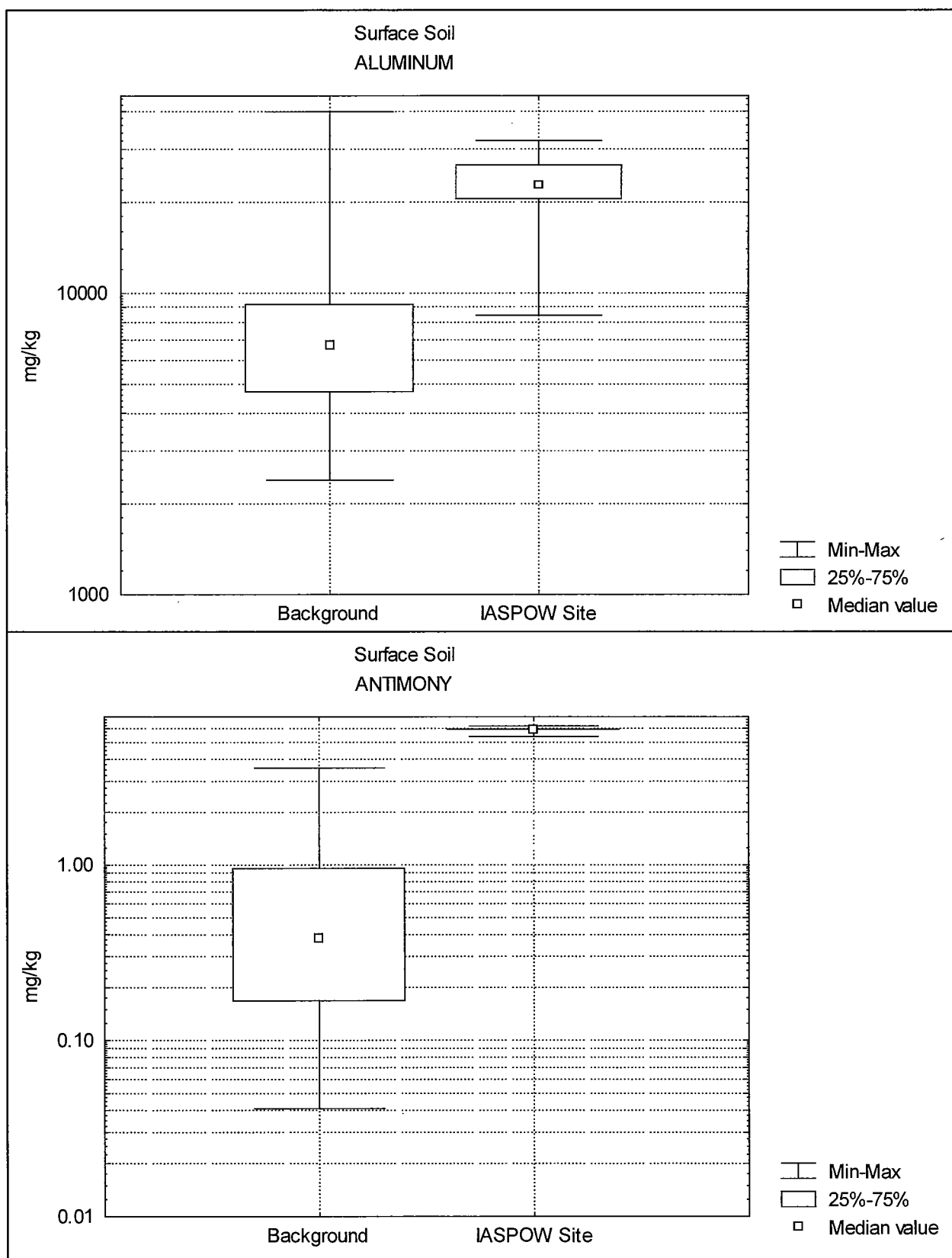


Figure 1-2

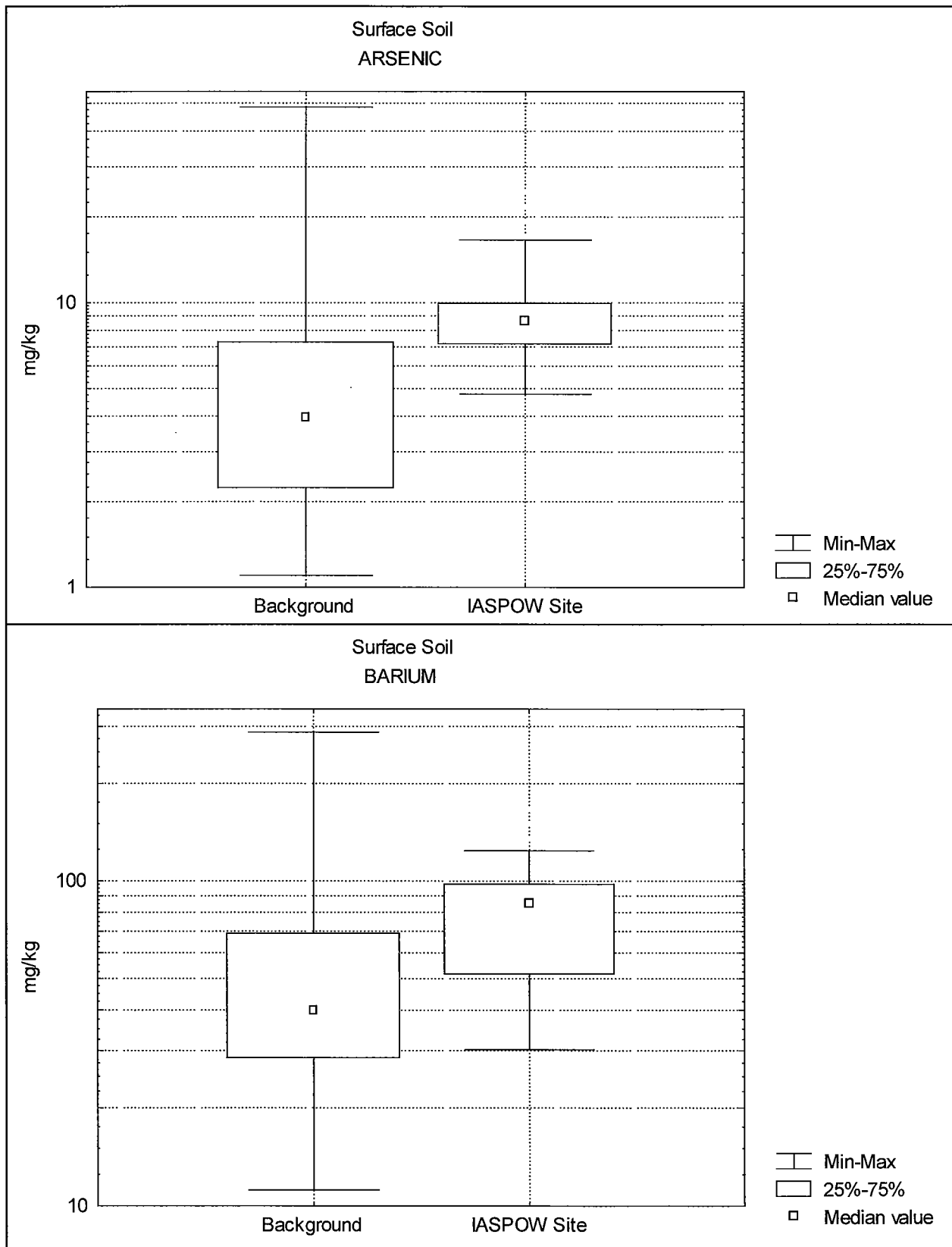


Figure 1-3

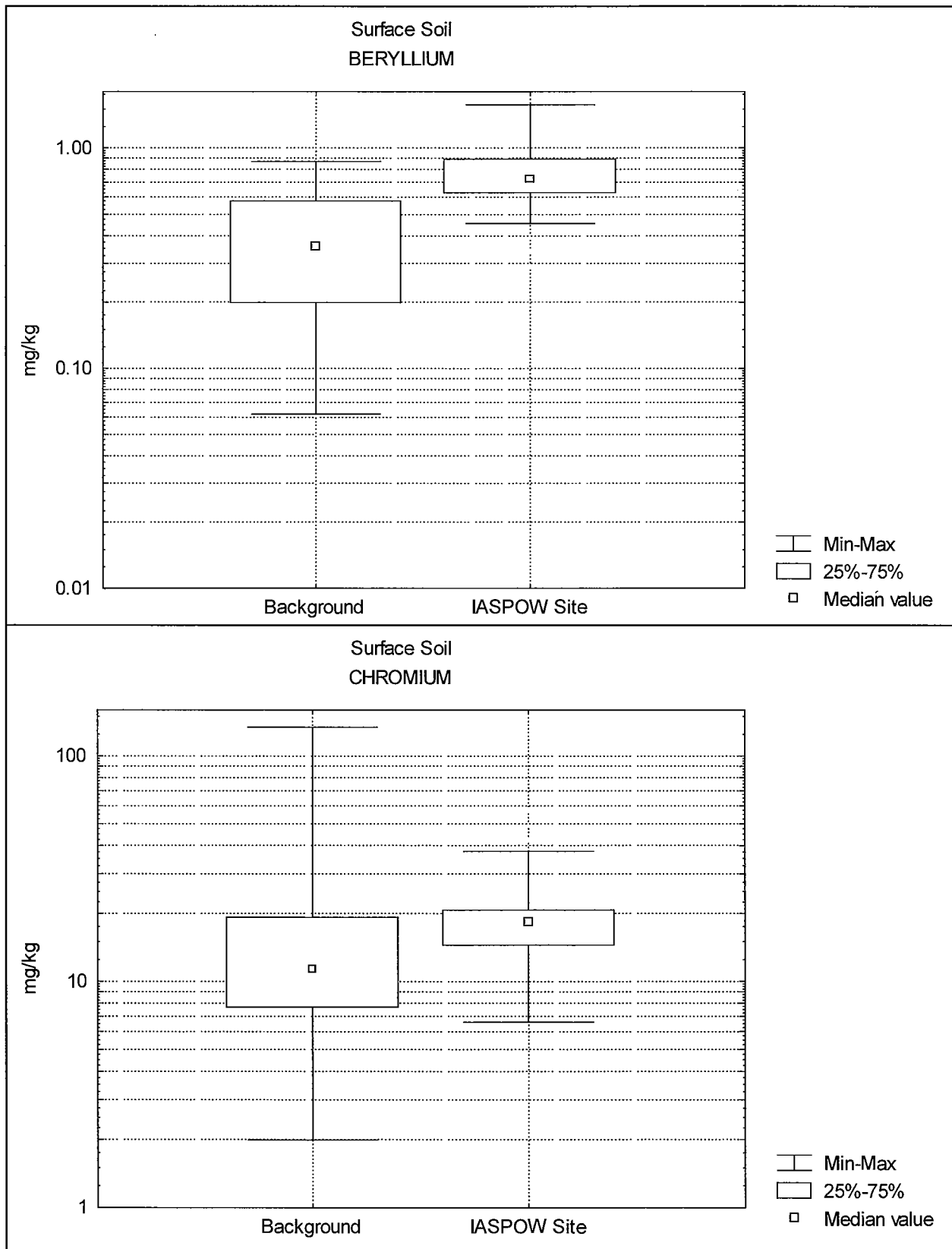


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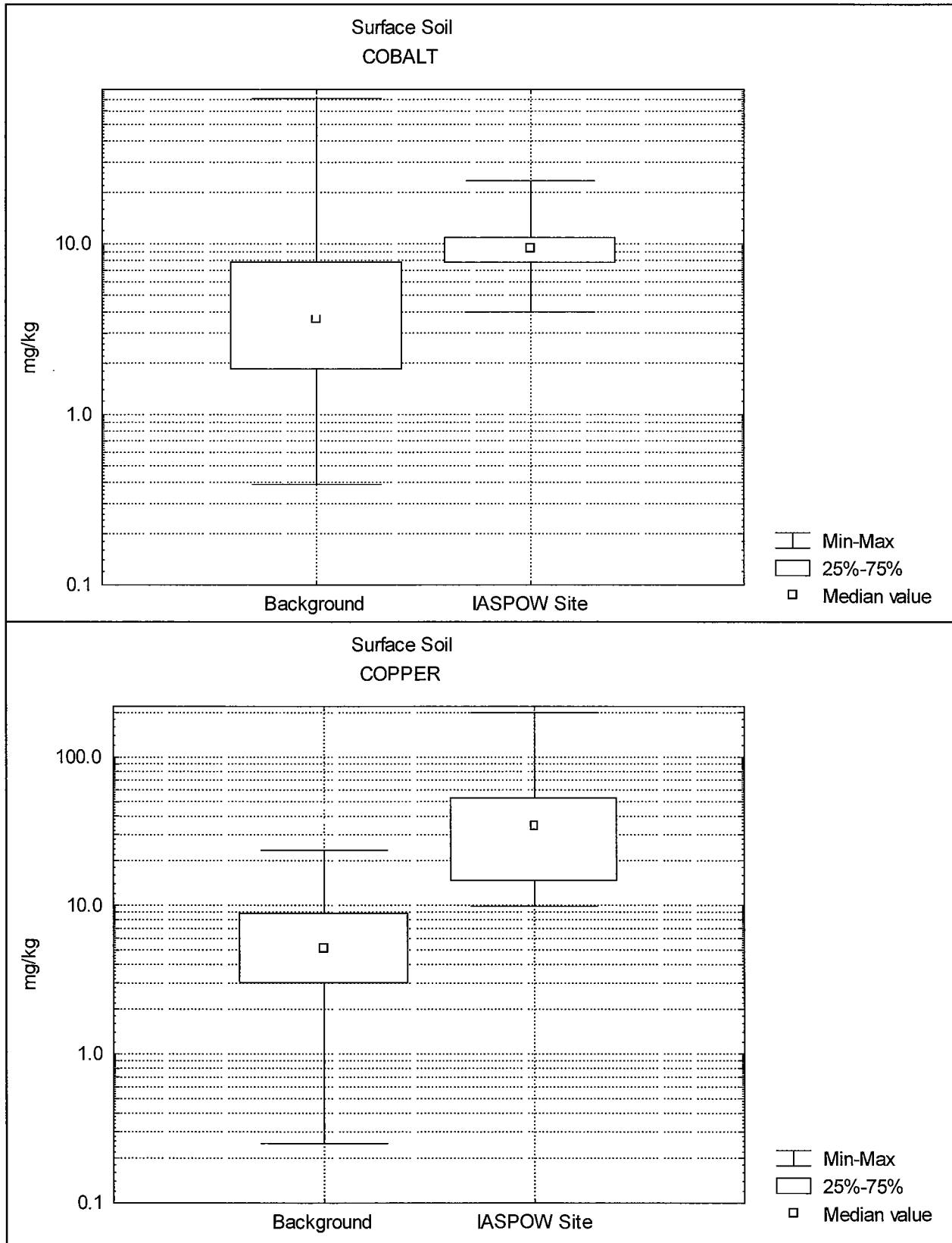


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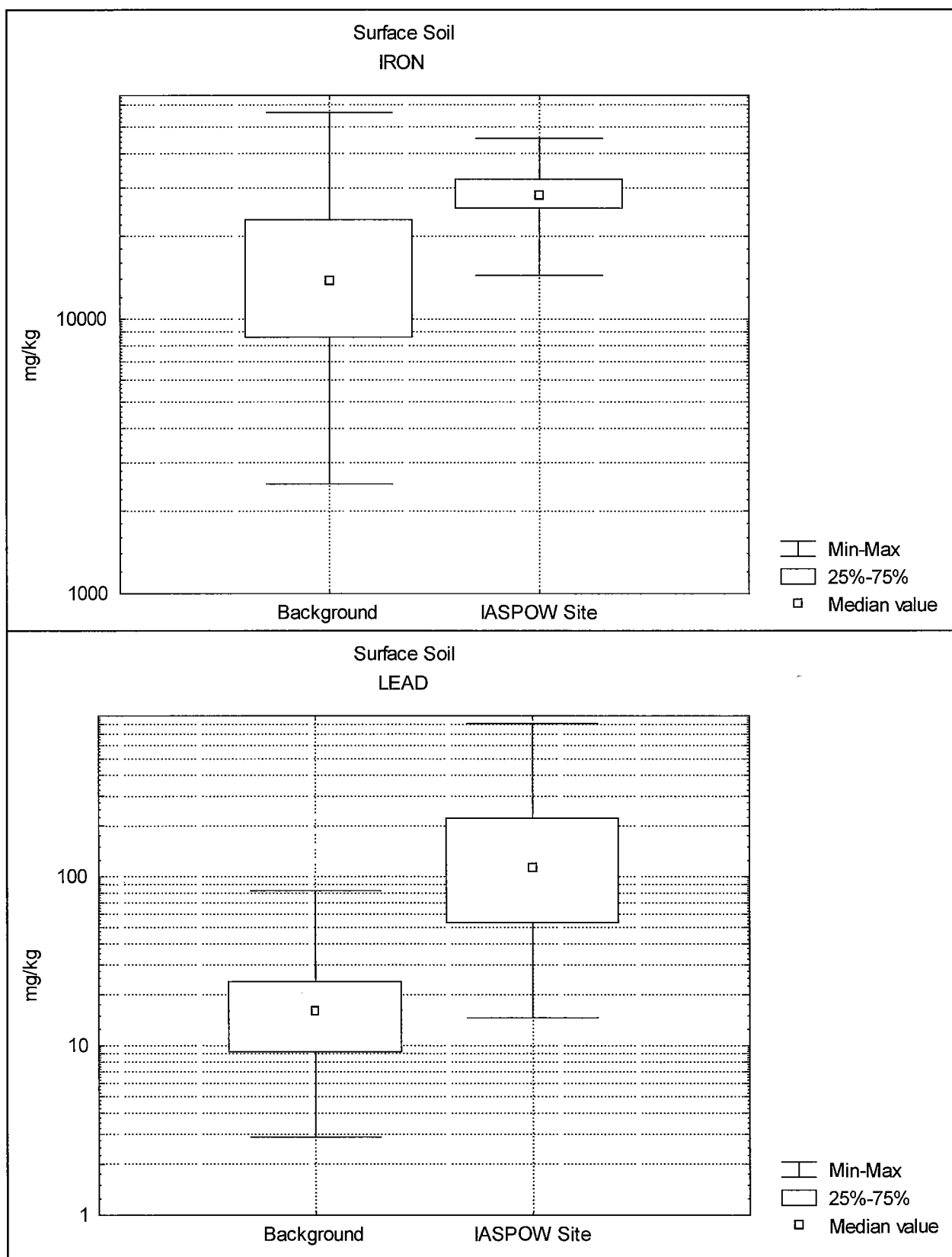


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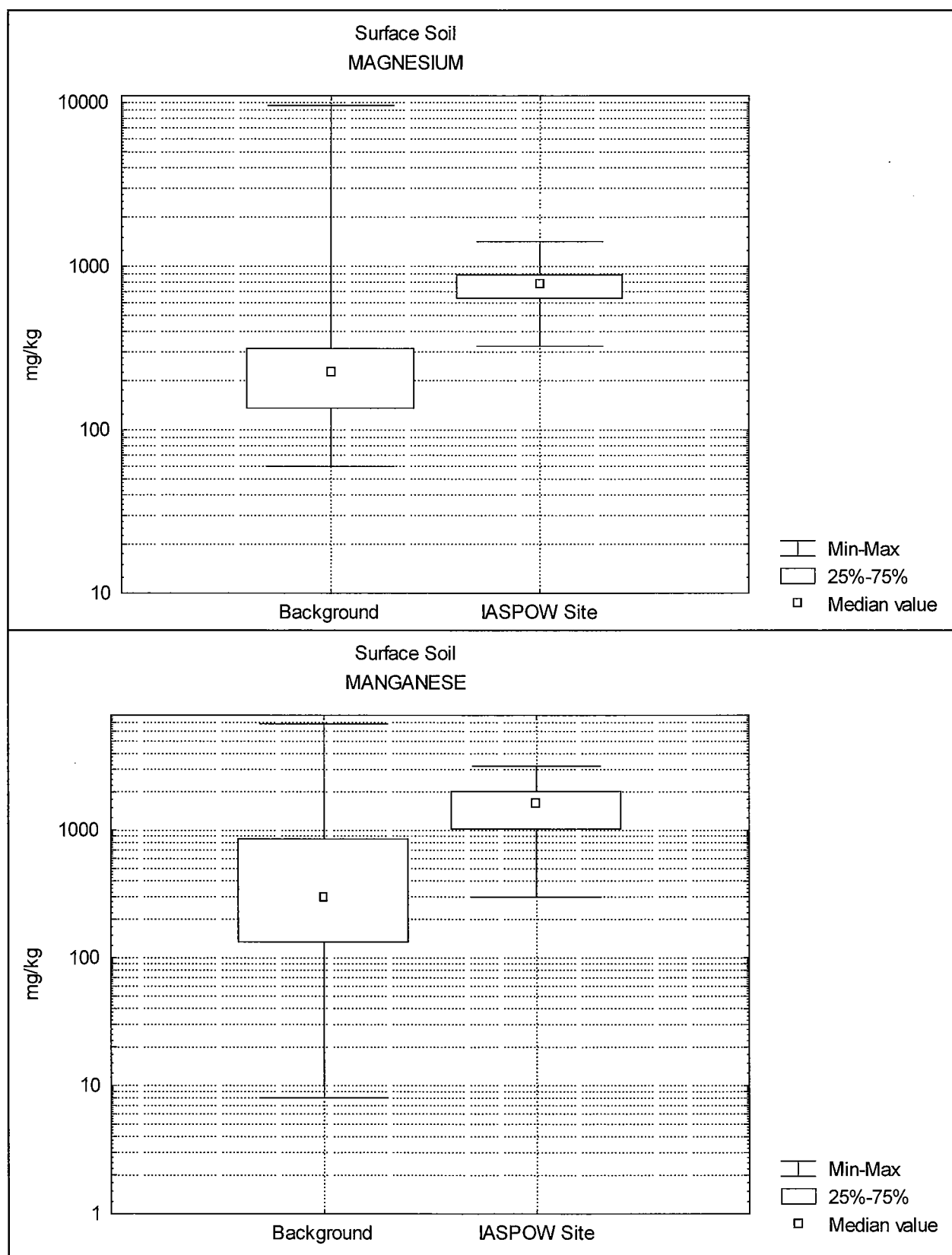


Figure 1-7

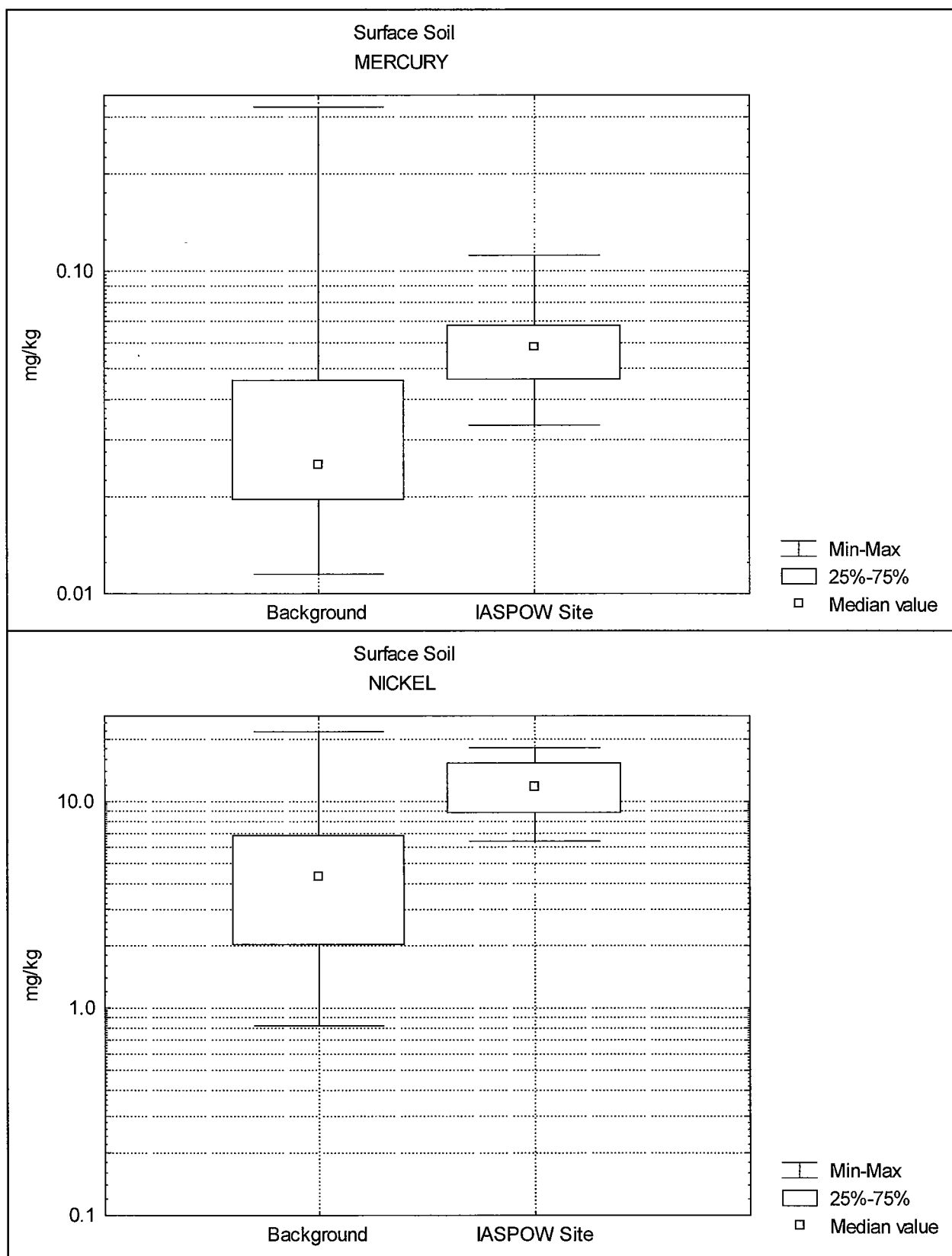


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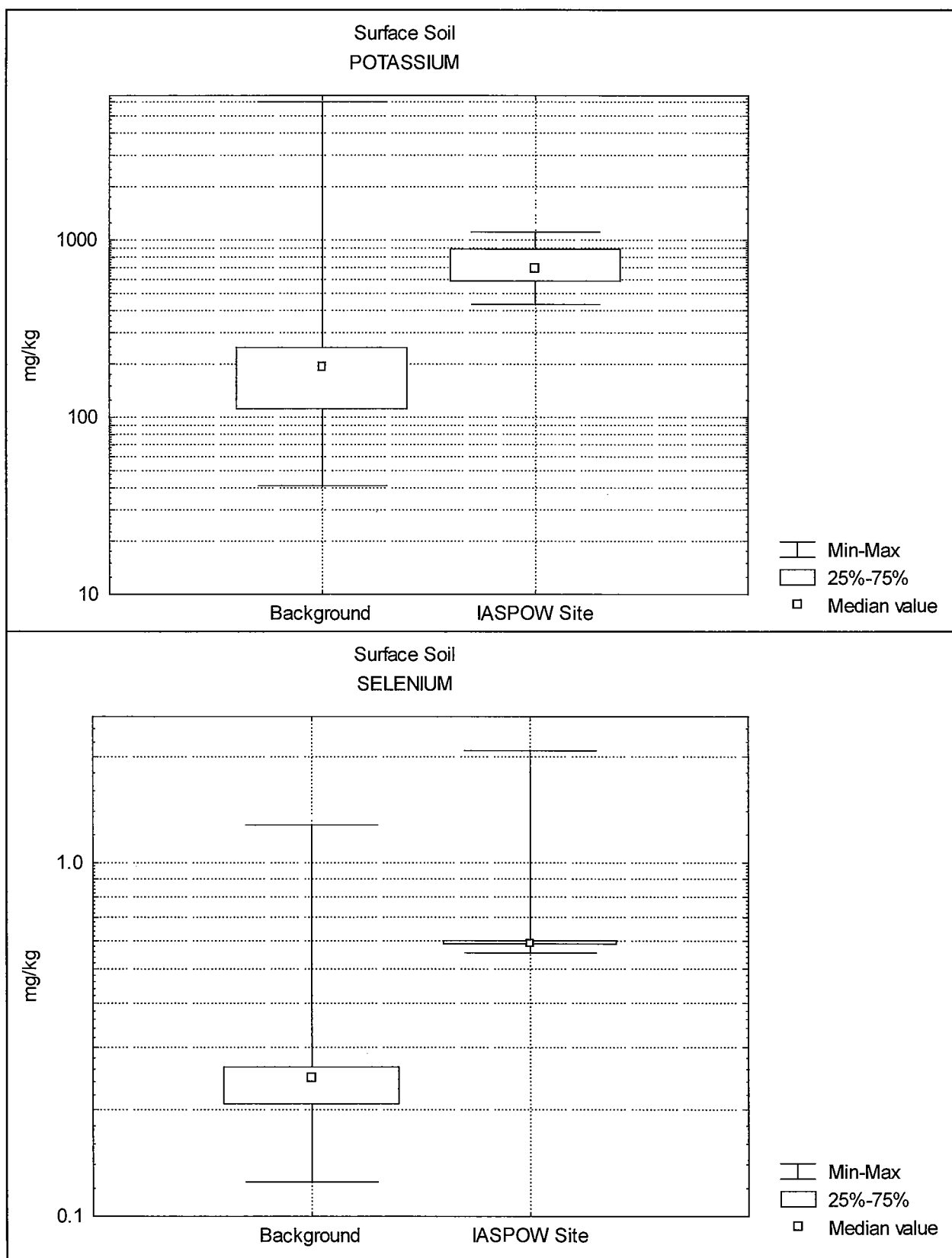


Figure 1-9

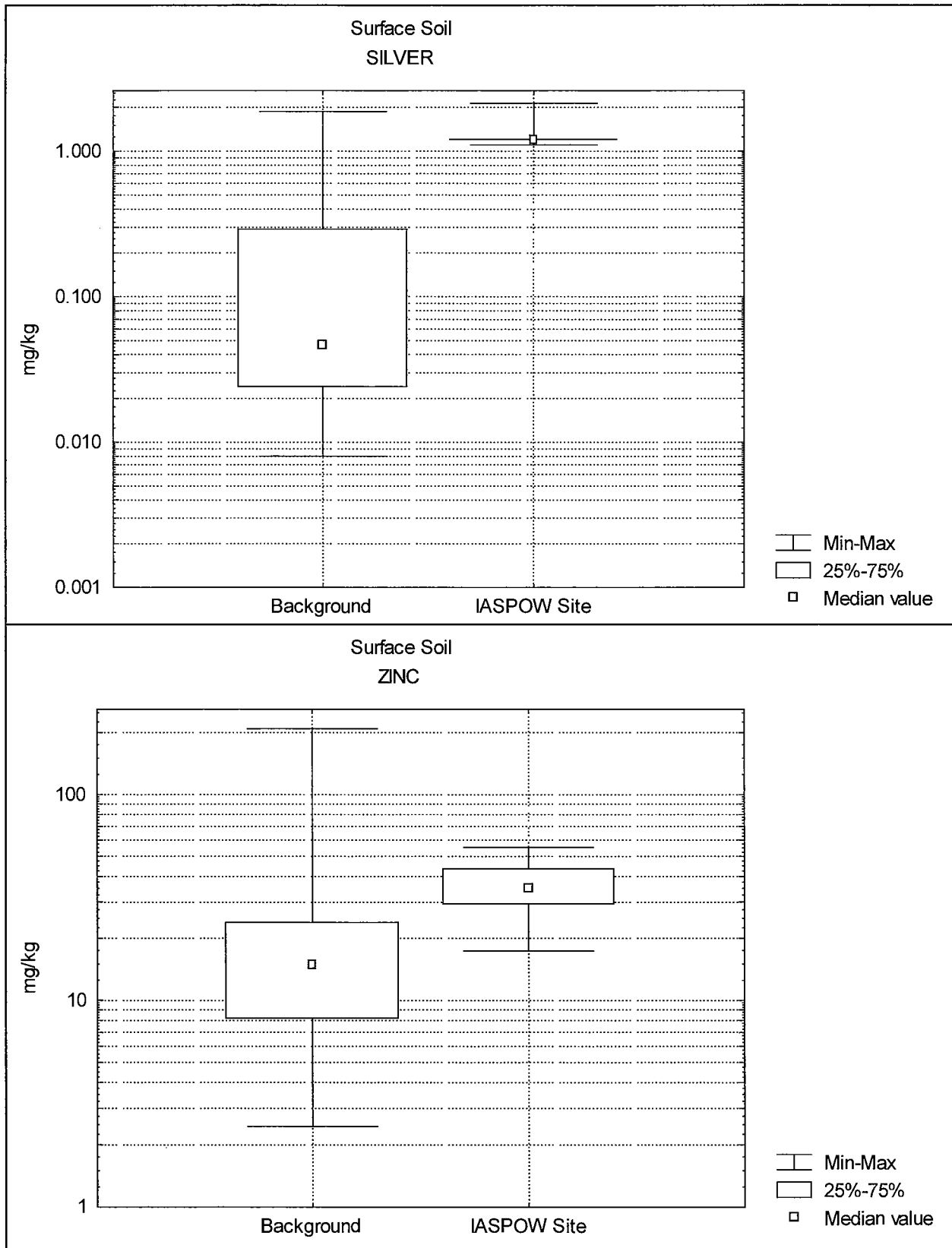


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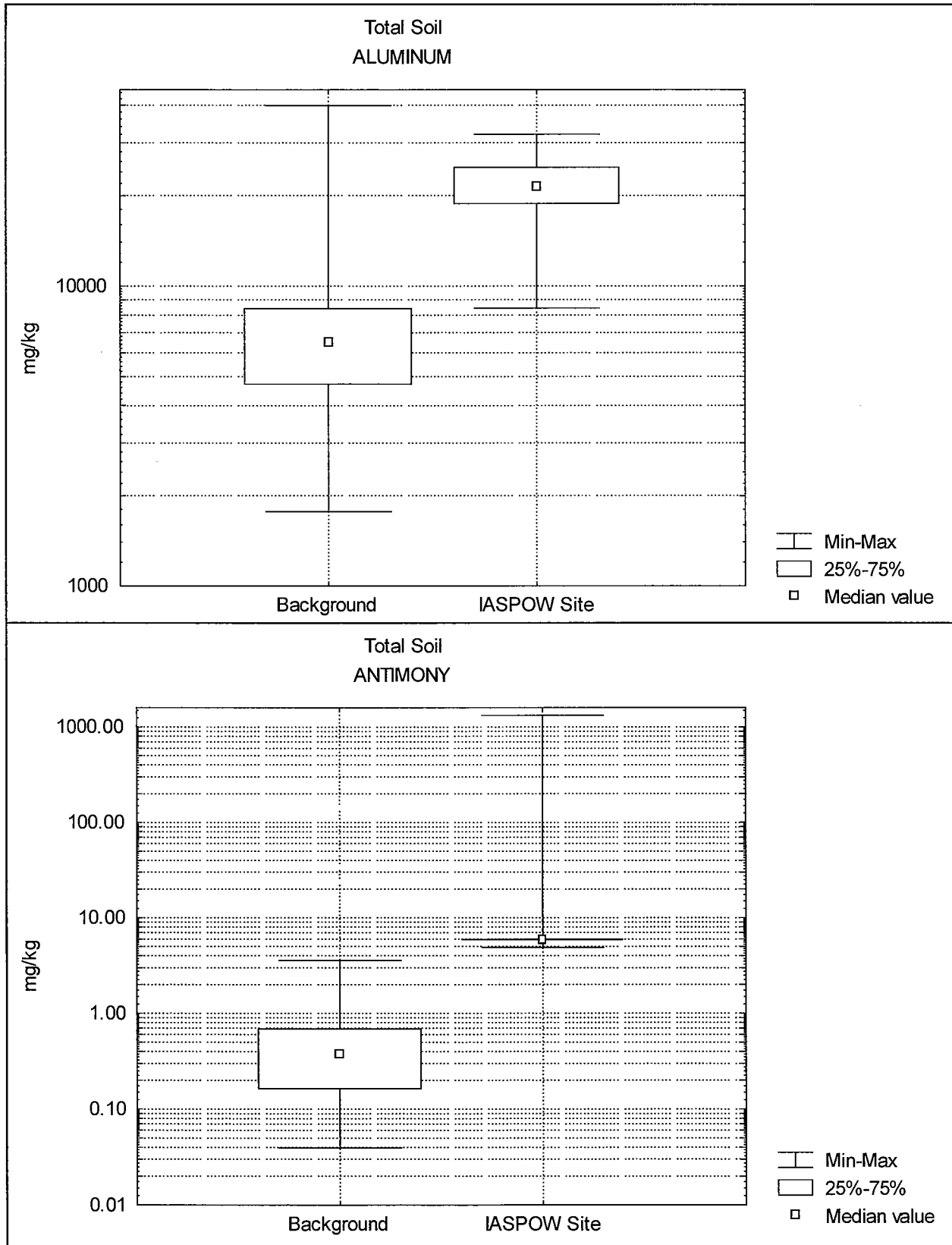


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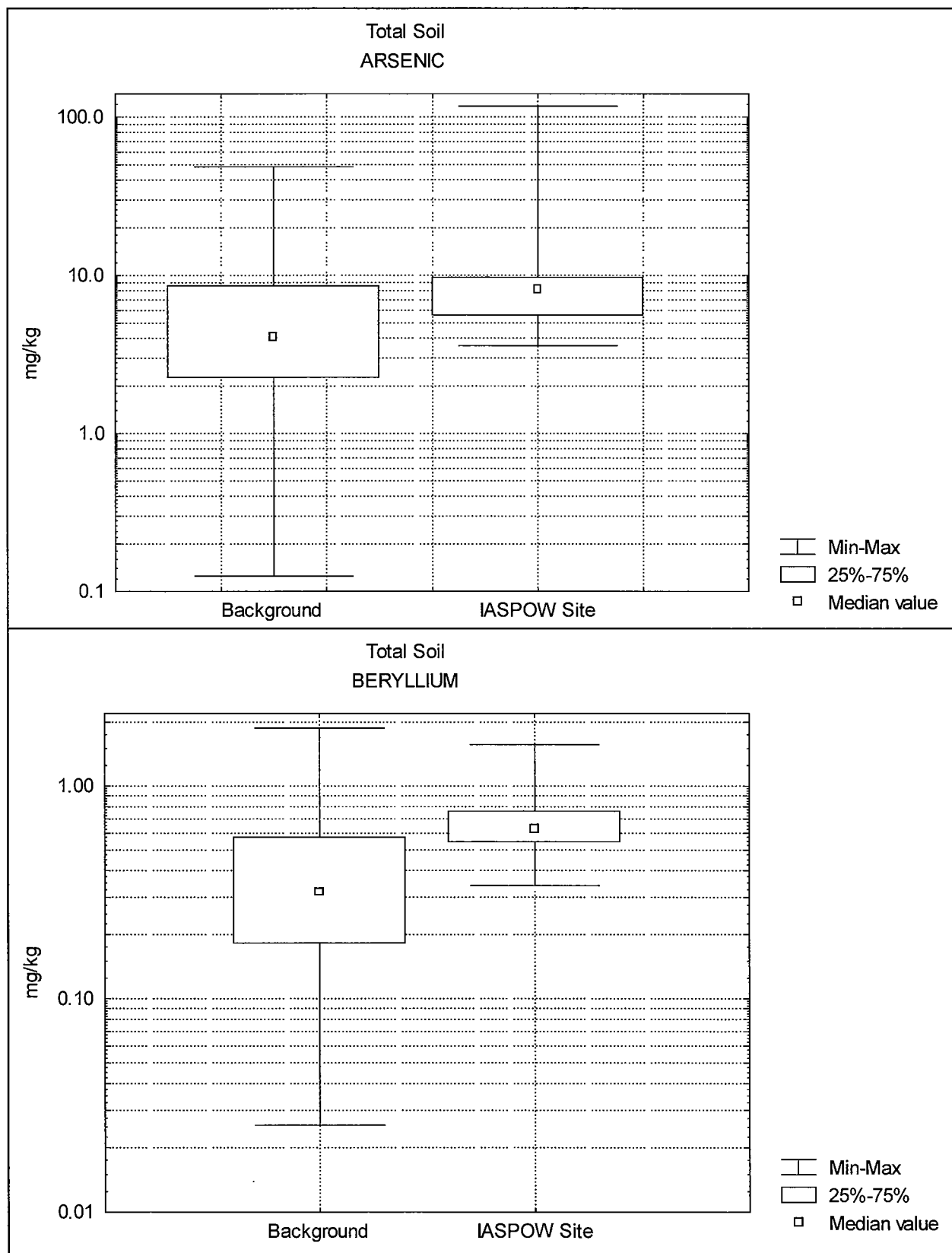


Figure 1-12

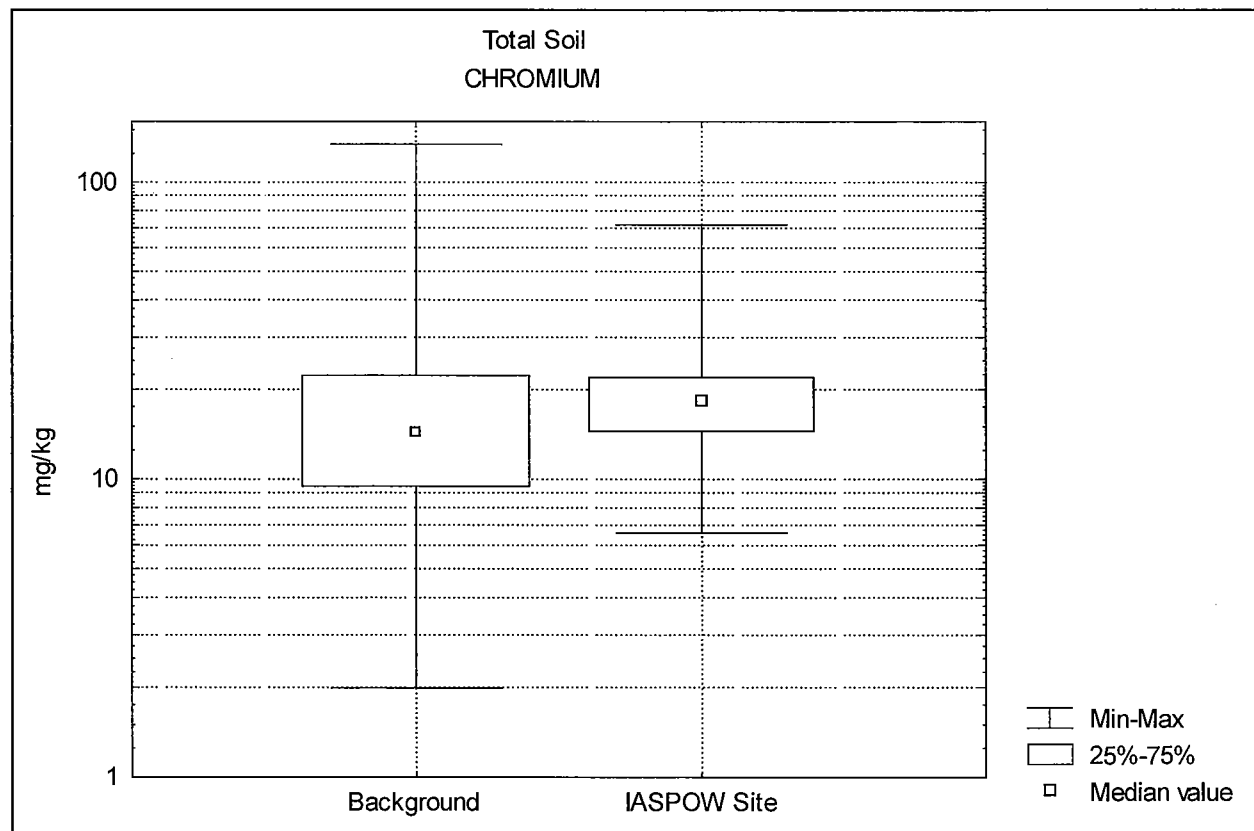
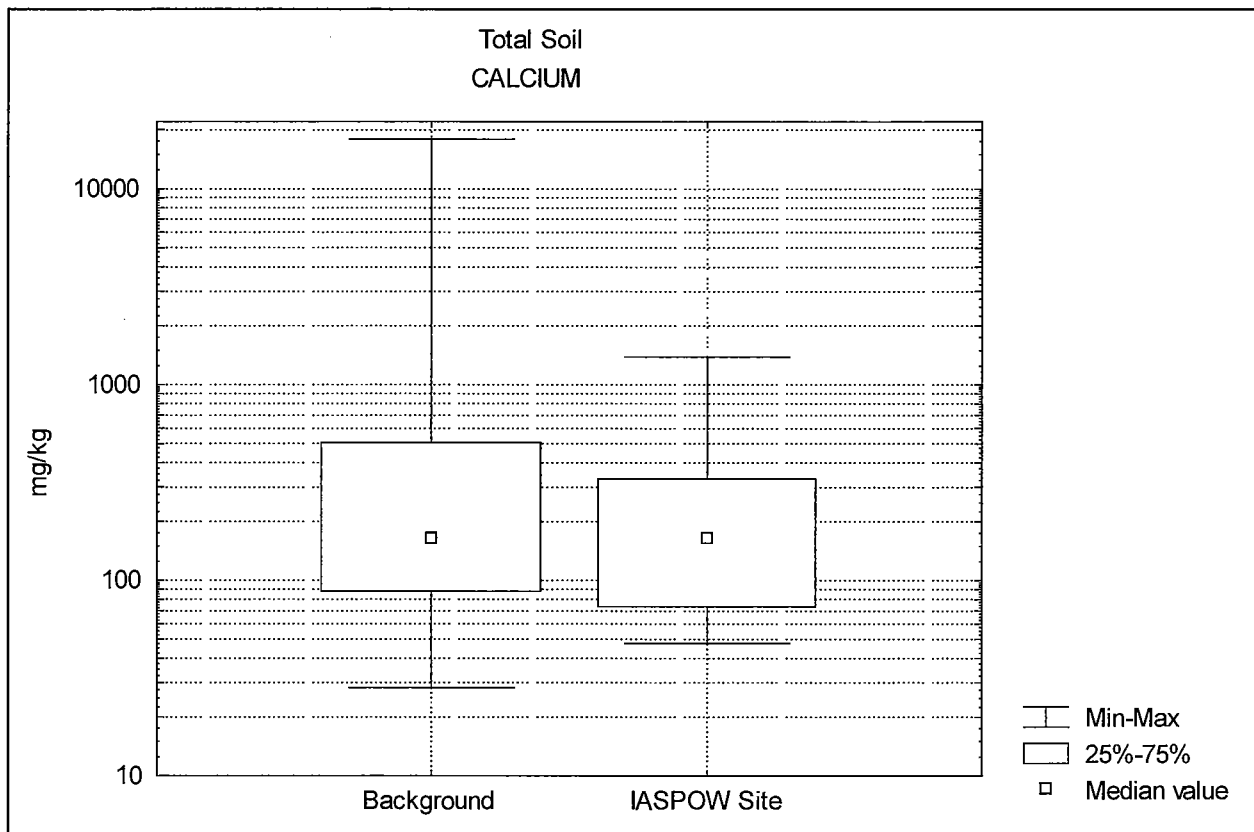


Figure 1-13

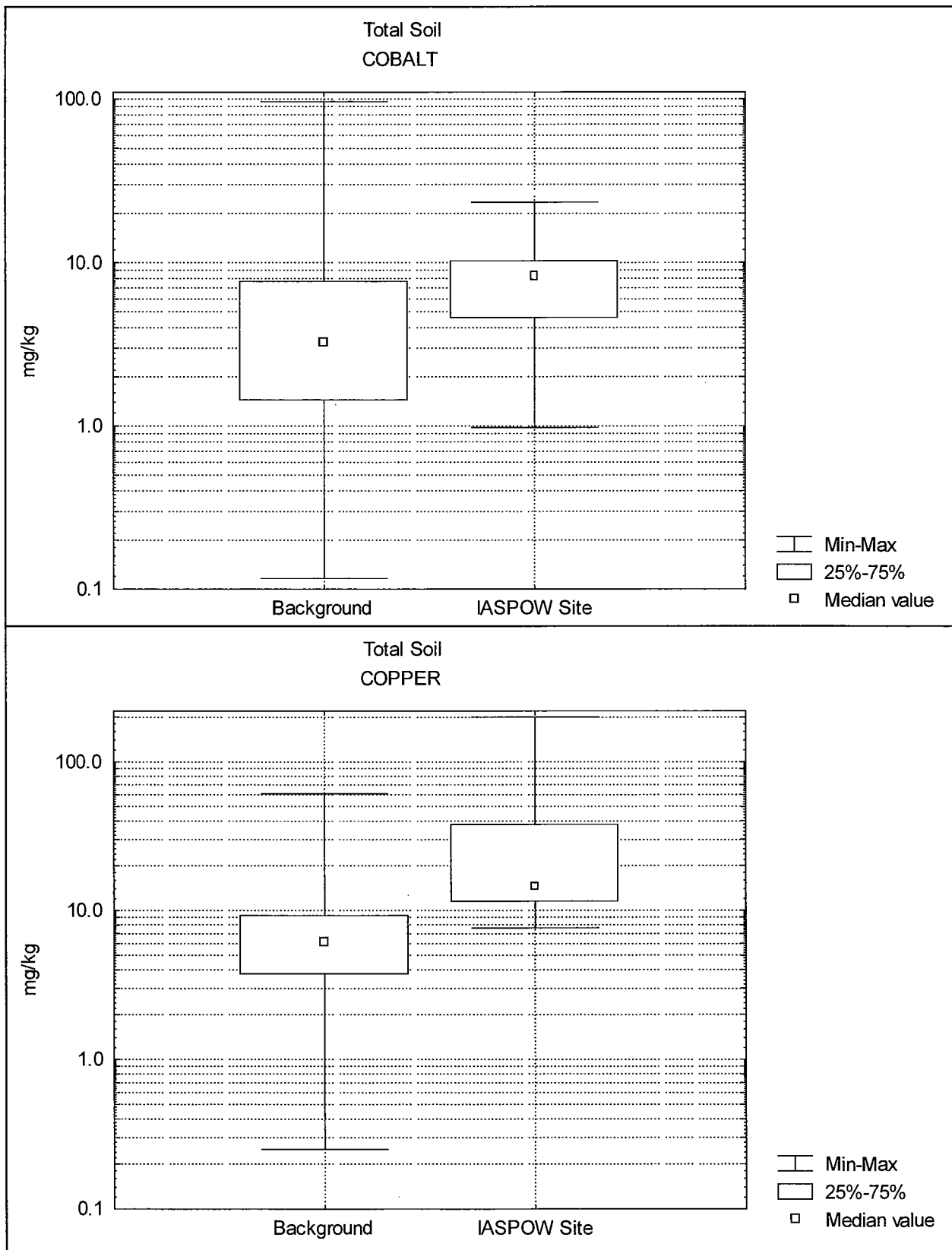


Figure 1-14

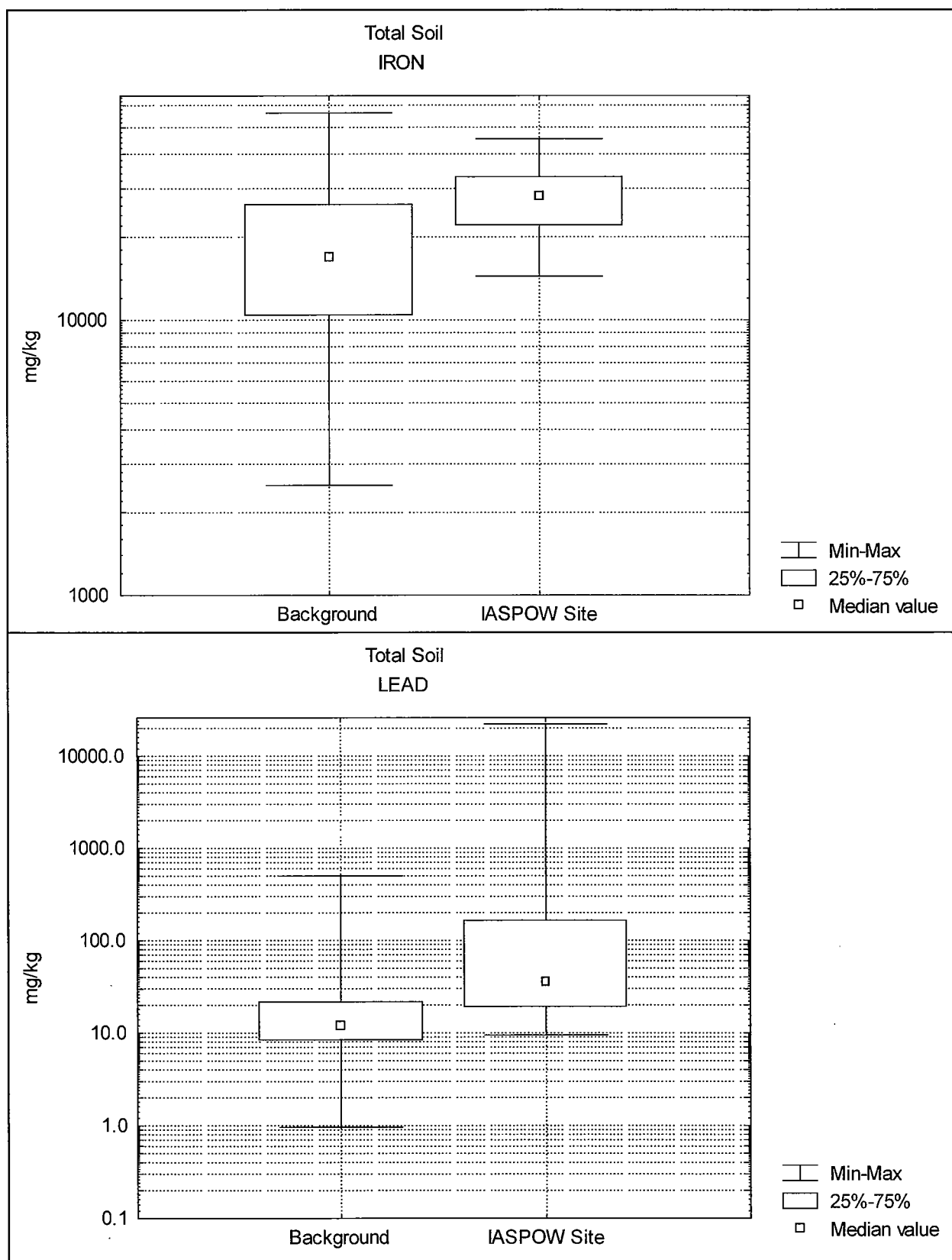


Figure 1-15

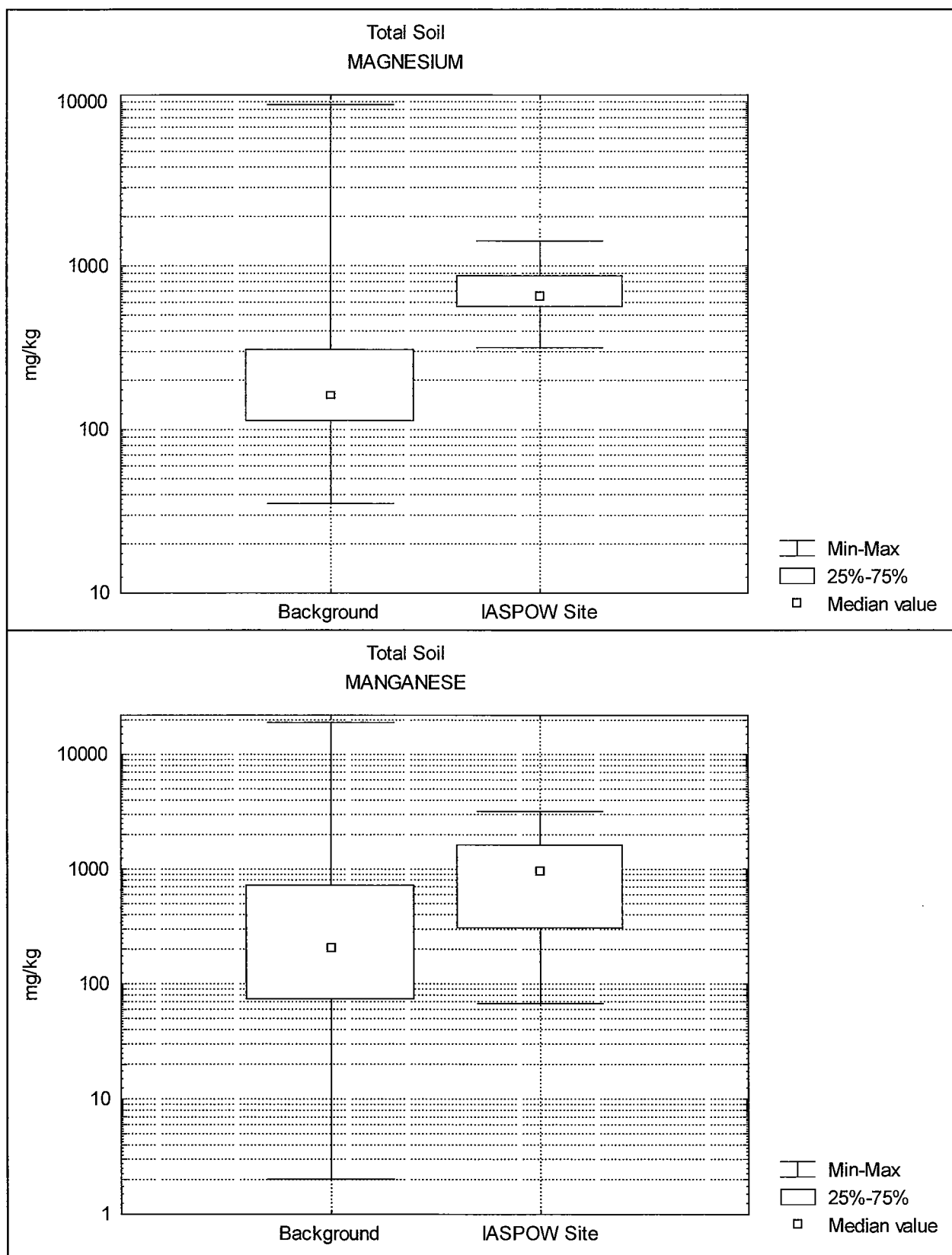


Table 1-16

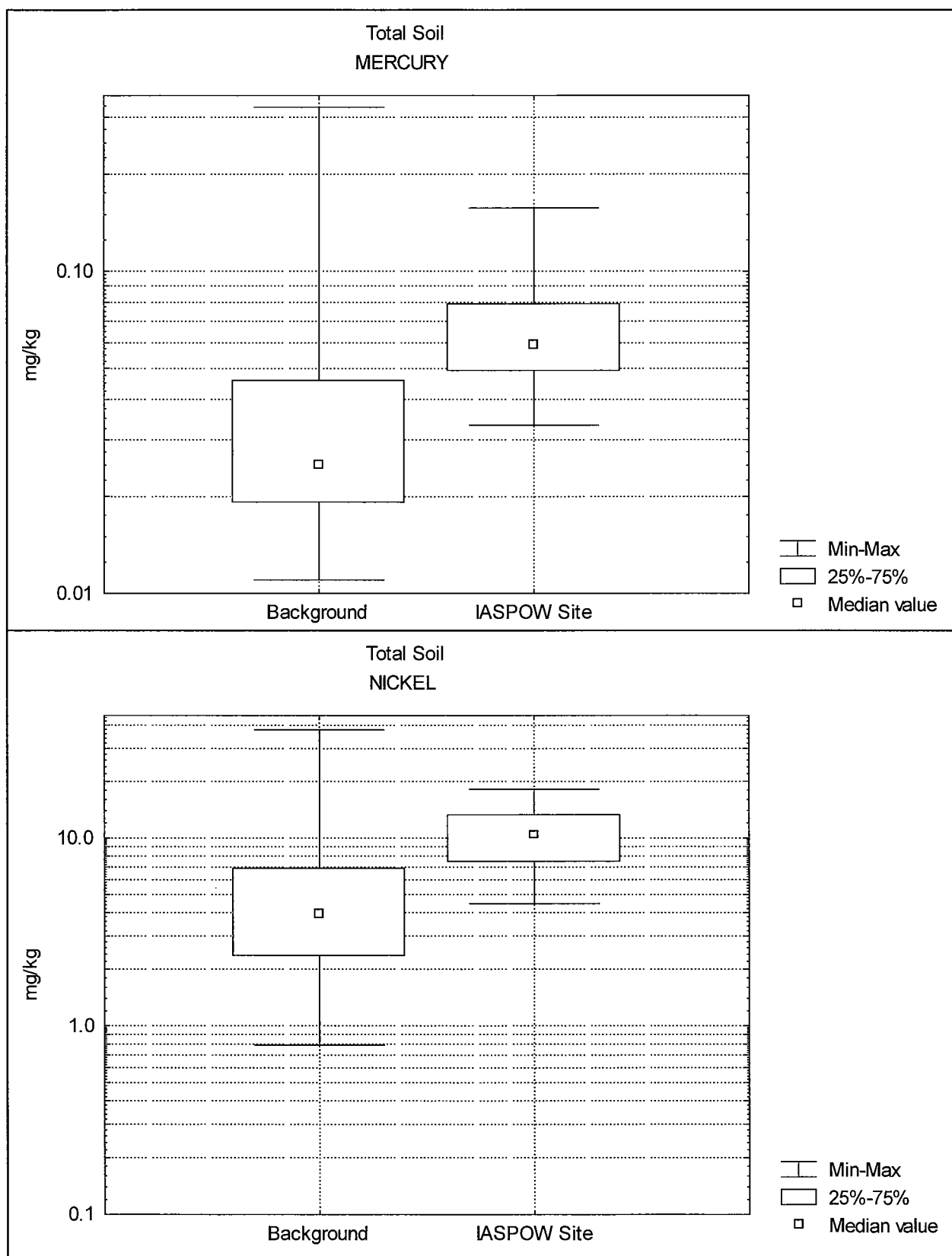


Figure 1-17

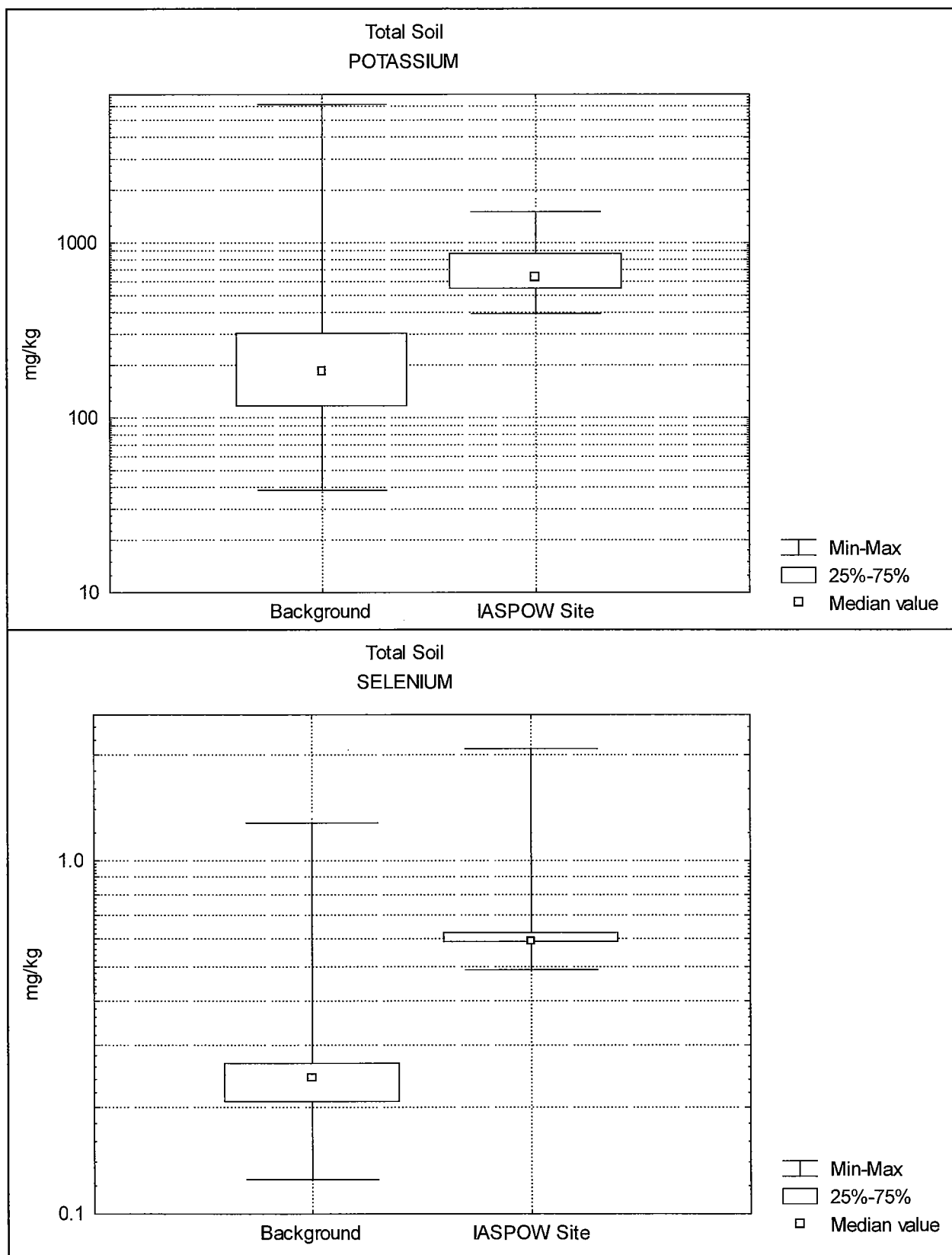


Figure 1-18

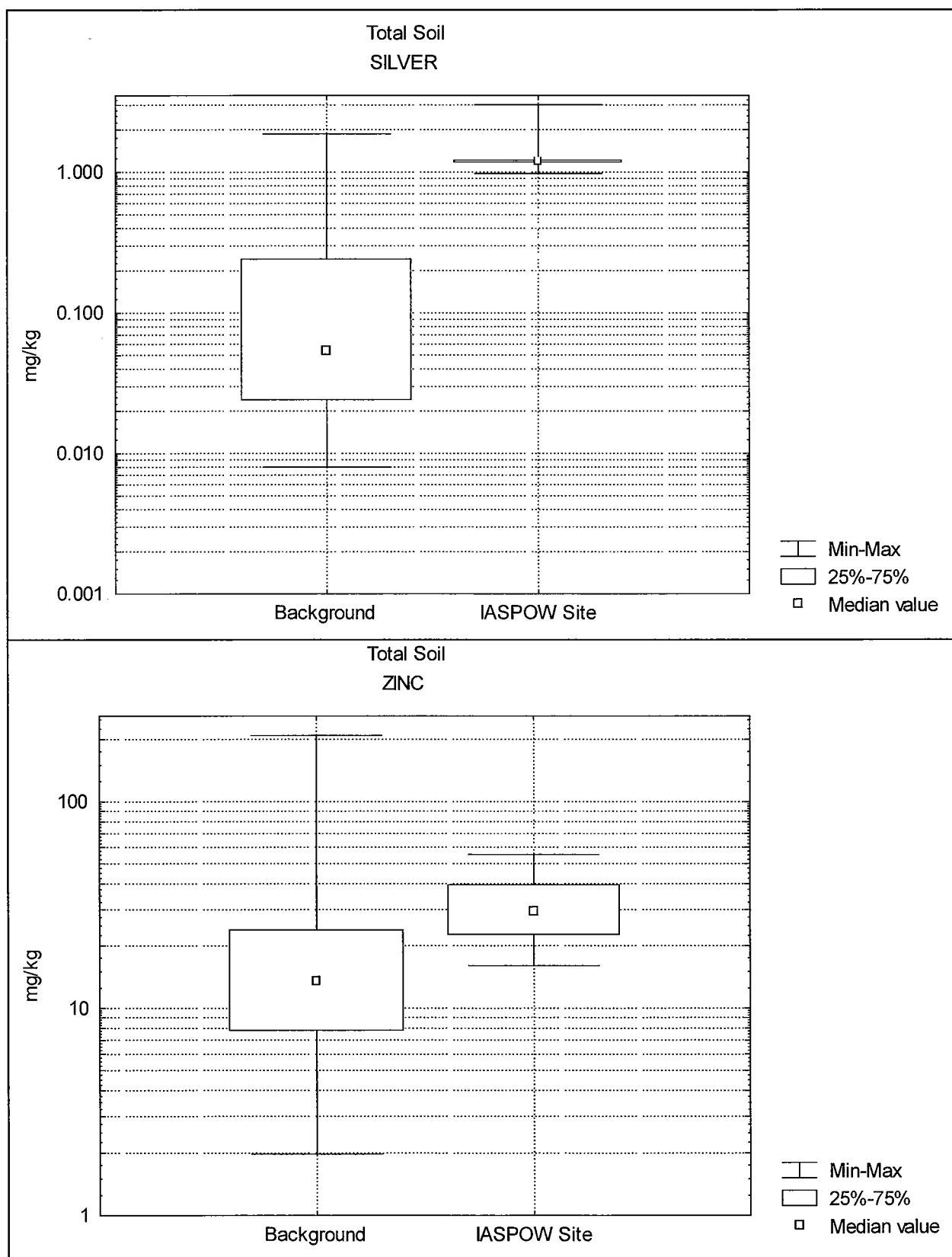
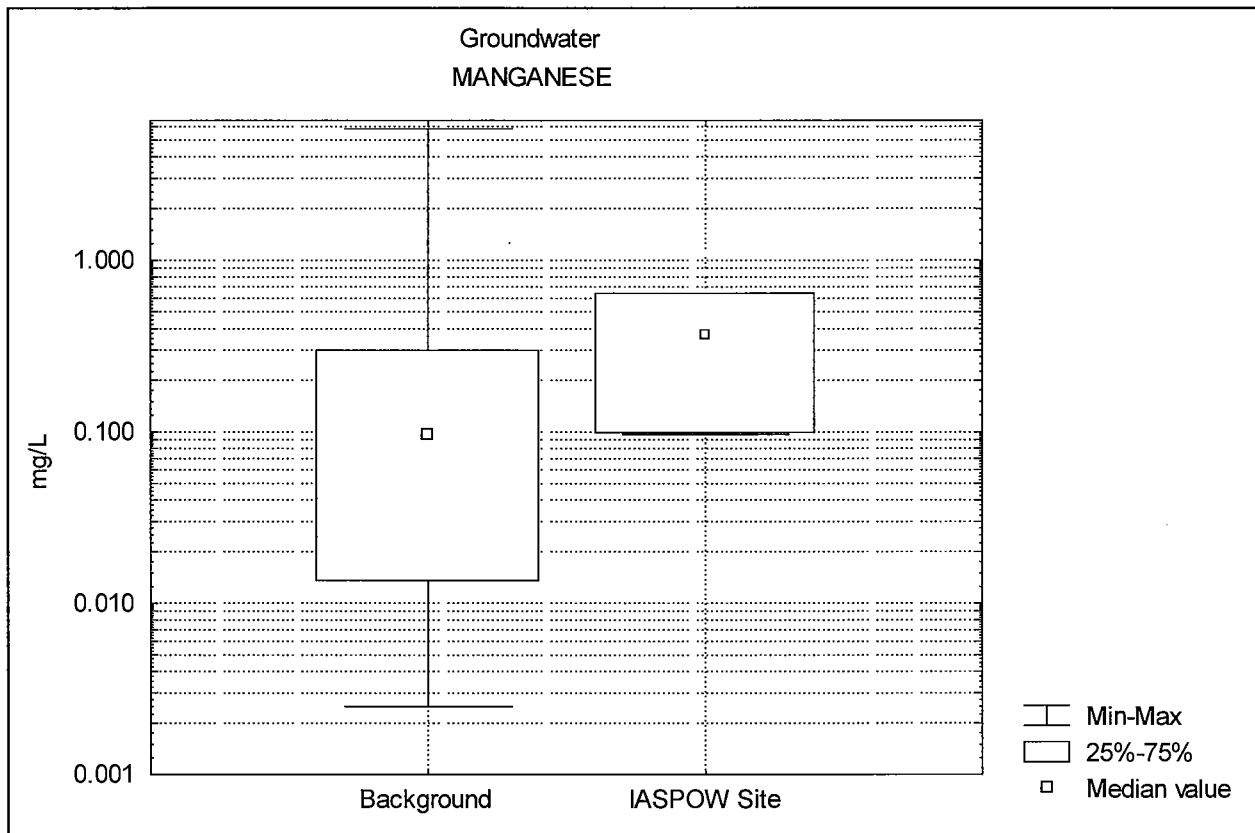


Figure 1-19



GEOCHEMICAL EVALUATION

Geochemical Evaluation of Metals in Soil at the Impact Area South of the POW Training Facility Fort McClellan, Alabama

1.0 Introduction

This report provides the results of a geochemical evaluation of inorganic constituents in soil samples from the Impact Area South of the POW Training Facility (IASPOW), Fort McClellan, Calhoun County, Alabama. Eighteen elements in soil failed statistical comparison to background. A geochemical evaluation was performed to determine if the elevated concentrations are naturally occurring or if they contain a component of contamination.

Site samples included in the evaluations consist of 22 surface soil samples (0 to 1 foot below ground surface [bgs]), and 20 subsurface soil samples (3 to 4 feet bgs or 4 to 6 feet bgs) collected in January and October 2002. All of the site samples were analyzed for the full list of 23 target analyte list (TAL) metals. Installation-wide background data for TAL metals in soil, sediment, groundwater, and surface water are provided in the background study report (Science Applications International Corporation, 1998) and are used in the following evaluations.

2.0 Geochemical Evaluation Methodology

If an analyte fails statistical comparison to background as described in the “Statistical Comparison of Site and Background Data for the Impact Area South of the POW Training Facility,” then a geochemical evaluation is performed to determine if the elevated concentrations are caused by natural processes. The importance of geochemical evaluations in distinguishing between site and background data sets has been recognized in the industry (U.S. Environmental Protection Agency, 1995; Barclift, *et al.*, 2000; U.S. Navy, 2002; Myers and Thorbjornsen, 2004). When properly evaluated, geochemistry can provide mechanistic explanations for apparently high, yet naturally occurring, constituents. Anomalous samples that may represent contamination can also be readily distinguished from uncontaminated samples. This section describes the geochemical evaluation techniques that were employed in the IASPOW site-to-background comparisons.

Soil and Sediment. The geochemical evaluation is based on the natural associations of trace elements with specific minerals in the soil or sediment matrix. As an example, arsenic in most

uncontaminated oxic soils is almost exclusively associated with iron oxide minerals (Bowell, 1994; Schiff and Weisberg, 1997). (The term “iron oxide” is used here to include oxides, hydroxides, oxyhydroxides, and hydrous oxides of iron.) This association of arsenic with iron oxides is a result of the adsorptive behavior of this particular trace metal in an oxic soil environment. Arsenic is present in oxic soil pore fluid as negatively charged oxyanions (HAsO_4^{2-} , H_2AsO_4^-) (Brookins, 1988). These anions have strong affinities to adsorb on the surfaces of iron oxides, which maintain a strong positive surface charge (Electric Power Research Institute, 1986). If a soil sample has a high percentage of iron oxides, then it is expected to have a proportionally higher concentration of arsenic.

The absolute concentrations of arsenic and iron can vary by several orders of magnitude at a site, but the arsenic/iron ratios in the samples are usually quite constant as long as no contamination is present (Daskalakis and O'Connor, 1995). If a sample has some naturally occurring arsenic plus additional arsenic from an herbicide or some other source, then it will have an anomalously high ratio relative to the other uncontaminated samples. These ratios thus serve as a powerful technique for identifying contaminated samples.

The evaluation includes the generation of plots in which detected arsenic concentrations in a set of samples are plotted on the y-axis, and the corresponding detected iron concentrations are plotted on the x-axis. The slope of a best-fit line through the samples is equal to the average arsenic-to-iron background ratio. If the samples with the highest arsenic concentrations plot on the same linear trend as the other samples, then it is most probable that the elevated concentrations are natural, and are caused by the preferential enrichment of iron oxides in those samples. If the site samples with elevated arsenic concentrations plot above the trend displayed by the uncontaminated samples, then there is evidence that those samples have an excess contribution of arsenic, and contamination may be indicated.

Each trace element is associated with one or more minerals in the soil matrix. Vanadium and selenium, along with arsenic, form anionic species in solution and are associated with iron oxides, which maintain a positive surface charge. Divalent metals such as barium, cadmium, lead, and zinc tend to form cationic species in solution and are attracted to clay mineral surfaces, which maintain a negative surface charge. These trace elements would be evaluated against aluminum, which is a major component of clay minerals. Manganese oxides also have an affinity to adsorb divalent cations such as barium, cobalt, and lead (Kabata-Pendias, 2001). These trace elements would be evaluated against manganese.

3.0 Results of the Geochemical Evaluation for Multiple Elements in Soil

This section presents the results of the geochemical evaluation of aluminum, antimony, arsenic, barium, beryllium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, and zinc in soil samples from the IASPOW. Correlation plots are provided in Attachment 1, and a list of samples containing anomalously high element concentrations is provided in Table 1.

Aluminum

The IASPOW soil boring logs note the presence of clays in most of the sampled intervals. Aluminum is a primary component of common soil-forming minerals such as clays, feldspars, and micas. Iron oxides are minerals that are also common in soil. Clays and iron oxides tend to exist as very fine particles, so both aluminum and iron are enriched in samples with finer grain sizes. A plot of aluminum versus iron concentrations can be used to qualitatively assess the relative abundance of these minerals in site soil (Figure 1). Site surface soil samples are represented by open triangles, site subsurface soil samples by filled triangles, and background soil samples by filled circles. The site samples exhibit higher aluminum concentrations than many of the background samples, but they also contain proportionally higher iron and lie on the general background trend. This indicates that aluminum in the site samples is naturally occurring. It is worth noting that iron oxide and clay minerals adsorb specific trace elements (as discussed in Section 2.0), so samples that plot on the upper end of the trend in Figure 1 are expected to contain proportionally higher concentrations of trace elements.

Conclusion

Aluminum detected in the site soil samples is naturally occurring.

Antimony

Antimony has an affinity to adsorb on clays (Kabata-Pendias, 2001), so a positive correlation between antimony and aluminum is expected for uncontaminated samples. The background samples form a linear trend with a positive slope in a plot of antimony versus aluminum (Figure 2). Two of the site samples with detectable antimony have slightly higher antimony concentrations (5.39 J and 5.41 J mg/kg) than the background samples, but they also contain proportionally higher aluminum and lie on the linear trend established by the background samples. Antimony in these samples is associated with clays at a ratio consistent with those of the background samples, and is natural. Subsurface soil sample QG0006 (obtained from 3 to 4 feet bgs at sample location IMP-IASPOW-GP03), however, contains the highest antimony concentration of both data sets (1,330 mg/kg) but only moderate aluminum, and lies well above the background trend. Elevated antimony in this sample is unexpected, and should be considered suspect.

Conclusion

The antimony concentration detected in sample QG0006 is anomalously high and may contain a component of contamination. Antimony concentrations detected in the other site soil samples are naturally occurring.

Table 1

**Samples With Anomalous Element Concentrations
Impact Area South of the POW Training Facility
Fort McClellan, Alabama**

Medium	Sample Location	Sample Number	Element(s)
Surface Soil	IMP-IASPOW-GP04	QG0007	Lead
Surface Soil	IMP-IASPOW-GP09	QG0016	Lead
Surface Soil	IMP-IASPOW-GP10	QG0022	Copper, Lead
Surface Soil	IMP-IASPOW-GP11	QG0024	Lead
Surface Soil	IMP-IASPOW-GP12	QG0026	Copper, Lead
Surface Soil	IMP-IASPOW-GP13	QG0028	Copper, Lead
Surface Soil	IMP-IASPOW-GP15	QG0033	Copper, Lead
Surface Soil	IMP-IASPOW-GP20	QG0043	Lead
Subsurface Soil	IMP-IASPOW-GP02	QG0004	Copper, Lead
Subsurface Soil	IMP-IASPOW-GP03	QG0006	Antimony, Arsenic, Lead

Arsenic

As discussed in Section 2.0, arsenic has a strong affinity to adsorb on the surfaces of iron oxides in soil, so a positive correlation is expected between arsenic and iron in uncontaminated samples. A plot of arsenic versus iron reveals a common linear trend for the background samples and most of the site samples (Figure 3). Most of the site samples with elevated arsenic also exhibit proportionally higher iron, and lie on the linear trend. Arsenic in these samples is associated with iron oxides at a relatively constant ratio, and is natural. The exception is subsurface soil sample QG0006 (collected from 3 to 4 feet bgs at sample location IMP-IASPOW-GP03), which contains the highest arsenic concentration of both data sets (117 mg/kg), but only moderate iron. Elevated arsenic in this sample should be considered suspect.

Conclusion

The arsenic concentration in sample QG0006 is anomalously high and may contain a component of contamination. Anomalous concentrations of antimony and lead have also been identified in this sample (Table 1). Arsenic concentrations detected in the other site soil samples are naturally occurring.

Barium

Manganese oxides have an affinity to adsorb divalent cations such as barium and cobalt (Kabata-Pendias, 2001). If a soil sample contains a high proportion of manganese oxides, then it is expected to contain high concentrations of manganese and associated trace elements. The site and background samples form a strong collinear trend in a plot of barium versus manganese (Figure 4). The site samples with high barium concentrations also contain high manganese, and lie on the trend established by the other samples. This indicates that barium in these samples is associated with manganese oxides at a relatively constant ratio, and is natural.

Conclusion

Barium concentrations detected in the site soil samples are naturally occurring.

Beryllium

A plot of beryllium versus manganese is provided in Figure 5. The site and background samples form a common linear trend with a positive slope. The site samples that have the highest beryllium concentrations also have the highest manganese, and lie on the trend established by the other samples. Beryllium in the site samples is associated with manganese oxides at a relatively constant ratio, and is natural.

Conclusion

Beryllium detected in the site soil samples is naturally occurring.

Chromium

Chromium has an affinity to adsorb on iron oxides (Cornell and Schwertmann, 1996), so a positive correlation between chromium and iron is expected for uncontaminated samples. A plot of chromium versus iron reveals a collinear trend for the site and background samples (Figure 6). The site samples with high chromium concentrations contain proportionally higher iron and lie

on the background trend. This indicates that chromium in these samples is associated with iron oxides at a relatively constant ratio, and is natural.

Conclusion

Chromium concentrations detected in the site soil samples are naturally occurring.

Cobalt

Manganese oxides have an affinity to adsorb divalent cations such as barium and cobalt (Kabata-Pendias, 2001). If a soil sample contains a high proportion of manganese oxides, then it is expected to contain high concentrations of manganese and associated trace elements. A plot of cobalt versus manganese reveals a common linear trend with a positive slope for the site and background samples (Figure 7). The site samples with high cobalt also contain high manganese, and lie on the trend established by the other samples. These observations suggest that cobalt in the soil samples is associated with manganese oxides at a relatively constant ratio, and is natural.

Conclusion

Cobalt detected in the site soil samples is naturally occurring.

Copper

Copper in soil has an affinity to adsorb on the surfaces of minerals such as clays and iron oxide minerals (Kabata-Pendias, 2001). The background samples and most of the site samples form a linear trend in a plot of copper versus iron (Figure 8). Most of the site samples with high copper concentrations also exhibit proportionally higher iron and lie on the background trend. Copper in these samples has a natural source. The exceptions are the four surface soil samples and single subsurface soil sample with copper concentrations of 61.1 mg/kg and higher. These samples exhibit high copper concentrations but only moderate iron, and lie above the trend formed by the other samples. Elevated copper in these samples should be considered suspect. Table 1 lists the samples that contain anomalously high copper.

Conclusion

Copper concentrations in four surface soil samples and one subsurface soil sample are anomalously high and may contain a component of contamination (Table 1).

Iron

As discussed in the Aluminum evaluation, iron oxides and clays are common soil-forming minerals and tend to concentrate specific trace elements. The plot of aluminum versus iron concentrations provides a qualitative indicator of the relative abundance of these minerals in site soil (Figure 1). The site samples exhibit higher iron concentrations than many of the background samples, but they also contain proportionally higher aluminum and lie on the general background trend. Iron in the site samples is naturally occurring. It is important to note that iron oxides and clays adsorb specific trace elements (as discussed in Section 2.0), so samples that plot on the upper end of the trend in Figure 1 are expected to contain proportionally higher concentrations of trace elements.

Conclusion

Iron detected in the site soil samples is naturally occurring.

Lead

Manganese oxides in soil have a strong affinity to adsorb divalent cations such as barium and lead (Kabata-Pendias, 2001). Uncontaminated samples that contain a high percentage of manganese oxides will contain elevated manganese concentrations and proportionally higher lead. A common linear trend with a positive slope is observed for the background samples and most of the site samples in a plot of lead versus manganese (Figure 9). Many of the site samples with high lead also have high manganese, and lie on the linear trend. This indicates that the lead in these samples is associated with manganese oxides at ratios consistent with those of the background samples, and is natural. The exceptions are the eight surface soil samples and two subsurface soil samples with lead concentrations of 188 mg/kg and higher. These samples exhibit high lead concentrations but only moderate manganese, and lie above the trend formed by the other samples. These samples most likely contain a component of contamination (Table 1).

Conclusion

Lead concentrations detected in eight surface soil samples and two subsurface soil samples are anomalously high and may contain a component of contamination (Table 1).

Magnesium

Magnesium is a common component of minerals such as clays and micas, which contain aluminum as a primary constituent. A plot of magnesium versus aluminum reveals a generally linear trend for the background samples (Figure 10). The site samples are highly linear and lie on the background trend. Magnesium in the site samples is associated with aluminum-bearing minerals at a relatively constant ratio, and is natural.

Conclusion

Magnesium in the site soil samples is naturally occurring.

Manganese

As discussed previously, manganese oxides are common in soil and have an affinity to adsorb specific trace elements such as barium. A positive correlation is thus expected between manganese and associated trace elements in uncontaminated soil samples. The positive correlation between barium and manganese, and the absence of outliers plotting off the linear trend on the correlation plot, indicate a natural source for these two elements (Figure 4).

Conclusion

Manganese in the site soil samples is naturally occurring.

Mercury

Mercury concentrations in soil are commonly controlled through organic complex formation (Kabata-Pendias, 2001), so poor correlations between mercury and iron or mercury and aluminum are often observed, even in uncontaminated soil samples. A plot of mercury versus iron is provided in Figure 11. All of the site samples lie on the general background trend, indicating that the mercury in these samples is associated with iron oxides at ratios consistent with those of the background samples, and is natural.

Conclusion

Mercury detected in the site soil samples is naturally occurring.

Nickel

Nickel is commonly associated with clays in soils (Kabata-Pendias, 2001). A plot of nickel versus aluminum reveals a linear trend with a positive slope for most of the background samples, and all of the site samples lie on this trend (Figure 12). The site samples with high nickel concentrations are also characterized by high aluminum content, and lie on the linear trend. Nickel in the site samples is associated with clays at a relatively constant ratio, and is natural.

Conclusion

Nickel detected in the site soil samples is naturally occurring.

Potassium

Potassium is a major element that is a common constituent of minerals such as clays, which also contain aluminum. The background samples form a generally linear trend in a plot of potassium versus aluminum (Figure 13). The site samples have higher potassium than many of the background samples, but they have proportionally higher aluminum and lie on the linear trend. The observations indicate that the site samples are preferentially enriched in clays (and other aluminum-bearing minerals) relative to background, and that the potassium is natural.

Conclusion

Potassium detected in the site soil samples is naturally occurring.

Selenium

As explained in Section 2.0, selenium has a strong affinity to adsorb on iron oxides in oxic soils, so a positive correlation between selenium and iron is expected for uncontaminated soil samples. Comparison to background is hindered because of the high percentage of nondetects in the background data set. However, a plot of selenium versus iron reveals a generally linear trend with a positive slope for the site samples, and the two background samples with detectable selenium lie on this trend (Figure 14). The site samples with high selenium generally have proportionally higher iron, and lie on the linear trend. These observations indicate that selenium in the samples is associated with iron oxides at a relatively constant ratio, and is natural.

Conclusion

Selenium detected in the site soil samples is naturally occurring.

Silver

A plot of silver versus iron is provided in Figure 15. The site samples with detectable silver have higher concentrations than most of the background samples, but they also have high iron concentrations and form a linear trend with a positive slope ($R^2 = 0.99$ for the surface soil interval). It is likely that these site samples are preferentially enriched in iron oxides and associated trace elements, and that the silver is natural. It is important to note that all but one of the site detections are estimated ("J"-qualified) values below the reporting limit, and that such values are highly uncertain. In comparison, the background detections are mostly unestimated

concentrations ranging from 0.019 to 1.87 mg/kg, with a mean of 0.128 mg/kg (14 of the 82 background samples are estimated values). Additionally, the site samples are characterized by higher reporting limits relative to the background samples: the site reporting limits range from 1.96 to 2.48 mg/kg, with a mean of 2.36 mg/kg, whereas the reporting limits for the background nondetects range from 0.016 to 1.2 mg/kg, with a mean of 0.293 mg/kg [reporting limit data are unavailable for the background detected concentrations]. The uncertainty associated with the estimated site concentrations, combined with the order-of-magnitude difference in reporting limits between the data sets, likely explains why the site samples do not exhibit the same Ag/Fe ratios exhibited by the background samples.

Conclusion

Silver concentrations detected in the site soil samples are most likely natural.

Zinc

Zinc often substitutes for magnesium in silicate minerals (Kabata-Pendias, 2001). A plot of zinc versus magnesium is provided in Figure 16. All of the site soil samples lie on the linear background trend, and the samples with high zinc also contain proportionally higher magnesium. These observations indicate that zinc in the soil samples has a natural source.

Conclusion

Zinc concentrations detected in the site soil samples are naturally occurring.

4.0 Summary

Geochemical evaluation indicates that detected concentrations of aluminum, barium, beryllium, chromium, cobalt, iron, magnesium, manganese, mercury, nickel, potassium, selenium, silver, and zinc concentrations in the IASPOW surface and subsurface soil samples are naturally occurring. Antimony and arsenic concentrations detected in the surface soil samples are naturally occurring, but subsurface soil sample QG0006 contains anomalously high concentrations of antimony and arsenic that may contain a component of contamination. Copper and lead have anomalously high concentrations in both the surface and subsurface soil intervals, and these concentrations should be considered suspect. A list of the samples that contain anomalous element concentrations is provided in Table 1.

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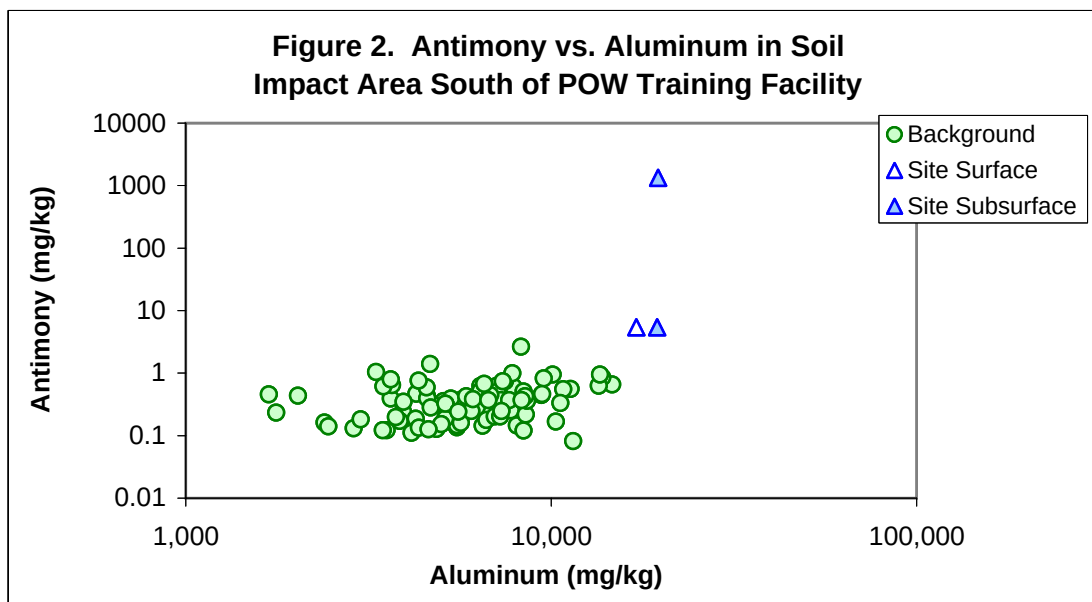
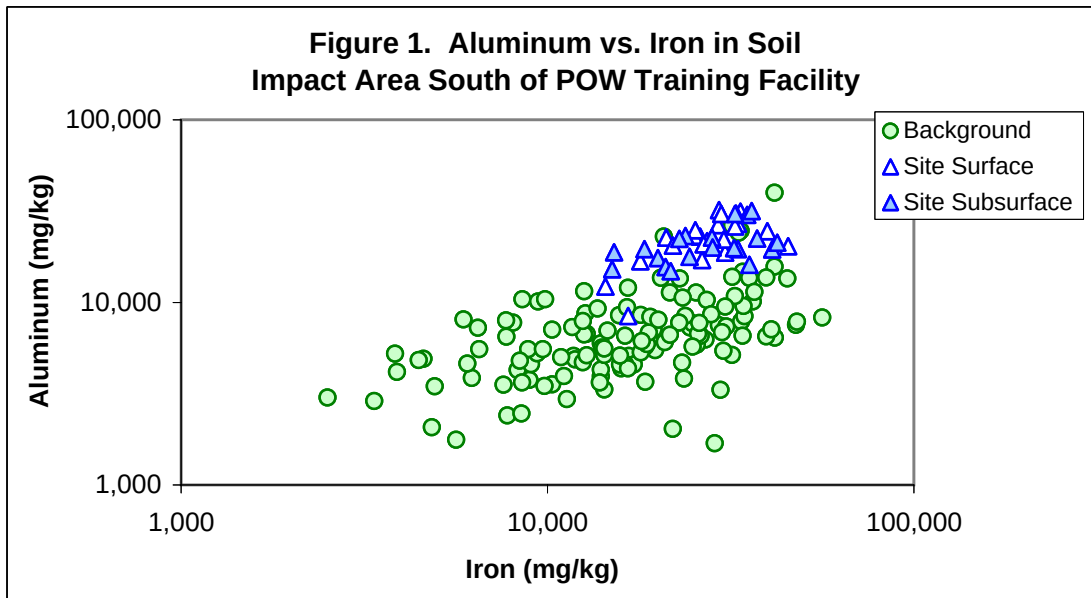
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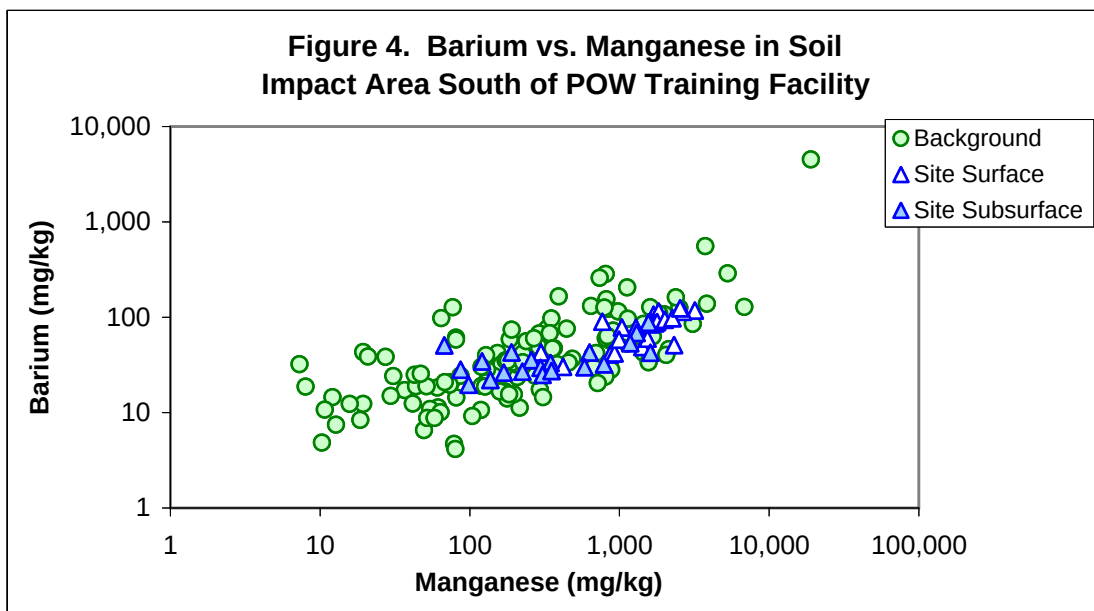
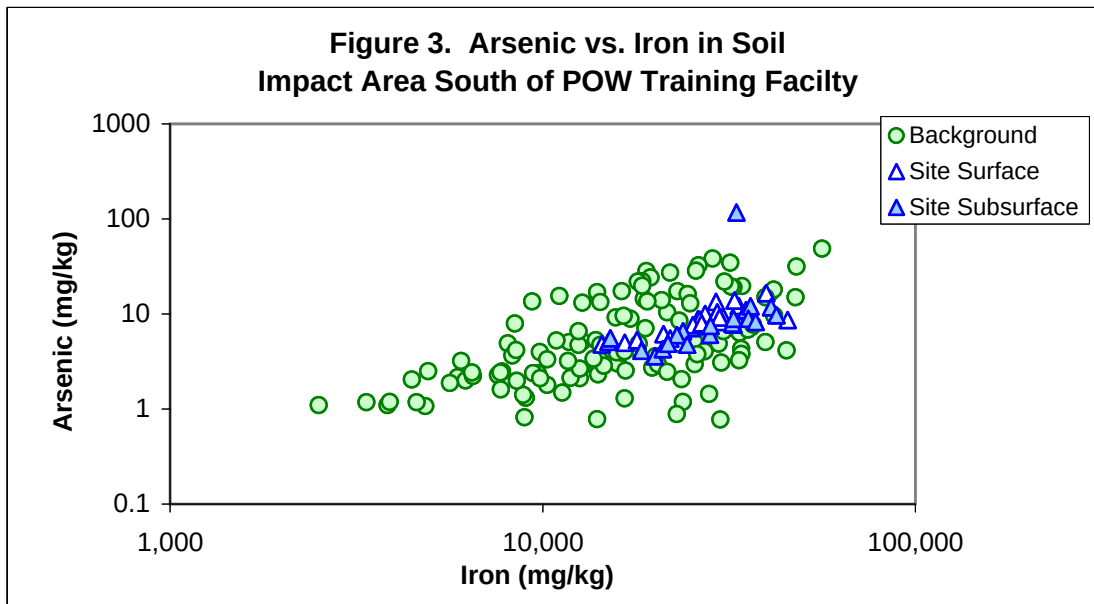
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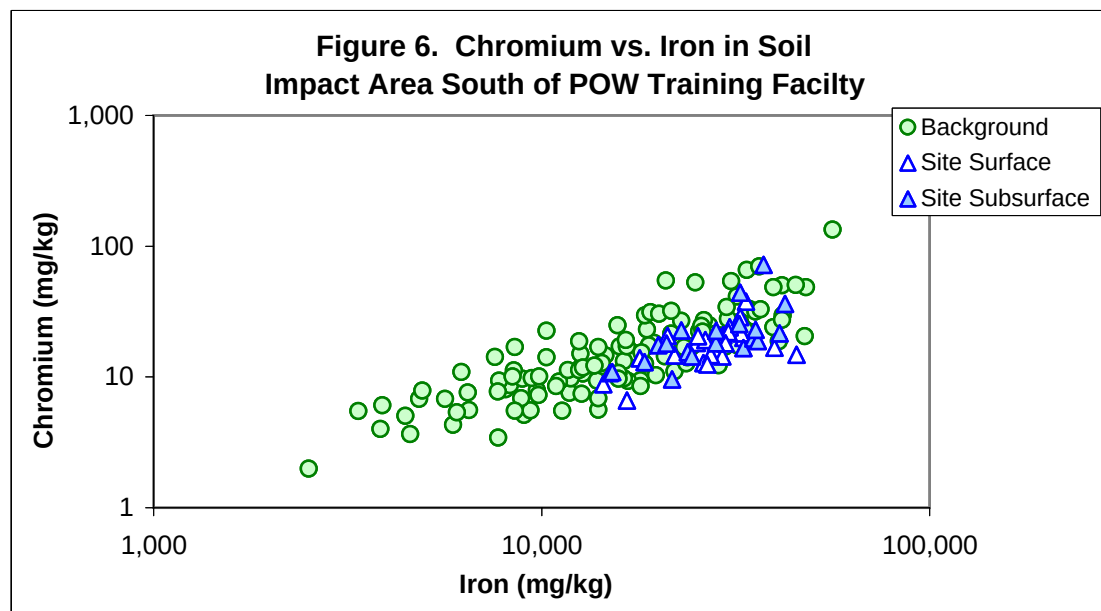
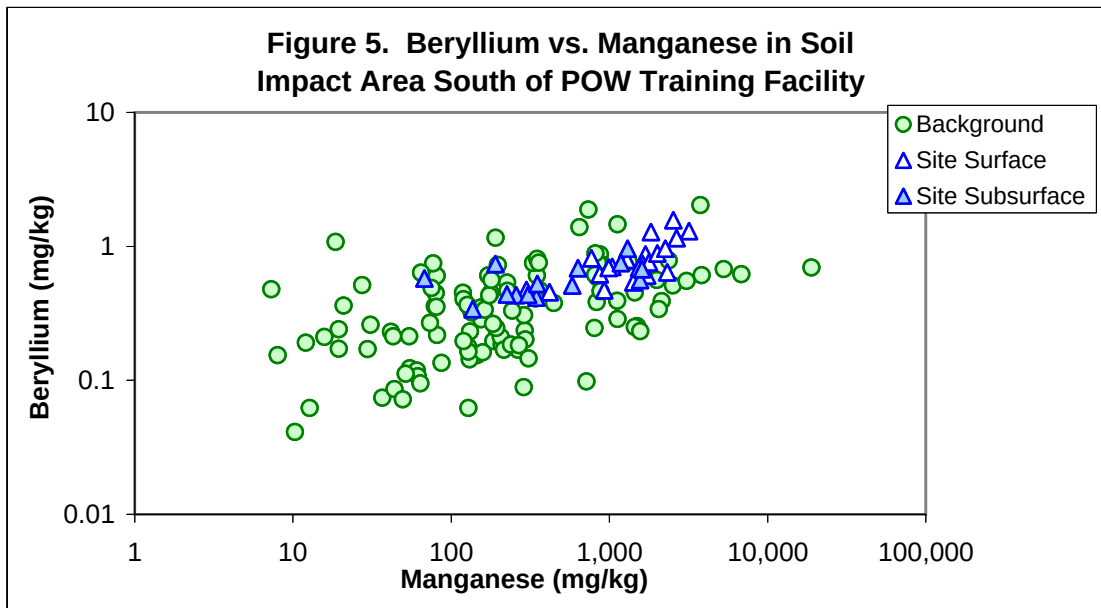
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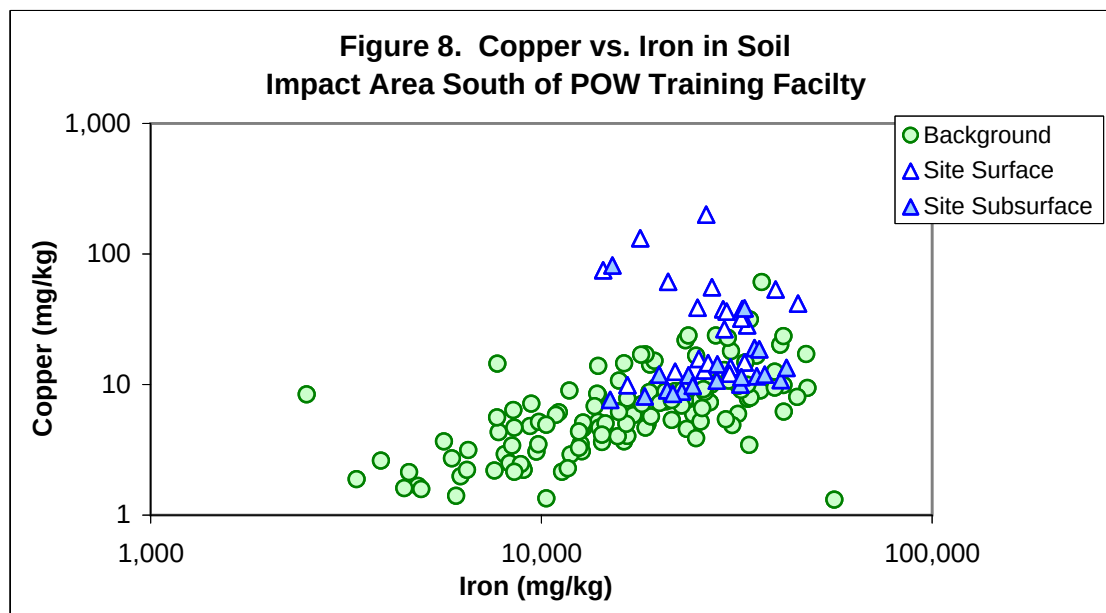
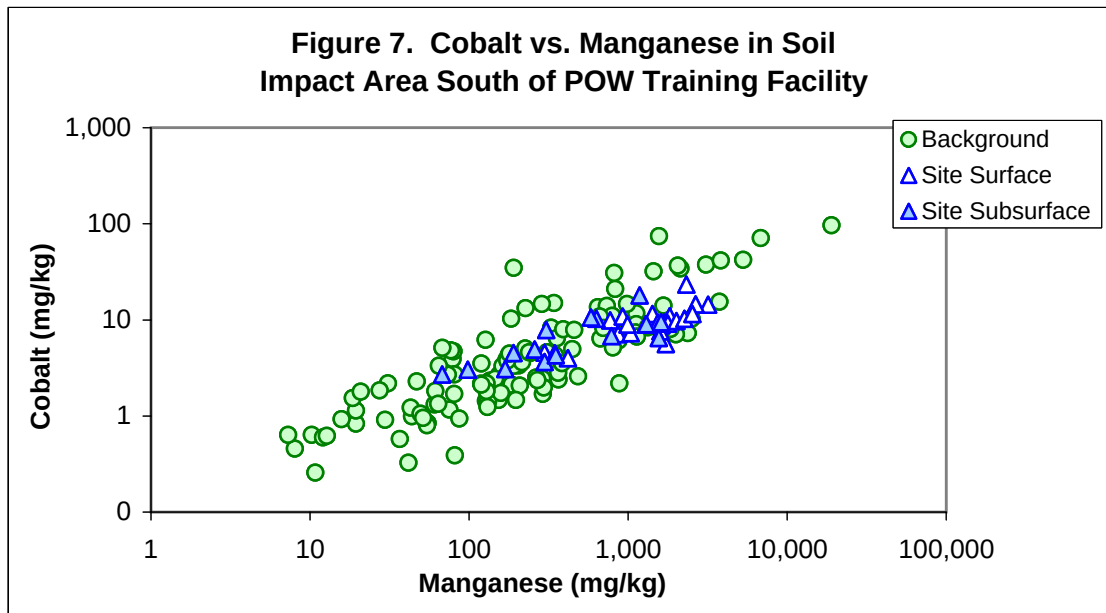
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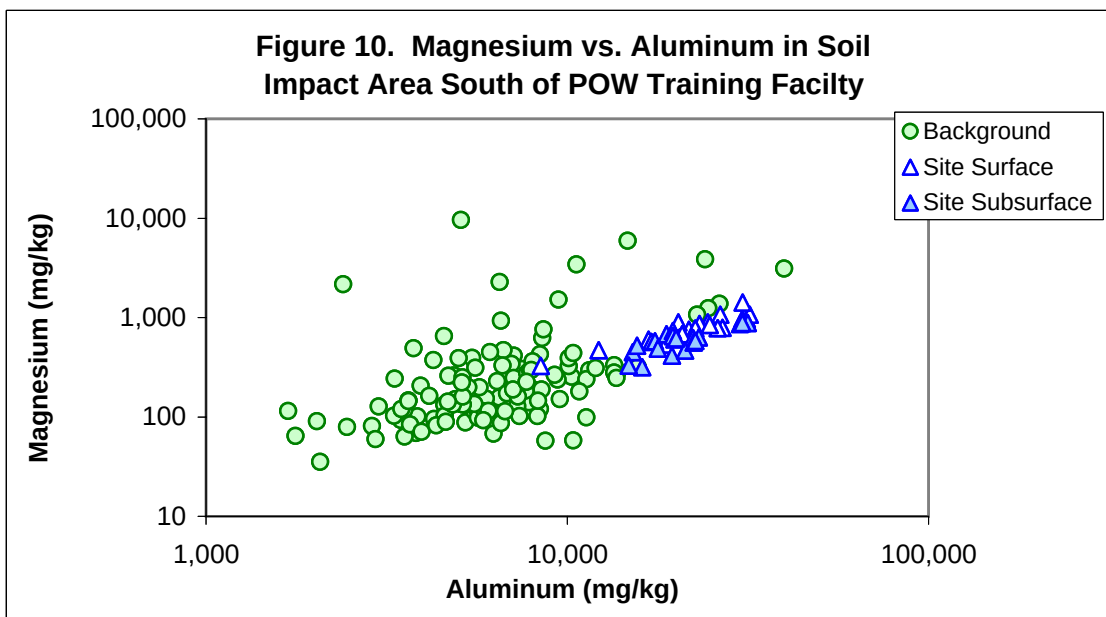
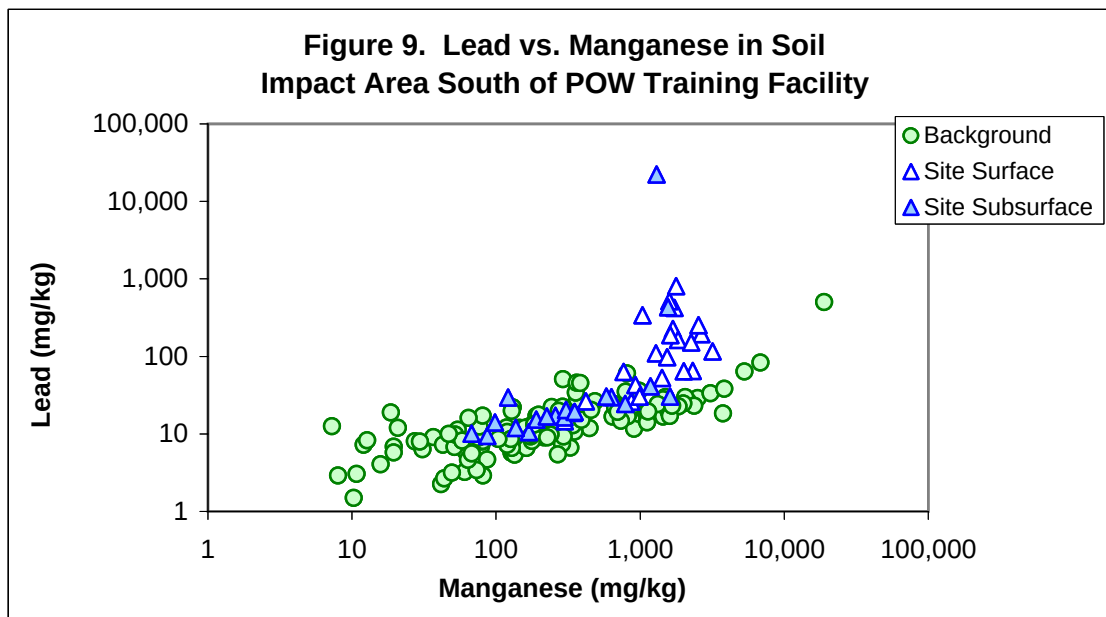
ATTACHMENT 1

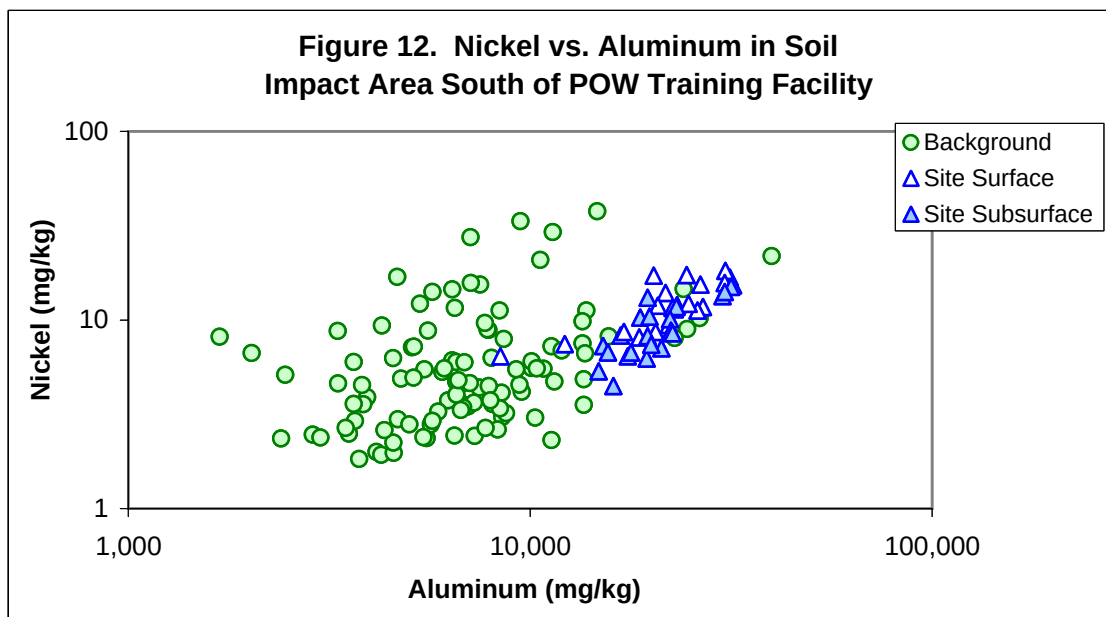
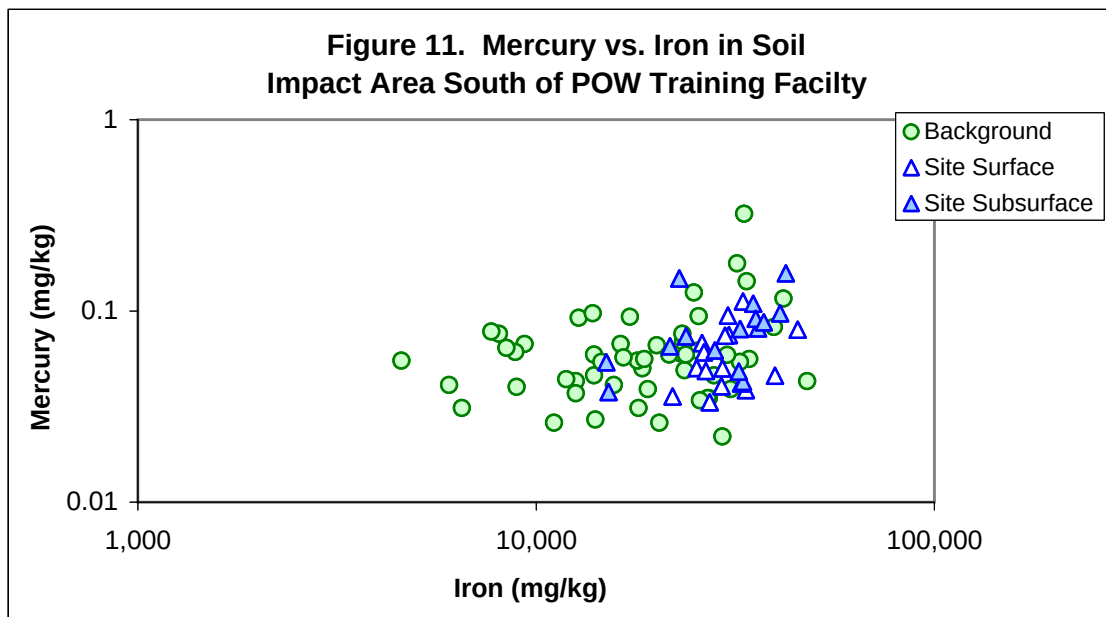


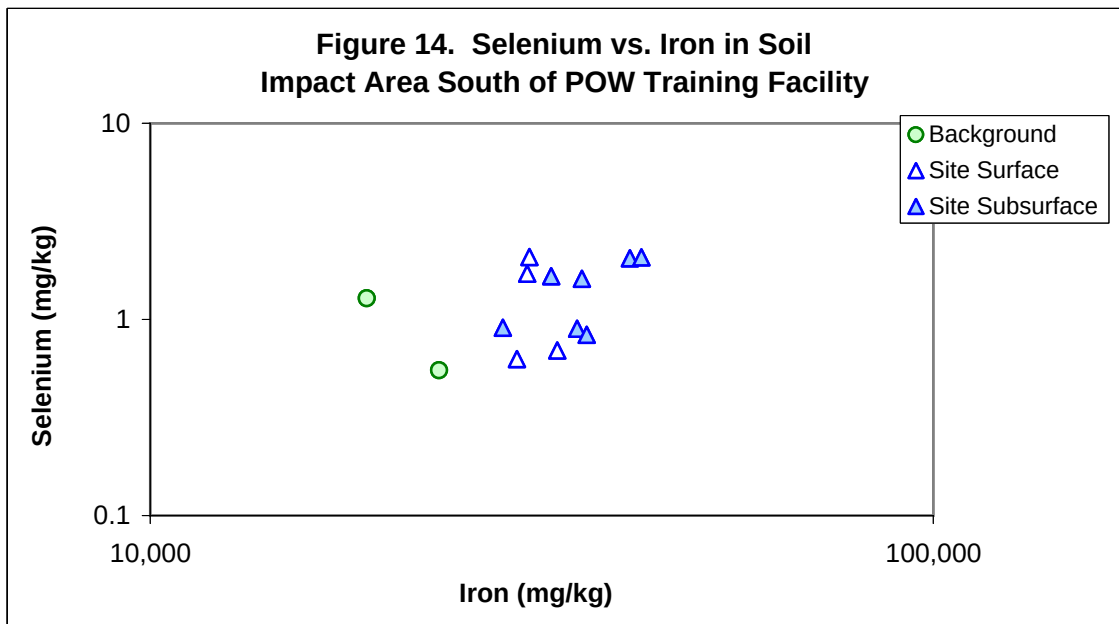
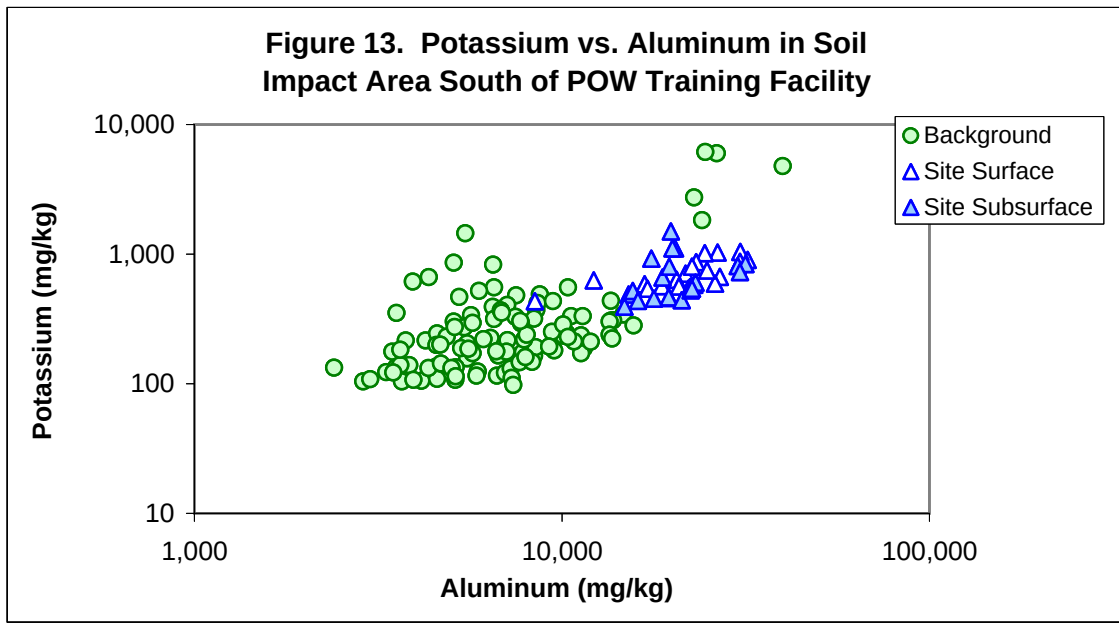


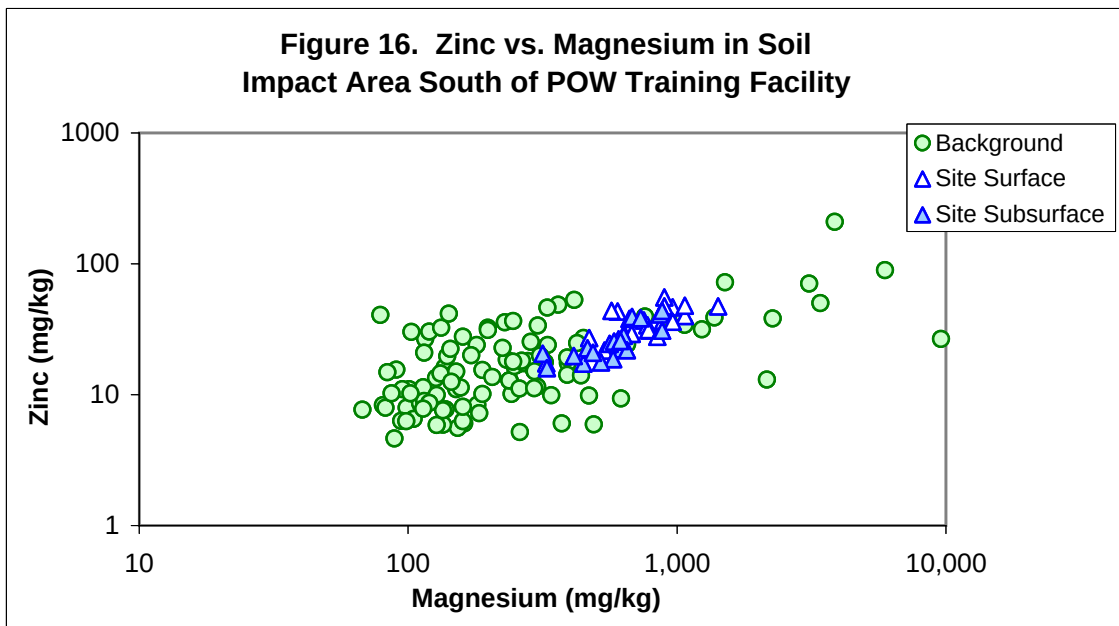
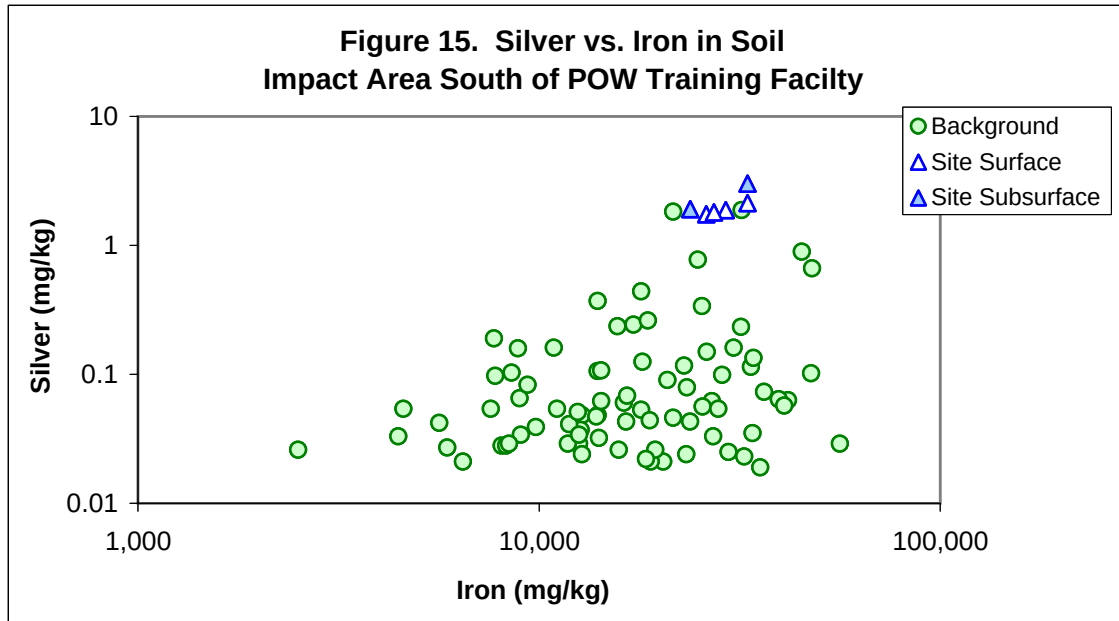












APPENDIX I

PRELIMINARY RISK ASSESSMENT

Memorandum

Date: 8/22/2003

To: Preliminary Risk Assessment (PRA) File

From: Paul F. Goetchius, DVM
Senior Toxicologist, Risk Management Services

RE: Impact Area South of the Prisoner of War Training Facility, Former Rifle/Machine Gun Ranges (Parcels 100Q and 101Q), Fort McClellan, Calhoun County, Alabama

PRELIMINARY RISK ASSESSMENT FOR SUBJECT SITE: REVISION 1

This memorandum provides a revised Preliminary Risk Assessment (PRA) for the Impact Area South of the Prisoner of War Training Facility, Former Rifle/Machine Gun Ranges (Parcels 100Q and 101Q), herein called the Impact Area. The Impact Area is a rectangular plot (about 195 ft by 716 ft) approximately 3.2 acres in size located in the north-central area of the Main Post of Fort McClellan (FTMC), as shown on Figure 1-1 of the Draft Site Investigation (SI) Report. The Impact Area received rifle and machine gun fire from the firing line at the Former Rifle/Machine Gun Ranges. Expended bullets and bullet fragments were observed on the surface over a substantial portion of the site (Figure 1-2 from the SI report). A linear mound of soil, possibly used as a berm for target placement, runs the full length of the site just to the south of the unimproved road shown on Figure 3-1 from the SI report. Surface and subsurface soil sampling locations, as well as two monitoring well locations, are identified on Figure 3-1 of the SI report. As expected, lead is the primary contaminant of interest. The plots of isopleths of lead concentrations in surface soil (Figure 5-1 from the SI) reveal three discrete areas of contamination. All lead concentrations outside the three areas of contamination are less than the background screening criterion (BSC), calculated as twice the mean of the background data set.

The purpose of the PRA is to evaluate the analytical results from surface soil, subsurface soil and groundwater sampling to support a recommendation for land-use controls (LUC). The Impact Area is slated to be used for industrial purposes, which precludes development for residential purposes.

The PRA is a shortened version of the Streamlined Risk Assessment (SRA) protocol developed as a uniform and economical approach to evaluating hundreds of similar sites at FTMC. It is assumed that the reader is familiar with FTMC and the fundamentals of the SRA. The reader is referred to the Installation-Wide Work Plan (IWWP) (IT, 2002) for more detail. All the comparison and computational operations of the PRA are performed within EXCEL® spreadsheet tables. The results of each step are described below.

The first version of the PRA was prepared in January 2003. The January 2003 version determined that many of the metals in surface soil and total soil were site-related; i.e., their concentrations appeared to exceed background concentrations. Subsequent to that exercise, however, the protocol for FTMC for comparing background and site data sets and for selecting site-related chemicals has changed, making better use of both background and site data, applying more precise statistical comparisons, and employing geochemical analysis to help resolve the site-related question for difficult cases (Shaw, 2003). The refinement in the procedure for selecting site-related chemicals was the main reason for this (first) revision of the PRA.

Media of Interest and Data Selection. Media of interest at the Impact Area include surface soil, subsurface soil and groundwater. Twenty-two surface soil samples from 22 sampling locations were taken from 0 to 1 ft below ground surface (bgs) (Table 5-1 of the SI report). Twenty subsurface soil samples from 19 sampling locations (co-located with surface soil sampling locations) were taken from 2 to 6 ft bgs. The subsurface soil sampling depths were intended to capture the upper bound on subsurface lead contamination in the area impacted by bullets. The soil sampling locations appear to be reasonably distributed across the Impact Area. Two groundwater samples were taken from each of two monitoring wells located at either side of the largest of the three discrete areas of lead contamination. No surface water bodies are associated with the Impact Area.

All surface soil samples were analyzed for metals. In addition, 12 surface soil samples were analyzed for nitroaromatics, and three samples were analyzed for chlorinated herbicides, organochlorine pesticides, organophosphate pesticides, semivolatile organic compounds (SVOC), and volatile organic compounds (VOC). All subsurface soil samples were analyzed for metals. In addition, nine subsurface soil samples were analyzed for nitroaromatics, and three samples were analyzed for chlorinated herbicides, organochlorine pesticides, organophosphate pesticides, SVOCs and VOCs. Two groundwater samples were analyzed for metals, all four groundwater samples were analyzed for nitroaromatics. In addition, three samples were analyzed for organochlorine pesticides and organophosphate pesticides, and one sample was analyzed for chlorinated herbicides, SVOCs and VOCs.

The analytical results are presented in Tables 5-1 through 5-3 of the SI report. All the analytical data were third-party validated. Analytical data that were “B” qualified, indicating that one or more blanks were contaminated, were not used in the PRA. For surface soil, this caused rejection of one detection of methylene chloride, three detections of mercury and selenium, and five detections of sodium. For subsurface soil, this caused rejection of one detection of silver, two detections of calcium, cobalt and methylene chloride, three detections of mercury, four detections of sodium, and eight detections of selenium. Sodium and calcium are considered nutritionally essential elements that are not evaluated in the PRA. The reported concentrations of the other metals and methylene chloride all fell below their respective site-specific screening level (SSSL) for residential soil, indicating that the rejection of these data have no effect on the outcome of the PRA. For groundwater, “B” qualification caused rejection of two detections each of calcium, magnesium, potassium and sodium – all of which are nutritionally essential and are not evaluated in the PRA. “B” qualification also caused rejection of one detection each of arsenic and barium. The reported concentrations, however, were below the BSC, suggesting that

they are within background levels. Therefore, deleting these data had no effect on the outcome of the PRA.

Site-Related Chemical Selection. Site-related chemicals are those presumed to be released by the army during operation of FTMC. Site-related metals were selected by a three-tier process as described in a technical memorandum on background screening (Shaw, 2003). Briefly, the procedure consists of: (Tier 1) comparing the maximum detected concentration (MDC) of each chemical with its BSC, consistent with EPA (2002a) Region IV guidance; (Tier 2) one or more statistical tests, depending on the characteristics of the background and site data sets; and (Tier 3), geochemical evaluation. All organic chemicals were selected as site-related because most of them are not naturally occurring and were presumed to be present as a result of site activities. The results of the site selection process are presented in Tables 1 and 2 for surface soil, Tables 3, 4 and 5 for total soil, and Tables 6, 7 and 8 for groundwater. The results of the statistical tests and geochemical evaluation are provided separately.

Site-related chemicals identified in surface soil include the metals copper and lead, and all the organic chemicals identified in surface soil (Tables 1 and 2). Metals other than lead associated with bullets include antimony, arsenic, nickel and zinc (EPA, 2002b). Antimony was identified in only 1 of 22 samples at a “J” qualified (estimated) concentration (data not shown). The frequency of detection of antimony falls below 5 percent, the level at which EPA (1989) suggests that reported detections may be spurious findings and may be excluded from the risk assessment. The single detection, however, occurred in the sample with the highest concentration of lead, suggesting an association with bullets. Furthermore, antimony was determined to be a site-related chemical in total soil. Considering the overall weight of evidence that the single detection of antimony is most likely related to the presence of bullets, antimony in surface soil is included as a site-related chemical for the purposes of the PRA.

Although arsenic is associated with bullets, the geochemical evaluation demonstrated that it is unlikely to be site-related in surface soil. The geochemical evaluation is generally considered to be highly reliable for identifying site-related levels of arsenic. Therefore, it is concluded that arsenic in surface soil is present at naturally occurring concentrations and arsenic in surface soil is considered no further.

Similarly, geochemical evaluation demonstrated that nickel and zinc are unlikely to be site-related in either surface or total soil. Also, the MDCs of nickel and zinc in soil fall below their respective SSSLs. Therefore, it is concluded that the presence of these metals would have no significant effect on the outcome of the PRA, and these metals in soil are considered no further.

Site-related chemicals identified in total soil include antimony, arsenic, copper and lead, and all the organic chemicals identified in soil (Tables 3, 4 and 5). The MDCs of antimony and lead, 1330 and 22,200 mg/kg, respectively, are extraordinarily high; the concentration of lead is equivalent to 2.2 percent in soil. The MDCs of antimony and lead were identified at sample location IMP-IASPOW-GP03. Highest lead concentrations from the closest surrounding sample locations, IMP-IASPOW-GP04, -GP10 and -GP11, were 17.1, 18.7 and 16.4 mg/kg, respectively). These observations suggest that the sample from location IMP-IASPOW-GP03 was contaminated with a bullet fragment.

The evaluation of nickel and zinc was discussed above.

Site-related chemicals identified in groundwater are limited to a long list of organochlorine pesticides and two nitroaromatic compounds (Tables 6, 7 and 8). Metals associated with bullets were not detected in groundwater.

Receptor Scenario Selection. The proposed reuse for the Impact Area is slated to be industrial. The groundskeeper is selected as the upper bound on exposure to soil for industrial reuse. The groundskeeper is evaluated for exposure to surface soil, assuming that grading or invasive development of the site is not required, with a second evaluation for exposure to total soil assuming that grading or invasive development is required to make the site suitable for the proposed future use. Total soil combines the surface soil and subsurface soil data sets to address the likelihood that site development would involve excavation and grading that would mix surface and subsurface soil. Direct exposure to subsurface soil alone is not plausible. A construction worker is included as a plausible receptor for short-term exposure, because construction activity is likely to be required for future development. Construction would probably include excavation and grading; therefore, the construction worker is assumed to be exposed to total soil rather than only surface soil. An on-site resident is also included, although development for residential use is unlikely, to provide additional perspective. Also, sites that “pass” a residential risk evaluation generally can be released for unrestricted use with no further action. The resident is evaluated for exposure to surface soil, with a second evaluation for exposure to total soil, assuming that development is required to render the site fit for residential use.

Groundwater is evaluated as if it were developed as a source of potable water. It is assumed that the groundskeeper, construction worker and resident would be exposed to groundwater.

Chemical of Potential Concern Selection. Chemicals of potential concern (COPC) are site-related chemicals whose MDCs exceed their SSSLs, and which may contribute significantly to risk. The SSSLs are receptor-, medium-, and chemical-specific risk-based concentrations that capture all the exposure assumptions and toxicity assessment of a full-blown baseline risk assessment. COPCs are selected for both cancer risk and noncancer effects when the data permit.

Chemicals selected as COPCs in surface soil are limited to antimony and lead for residential exposure (Table 1). No chemicals in surface soil are selected as COPCs for groundskeeper exposure (Table 2). Chemicals selected as COPCs in total soil include antimony, arsenic and lead for the resident (Table 3), groundskeeper (Table 5) and construction worker (Table 6). Chemicals selected as COPCs in groundwater include four organochlorine pesticides (aldrin, dieldrin, heptachlor epoxide, beta-BHC) and the nitroaromatic compound 4-amino-2,6-dinitrotoluene (ADNT) for the resident (Table 6). The list of groundwater COPCs is reduced to three organochlorine pesticides (aldrin, dieldrin, heptachlor epoxide) and ADNT for the groundskeeper (Table 7), and further reduced to include only ADNT for the construction worker (Table 8).

Risk Characterization. Risk characterization combines the exposure assumptions and toxicity assessment (incorporated in the SSSLs) with the exposure-point concentration (EPC) to quantify the incremental lifetime cancer risk (ILCR) and noncancer hazard index (HI). ILCR and HI estimates are computed for each COPC in each medium, and are summed across COPCs and media to yield a total ILCR and total HI for each receptor scenario. The PRA differs from an SRA in that the MDC is conservatively adopted as the EPC, at least initially. If refinement is required, the EPC for soil may be recalculated to reflect a conservative estimate of average, i.e., the 95th upper confidence limit on the arithmetic mean (UCL), which is considered a more reasonable and appropriate basis for risk assessment.

EPA (1990) considers ILCR estimates below 1E-6 to be negligible, ILCR estimates from 1E-6 to 1E-4 to fall within a risk management range, and ILCR estimates above 1E-4 to be generally unacceptable. EPA (1989) considers HI values that do not exceed the threshold level of 1 to indicate that the occurrence of adverse noncancer health effects is unlikely.

Summing HI values across chemicals, however, is considered to impart a conservative bias to the assessment, because only those chemicals that share a mechanism of toxicity are likely to interact in an additive manner (EPA, 1989). Since data regarding mechanism of toxicity are generally scarce, target organ or critical effect is often used as a surrogate. In other words, chemicals that act upon the same target organ or that have the same critical effect are considered to act by the same mechanism of toxicity unless sufficient evidence suggests that their mechanisms of toxicity are different. Therefore, when HI values summed across chemicals and media exceed the threshold level of 1, the HI values may be re-summed by target organ to refine the assessment.

Risk estimates may be rounded to one significant figure to reflect the uncertainty about their computation (EPA, 1989, 2002a). For example, a calculated ILCR of 9.50E-7 would be rounded to 1E-6 and interpreted as falling within the risk management range. Similarly, a calculated ILCR of 1.49E-4 would be rounded to 1E-4 and interpreted as falling within, but not exceeding, the risk management range. Also, an HI of 1.49E+0 would be rounded to 1 and interpreted as not exceeding the threshold level of 1. Risk and hazard estimates in this document are presented in scientific notation with two places to the right of the decimal to facilitate checking calculations. Rounding is done only if needed to simplify interpretation.

The foregoing discussion applies to all chemicals other than lead. Lead is treated as a special case because toxicity values are not available with which to estimate ILCR or HI. The SSSLs for lead in soil of 400 mg/kg for the resident and 880 mg/kg for the groundskeeper and construction worker are estimated from standard exposure assumptions and modeled human blood lead levels associated with the potential for adverse effects, primarily inhibited development of the immature central nervous system. The SSSL for the resident is based on the blood lead levels of very young children exposed to soil in a residential setting, because the very young child is the most sensitive member of the human population (EPA, 1998). The SSSL for the groundskeeper and construction worker is based on the blood levels of unborn children carried by working adults exposed to soil (EPA, 1996). Risk characterization for lead, therefore, consists of comparing the concentration in soil with the appropriate SSSLs. Soil lead concentrations that do not exceed the appropriate SSSL pass the evaluation; soil lead concentrations that exceed the

appropriate SSSL fail. Refinement of the lead evaluation consists of comparing the arithmetic mean concentration of lead averaged over the appropriate exposure unit, rather than the MDC, with the SSSL. The arithmetic mean is used instead of the UCL because the blood lead models on which the SSSLs are based contain a statistical module that adjusts for variation in exposure concentrations and exposure behavioral patterns.

Another requirement for lead in soil for sites intended for residential use is that the MDC not exceed the EPA (2003) acute criterion of 6,500 mg/kg. The acute criterion is designed to protect a 2-year-old child from a single pica exposure to lead in soil. No refinement of this evaluation is possible because the acute criterion is designed to protect for a single exposure event at a single location.

The numerical results of the risk characterization are presented below by receptor.

Resident. The resident is evaluated for simultaneous exposure to surface soil and groundwater, and a second time for exposure to total soil and groundwater. The residential scenario is generally considered the most conservative for long-term exposure to a site.

Surface Soil and Groundwater: An ILCR for residential exposure to surface soil was not calculated because no chemicals in surface soil were selected as COPCs based on cancer risk (Table 1). The ILCR of 6.77E-5 for residential exposure to groundwater is due to the presence of low levels of several organochlorine pesticides (Table 6). The total ILCR summed across media of 6.77E-5 falls within the risk management range.

The HI of 1.74E-1 for residential exposure to surface soil is due entirely to a single detection of antimony (Table 1), which appears to be related to the presence of bullets and bullet fragments. The HI of 1.74E+0 for residential exposure to groundwater is due to the presence of low levels of ADNT and several organochlorine pesticides (Table 6). The total HI summed across media of 1.91E+0 exceeds the threshold level of 1. Refinement of the total HI could be performed by segregating the HI estimates for individual target organs. However, this exercise is not performed because the concentration of lead in total soil is sufficiently high to preclude the residential scenario from passing, as discussed below.

Lead was identified as a COPC in surface soil because the MDC of 809 mg/kg exceeds the residential SSSL (Table 1). The arithmetic mean concentration of lead in surface soil of 180 mg/kg (data not shown) does not exceed the SSSL. Also the MDC falls below the EPA (2003) acute criterion of 6,500 mg/kg. Lead in surface soil is unlikely to induce adverse effects in children in a residential setting.

Total Soil and Groundwater: The ILCR of 2.75E-4 for residential exposure to total soil is due entirely to arsenic (Table 3). The ILCR of 6.77E-5 for residential exposure to groundwater (Table 6) was discussed above. The total ILCR summed across media of 3.43E-4 exceeds the risk management range and is considered to be unacceptable. Refinement of the total ILCR could be performed by estimating a more reasonable EPC for arsenic in total soil. However, this exercise is not performed for the reasons described above.

The HI of $4.78\text{E}+1$ for residential exposure to total soil is due to antimony and arsenic (Table 3), which appear to be related to the presence of bullets and bullet fragments. The HI of $1.74\text{E}+0$ for residential exposure to groundwater (Table 6) was described above. The total HI summed across media of $4.95\text{E}+1$ exceeds the threshold level of 1. Refinement of the total HI is not performed for the reasons given above.

Lead was identified as a COPC in total soil because the MDC of 22,200 mg/kg exceeds the residential SSSL (Table 3). The arithmetic mean concentration of lead in total soil of 642 mg/kg (data not shown) also exceeds the SSSL. Furthermore, the MDC exceeds the EPA (2003) acute criterion of 6,500 mg/kg. Lead in total soil may induce adverse effects in children in a residential setting.

Groundskeeper. The groundskeeper is evaluated for simultaneous exposure to surface soil and groundwater, and a second time for exposure to total soil and groundwater. The groundskeeper scenario is generally considered the most conservative for long-term exposure to a site restricted to industrial or commercial use.

Surface Soil and Groundwater: An ILCR for groundskeeper exposure to surface soil was not calculated because no chemicals in surface soil were selected as COPCs based on cancer risk (Table 2). The ILCR of $1.63\text{E}-5$ for groundskeeper exposure to groundwater is due to the presence of low levels of three organochlorine pesticides (Table 7). The total ILCR summed across media of $1.63\text{E}-5$ falls within the risk management range.

An HI for groundskeeper exposure to surface soil was not calculated because no chemicals in surface soil were selected as COPCs based on noncancer effects (Table 2). The HI of $1.81\text{E}-1$ for groundskeeper exposure to groundwater is due entirely to the presence of low levels of ADNT (Table 7). The total HI summed across media of $1.81\text{E}-1$ falls below the threshold level of 1.

Total Soil and Groundwater: The ILCR of $7.36\text{E}-5$ for groundskeeper exposure to total soil is due entirely to arsenic (Table 4). The ILCR of $1.63\text{E}-5$ for groundskeeper exposure to groundwater (Table 7) was described above. The total ILCR summed across media of $8.99\text{E}-5$ falls within the risk management range.

The HI of $3.65\text{E}+0$ for groundskeeper exposure to total soil is due to antimony (HI = $3.27\text{E}+0$) and arsenic (HI = $3.82\text{E}-1$) (Table 4). The HI of $1.81\text{E}-1$ for groundskeeper exposure to groundwater (Table 7) was described above. The total HI summed across media of $3.83\text{E}+0$ exceeds the threshold level of 1. Antimony in total soil is the risk driver, and arsenic in total soil also contributes significantly to the unacceptable HI. Antimony, however, was identified in only 3 of 42 samples, with 1330 mg/kg as the MDC. The arithmetic mean concentration and the UCL on the arithmetic mean are 37.4 and 178 mg/kg, respectively (data not shown). Arsenic was identified in all 42 samples, with values for MDC, arithmetic mean and UCL on the arithmetic mean of 117, 10.7 and 22.5 mg/kg, respectively (data not shown).

The HI value for groundskeeper exposure to total soil can be refined by choosing the UCL on the mean rather than the MDC as the EPC. Refined HI values for groundskeeper exposure to

antimony and arsenic estimated in this manner are 4.37E-1 and 7.35E-2, respectively (data not shown). The refined total HI for groundskeeper exposure to total soil is 5.11E-1, and the refined total HI for groundskeeper exposure to total soil and groundwater is 6.92E-1, which falls below the threshold level of 1.

Lead was identified as a COPC in total soil because the MDC of 2.22E+4 mg/kg exceeds the groundskeeper SSSL (Table 4). A groundskeeper, however, would be exposed randomly across the entire site, such that the arithmetic mean concentration is a more reasonable EPC for lead. The arithmetic mean concentration of lead in total soil of 642 mg/kg (data not shown) falls below the groundskeeper SSSL. Lead in total soil is unlikely to induce adverse effects in children of a groundskeeper.

Construction Worker. The construction worker is evaluated for simultaneous exposure to total soil and groundwater. The construction worker scenario is generally considered the most conservative for short-term exposure to a site.

Total Soil and Groundwater: The ILCR of 5.90E-6 for construction worker exposure to total soil is due entirely to arsenic (Table 5). An ILCR for construction worker exposure to groundwater was not calculated because no chemicals in groundwater were selected as COPCs based on cancer risk (Table 8). The total ILCR summed across media of 5.90E-6 falls within the risk management range.

The HI of 7.44E+0 for construction worker exposure to total soil is due to antimony (HI = 6.68E+0) and arsenic (HI = 7.65E-1) (Table 5). The HI of 1.81E-1 for construction worker exposure to groundwater (Table 8) is identical to that for the groundskeeper described above. The total HI summed across media of 7.62E+0 exceeds the threshold level of 1. Antimony and arsenic in total soil are the major contributors as described for the groundskeeper. The HI values for these metals can be refined by using the UCL as the EPC as was done for the groundskeeper. Refined HI values for construction worker exposure to antimony and arsenic estimated in this manner are 8.94E-1 and 1.47E-1, respectively (data not shown). The refined total HI for groundskeeper exposure to total soil is 1.04E+0, and the refined total HI for groundskeeper exposure to total soil and groundwater is 1.22E+0, which rounded to one significant figure is equivalent to but does not exceed the threshold level of 1.

Lead was identified as a COPC in total soil because the MDC of 2.22E+4 mg/kg exceeds the construction worker SSSL (Table 5). However, the arithmetic mean concentration of lead in total soil of 642 mg/kg (data not shown) falls below the construction worker SSSL. Lead in total soil is unlikely to induce adverse effects in children of a construction worker.

Summary and Conclusions. In summary, surface soil, total soil and groundwater at the Impact Area were evaluated for risk under three separate receptor exposure scenarios. The Impact Area is slated for development for industrial purposes. Therefore, the groundskeeper scenario was evaluated as the upper bound on risk for long-term industrial exposure, and the construction worker scenario was evaluated as the upper bound on risk for short-term exposure. Although residential site use is precluded by industrial development, the residential scenario was included

for the additional information and perspective provided. Also, should the site pass the residential evaluation, it could be released for unrestricted use with no further action.

The Impact Area has clearly been affected by bullets and bullet fragments. Site-related chemicals in soil include metals associated with bullets, including antimony, arsenic, copper, and lead. Concentrations (except copper) are higher in subsurface soil than surface soil, suggesting that bullet penetration of the surface probably occurred. Other site-related chemicals in soil include a few detections of low levels of several VOCs, two hits of a chlorinated herbicide, and a single detection of a low level of DDT.

Site-related chemicals in groundwater include low levels of many organochlorine pesticides and two nitroaromatic compounds. Notably, metals associated with bullets were not detected in groundwater. The source(s) of the pesticides and nitroaromatic compounds is unclear, because none of the organic compounds identified in groundwater were detected in soil. Also, none of the VOCs identified in soil were detected in groundwater. It is noteworthy that groundwater concentrations do not exceed maximum contaminant levels (MCL) (EPA, 2002c) for the few site-related chemicals (five pesticides) for which MCLs are available.

The residential risk evaluation failed primarily because of the concentrations of lead in total soil, but with significant contributions from antimony and arsenic as well (Table 3). Both the groundskeeper and construction worker risk evaluations passed when the MDC was replaced with a more reasonable conservative estimate of average as the EPC. It is concluded that the Impact Area may be released for industrial use, but not for residential use, with no further action.

Lead is clearly the most abundant site-related contaminant present on the Impact Area. Evaluation of the surface soil data (Table 5-1 of the SI report) permits identification of three discrete zones of contamination, and isopleths of lead concentration were identified within each zone (Figure 5-1 of the SI report). Surface soil concentrations of lead outside the three discrete zones did not exceed the BSC.

Subsurface soil contamination appears to be considerably less widespread. Only four of 20 subsurface soil samples contained lead at levels above the BSC. Hand plotting the subsurface soil lead concentrations (data not shown) did not reveal a discernable pattern of distribution. For example, only one subsurface soil sample in the northeastern-most contamination zone (41 mg/kg) very slightly exceeded the BSC (40.05 mg/kg). No subsurface soil lead concentrations in the middle contamination zones exceeded the BSC. Only one subsurface soil sample in the southwestern-most contamination zone exceeded the BSC. Subsurface soil at sample location IMP-IASPOW-GP03 at the 3- to 4-ft bgs level (Sample Number QG0006) contained 22,200 mg/kg (equivalent to 2.2 percent). At the same sample location, lead concentration at the surface was only 110 mg/kg, and lead at 4 to 6 ft bgs was well within background levels. One subsurface sample far outside the three distinct contamination zones (sample location IMP-IASPOW-GP02, at the southwestern border of the Impact Area) contained lead at 429 mg/kg.

Examination of the raw data (Tables 5-1 and 5-2 and Figure 5-1 of the SI report) revealed that the highest concentrations of lead, antimony and arsenic all occurred in Sample Number QG0006. The extraordinarily high levels of metals associated with this single sample prompted

speculation that the residential exposure scenario might pass the risk evaluation if the soil associated with this sample were removed. This speculation was pursued by eliminating Sample Number QG0006 from the metals data sets and recalculating EPCs based on UCLs. The recalculated UCLs were then used to refine the risk and hazard estimates for residential exposure to total soil. The recalculated UCLs for antimony and arsenic are 6.02 and 10.2 mg/kg, respectively (data not shown). The refined ILCR for residential exposure to arsenic in total soil is 2.39E-5, and the refined HI values for antimony and arsenic are 1.94E-1 and 4.36E-1, respectively. The total ILCR summed across total soil and groundwater of 9.16E-5 falls within the risk management range. The total HI summed across total soil and groundwater of 2.37 exceeds the threshold level of 1.

The HI of 2.37 was segregated by target organ as a final step to refining the noncancer risk evaluation for the resident:

Chemical	Target Organs ^a				
	Heart	Skin	PVS	Liver	RBC
Contribution to Total HI from Chemicals in Total Soil					
Antimony	1.94E-1				
Arsenic		4.36E-1	4.36E-1		
Contribution to Total HI from Chemicals in Groundwater (Table 6)					
Aldrin				1.71E-1	
Dieldrin				2.14E-1	
Heptachlor epoxide				1.83E-1	
4-Amino-2,6-dinitrotoluene (ADNT)				1.18E+0	1.18E+0
Total Target Organ HI	1.94E-1	4.36E-1	4.36E-1	1.75E+0	1.18E+0
a Please see Toxicological Profiles in Appendix A of the following reference for target organs: IT Corporation (IT), 2000, <i>Human Health and Ecological Screening Values and PAH Background Summary Report</i> , Final, Fort McClellan, Calhoun County, Alabama, Prepared for U.S. Army Corps of Engineers, Mobile District, August. PVS = peripheral vascular system; RBC = red blood cell or erythrocyte.					

The total HI for all target organs falls below the threshold level of 1 except for the liver and erythrocyte. However, when the HI is rounded to one significant figure, the HI for the erythrocyte does not exceed the threshold level of 1.

The HI for the liver exceeds the threshold level of 1 due to the contributions from two classes of chemicals. Aldrin, dieldrin and heptachlor epoxide belong to the class of chemicals known as organochlorine pesticides. These compounds act upon the liver by a common mechanism of toxicity involving induction of certain liver enzymes in the mixed function oxidase group, which results in altered steroid metabolism and a hepatocytic preneoplastic or proliferative response (ATSDR, 1993, 2002). Essentially nothing is known about the mechanism of toxicity of ADNT; however, the mechanism of toxicity of its parent compound, 1,4,6-trinitrotoluene (TNT), is understood. TNT undergoes degradation and reduction to release hydroxylamine groups that bind to sulfhydryl proteins and induce free radical formation within the hepatocellular mitochondria and microsomes (ATSDR, 1995). These changes cause hepatocellular damage and necrosis, interfering with normal liver function. It is assumed that the mechanisms of toxicity of ADNT and TNT are the same.

The preceding discussion is sufficient to conclude that the mechanisms of toxicity of the organochlorine pesticides and ADNT are different. Therefore, HI values estimated for the organochlorine pesticides should not be summed with the HI for ADNT. The total HI for the organochlorine pesticides of $5.68\text{E-}1$ falls below the threshold value of 1. The HI for ADNT of $1.18\text{E+}0$ when rounded to one significant figure does not exceed the threshold value of 1.

Removal of Sample Number QG0006 from the total soil data set results in a new MDC for lead of 809 mg/kg and a new arithmetic mean concentration of 116 mg/kg (data not shown). Lead was selected as a COPC for residential exposure because the MDC exceeds the SSSL of 400 mg/kg. However, the arithmetic mean lead concentration falls below the SSSL. Furthermore, the MDC falls below the EPA (2003) acute criterion for lead in soil of 6,500 mg/kg.

It is concluded that the Impact Area can be released in its present condition for industrial use, but not for residential or unrestricted use, with no further action. It is also concluded that the Impact Area could be released for unrestricted use if all soil associated with Sample Number QG0006 (IMP-IASPOW-GP03) were removed or otherwise treated to reduce or preclude exposure to antimony, arsenic and lead. *The conclusions stated here are subject to the risk managers consideration of the uncertainty discussed below.*

A very significant source of uncertainty associated with this assessment is related to the observation recorded in the first paragraph, that expended bullets and bullet fragments were observed on the surface over a substantial portion of the site. Large metal fragments ordinarily are screened out during sampling and are not included for analysis, so the metals associated with these fragments were not included in the health assessment. It is known, however, that lead bullets and fragments oxidize and degrade slowly over time, releasing lead compounds to the soil (EPA, 2000, 2001, 2002b). At present, little is known regarding the rate and extent of this degradation, and the extent, if any, to which soil concentrations of lead, and possibly antimony and arsenic, may rise with time. It is possible, therefore, that health risks may increase with time unless the bullet fragments on the surface (or possibly buried beneath the surface) are removed or otherwise rendered inert to further degradation. Furthermore, the bullets and larger fragments visible on the surface may be attractive to a child that practices pica, representing a type of risk not evaluated herein. *This source of uncertainty must be brought to the attention of the site managers.*

Another less significant source of uncertainty pertains to the groundwater. The groundwater data set is limited to two sampling rounds from two wells. Both wells are located outside of the three discrete contaminated areas, and may not have captured the full potential for leaching of metals associated with bullets. However, the metals identified in groundwater appear to be present at concentrations comparable to background. Of particular interest was the observation of low levels of a wide variety of organochlorine pesticides in both wells. None of the organochlorine pesticides detected in groundwater were detected in soil, although only three surface soil samples and three subsurface soil samples were analyzed for organochlorine pesticides. Their source in groundwater at the Impact Area is unclear. Similarly, two nitroaromatic compounds were detected in groundwater. Neither of the nitroaromatic compounds detected in groundwater were detected in soil. A total of 12 surface soil and 9 subsurface soil samples were analyzed for

nitroaromatic compounds. Nitroaromatic compounds as residue of gunpowder are more likely to be found nearer the firing line than the bullet impact area. The source of these compounds in groundwater at the Impact Area is unclear.

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Table 1

**Preliminary Risk Assessment for Residential Exposure to Surface Soil
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Residential Soil SSSL-c ^b	Residential Soil SSSL-n ^c	Residential Cancer COPC? ^d	Residential Noncancer COPC? ^e	Residential ILCR ^f	Residential HI ^g
Metals								
Aluminum	3.20E+04	No(3)	NA	7.80E+03				
Antimony	5.41E+00	No(2)	NA	3.11E+00		5.41E+00		1.74E-01
Arsenic	1.66E+01	No(3)	4.26E-01	2.34E+00				
Barium	1.24E+02	No(3)	NA	5.47E+02				
Beryllium	1.57E+00	No(3)	NA	9.60E+00				
Calcium	1.39E+03	No(E)	NA	NA				
Chromium ^h	3.77E+01	No(3)	NA	2.32E+01				
Cobalt	2.34E+01	No(3)	NA	4.68E+02				
Copper	2.00E+02	2.00E+02	NA	3.13E+02				
Iron	4.54E+04	No(3)	NA	2.34E+03				
Lead	8.09E+02	8.09E+02	NA	4.00E+02		8.09E+02		
Magnesium	1.42E+03	No(E)	NA	NA				
Manganese	3.19E+03	No(3)	NA	3.63E+02				
Mercury	1.12E-01	No(2)	NA	2.33E+00				
Nickel	1.82E+01	No(3)	NA	1.54E+02				
Potassium	1.11E+03	No(E)	NA	NA				
Selenium	2.08E+00	No(3)	NA	3.91E+01				
Silver	2.13E+00	No(3)	NA	3.91E+01				
Sodium	6.82E+01	No(E)	NA	NA				
Vanadium	5.29E+01	No(1)	NA	5.31E+01				
Zinc	5.54E+01	No(3)	NA	2.34E+03				
Pesticides								
4,4'-DDT	8.90E-04	8.90E-04	1.79E+00	3.83E+00				
Volatile Organic Compounds								
2-Butanone	1.80E-02	1.80E-02	NA	4.66E+03				
Acetone	3.30E-01	3.30E-01	NA	7.76E+02				
Tetrachloroethene	1.20E-03	1.20E-03	1.21E+01	7.77E+01				
Trichloroethene	1.90E-03	1.90E-03	5.72E+01	4.66E+01				
Trichlorofluoromethane	2.00E-03	2.00E-03	NA	2.33E+03				
Total ILCR, HI							--	1.74E-01

All concentrations expressed as mg/kg.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index.

-- = Not Calculated

NA = Not Available

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

Table 1

**Preliminary Risk Assessment for Residential Exposure to Surface Soil
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

No(1) = Deselected as a site-related chemical at Tier 1.

No(2) = Deselected as a site-related chemical at Tier 2.

No(3) = Deselected as a site-related chemical at Tier 3.

^b Site-specific screening level based on cancer risk for residential exposure to soil.

^c Site-specific screening level based on noncancer hazard for residential exposure to soil.

^d MDC presented only if it exceeds SSSL-c.

^e MDC presented only if it exceeds SSSL-n.

^f Incremental lifetime cancer risk for resident exposed to chemical in soil.

^g Hazard index for noncancer effects for resident exposed to chemical in soil.

^h SSSL based on chromium VI.

Table 2

**Preliminary Risk Assessment for the Groundskeeper Exposure to Surface Soil
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site- Related Chemical? ^a	Groundskeeper Soil SSSL-c ^b	Groundskeeper Soil SSSL-n ^c	Groundskeeper Cancer COPC? ^d	Groundskeeper Noncancer COPC? ^e	Groundskeeper ILCR ^f	Groundskeeper HI ^g
Metals								
Aluminum	3.20E+04	No(3)	NA	6.69E+03				
Antimony	5.41E+00	No(2)	NA	4.07E+01				
Arsenic	1.66E+01	No(3)	1.59E+00	3.06E+01				
Barium	1.24E+02	No(3)	NA	6.50E+02				
Beryllium	1.57E+00	No(3)	1.70E+01	2.39E+01				
Calcium	1.39E+03	No(E)	NA	NA				
Chromium ^h	3.77E+01	No(3)	3.41E+00	9.96E+01				
Cobalt	2.34E+01	No(3)	NA	2.90E+01				
Copper	2.00E+02	2.00E+02	NA	4.08E+03				
Iron	4.54E+04	No(3)	NA	3.06E+04				
Lead	8.09E+02	8.09E+02	NA	8.80E+02				
Magnesium	1.42E+03	No(E)	NA	NA				
Manganese	3.19E+03	No(3)	NA	7.05E+01				
Mercury	1.12E-01	No(2)	NA	2.85E+01				
Nickel	1.82E+01	No(3)	1.70E+02	2.02E+03				
Potassium	1.11E+03	No(E)	NA	NA				
Selenium	2.08E+00	No(3)	NA	5.11E+02				
Silver	2.13E+00	No(3)	NA	5.11E+02				
Sodium	6.82E+01	No(E)	NA	NA				
Vanadium	5.29E+01	No(1)	NA	6.97E+02				
Zinc	5.54E+01	No(3)	NA	3.06E+04				
Pesticides								
4,4'-DDT	8.90E-04	8.90E-04	8.11E+00	5.02E+01				
Volatile Organic Compounds								
2-Butanone	1.80E-02	1.80E-02	NA	5.86E+04				
Acetone	3.30E-01	3.30E-01	NA	1.02E+04				
Tetrachloroethene	1.20E-03	1.20E-03	5.47E+01	1.02E+03				
Trichloroethene	1.90E-03	1.90E-03	2.56E+02	6.10E+02				
Trichlorofluoromethane	2.00E-03	2.00E-03	NA	2.96E+04				
Total ILCR, HI							--	--

All concentrations expressed as mg/kg.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index.

-- = Not Calculated

NA = Not Available

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

Table 2

**Preliminary Risk Assessment for the Groundskeeper Exposure to Surface Soil
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

- No(1) = Deselected as a site-related chemical at Tier 1.
No(2) = Deselected as a site-related chemical at Tier 2.
No(3) = Deselected as a site-related chemical at Tier 3.
^b Site-specific screening level based on cancer risk for groundskeeper exposure to soil.
^c Site-specific screening level based on noncancer hazard for groundskeeper exposure to soil.
^d MDC presented only if it exceeds SSSL-c.
^e MDC presented only if it exceeds SSSL-n.
^f Incremental lifetime cancer risk for groundskeeper exposed to chemical in soil.
^g Hazard index for noncancer effects for groundskeeper exposed to chemical in soil.
^h SSSL based on chromium VI.

Table 3

**Preliminary Risk Assessment for Residential Exposure to Total Soil (Surface and Subsurface Combined)
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Residential Soil SSSL-c ^b	Residential Soil SSSL-n ^c	Residential Cancer COPC? ^d	Residential Noncancer COPC? ^e	Residential ILCR ^f	Residential HI ^g
Metals								
Aluminum	3.20E+04	No(3)	NA	7.80E+03				
Antimony	1.33E+03	1.33E+03	NA	3.11E+00		1.33E+03		4.28E+01
Arsenic	1.17E+02	1.17E+02	4.26E-01	2.34E+00	1.17E+02	1.17E+02	2.75E-04	4.99E+00
Barium	1.24E+02	No(1)	NA	5.47E+02				
Beryllium	1.57E+00	No(3)	NA	9.60E+00				
Calcium	1.39E+03	No(E)	NA	NA				
Chromium ^h	7.18E+01	No(3)	NA	2.32E+01				
Cobalt	2.34E+01	No(3)	NA	4.68E+02				
Copper	2.00E+02	2.00E+02	NA	3.13E+02				
Iron	4.54E+04	No(3)	NA	2.34E+03				
Lead	2.22E+04	2.22E+04	NA	4.00E+02		2.22E+04		
Magnesium	1.42E+03	No(E)	NA	NA				
Manganese	3.19E+03	No(3)	NA	3.63E+02				
Mercury	1.57E-01	No(3)	NA	2.33E+00				
Nickel	1.82E+01	No(3)	NA	1.54E+02				
Potassium	1.50E+03	No(E)	NA	NA				
Selenium	2.08E+00	No(3)	NA	3.91E+01				
Silver	3.01E+00	No(3)	NA	3.91E+01				
Sodium	6.82E+01	No(E)	NA	NA				
Vanadium	5.97E+01	No(1)	NA	5.31E+01				
Zinc	5.54E+01	No(3)	NA	2.34E+03				
Pesticides								
4,4'-DDT	8.90E-04	8.90E-04	1.79E+00	3.83E+00				
Herbicides								
MCPP	7.40E-01	7.40E-01	NA	7.77E+00				
Volatile Organic Compounds								
2-Butanone	2.20E-02	2.20E-02	NA	4.66E+03				
Acetone	3.30E-01	3.30E-01	NA	7.76E+02				
Tetrachloroethene	1.20E-03	1.20E-03	1.21E+01	7.77E+01				
Trichloroethene	1.90E-03	1.90E-03	5.72E+01	4.66E+01				
Trichlorofluoromethane	2.00E-03	2.00E-03	NA	2.33E+03				
Total ILCR, HI							2.75E-04	4.78E+01

All concentrations expressed as mg/kg.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index.

-- = Not Calculated

NA = Not Available

Table 3

**Preliminary Risk Assessment for Residential Exposure to Total Soil (Surface and Subsurface Combined)
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

No(1) = Deselected as a site-related chemical at Tier 1.

No(2) = Deselected as a site-related chemical at Tier 2.

No(3) = Deselected as a site-related chemical at Tier 3.

^b Site-specific screening level based on cancer risk for residential exposure to soil.

^c Site-specific screening level based on noncancer hazard for residential exposure to soil.

^d MDC presented only if it exceeds SSSL-c.

^e MDC presented only if it exceeds SSSL-n.

^f Incremental lifetime cancer risk for resident exposed to chemical in soil.

^g Hazard index for noncancer effects for resident exposed to chemical in soil.

^h SSSL based on chromium VI.

Table 4

**Preliminary Risk Assessment for the Groundskeeper Exposure to Total Soil (Surface and Subsurface Combined)
Impact Area South of POW Training Facility, Parcel 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Groundskeeper Soil SSSL-c ^b	Groundskeeper Soil SSSL-n ^c	Groundskeeper Cancer COPC? ^d	Groundskeeper Noncancer COPC? ^e	Groundskeeper ILCR ^f	Groundskeeper HI ^g
Metals								
Aluminum	3.20E+04	No(3)	NA	6.69E+03				
Antimony	1.33E+03	1.33E+03	NA	4.07E+01		1.33E+03		3.27E+00
Arsenic	1.17E+02	1.17E+02	1.59E+00	3.06E+01	1.17E+02	1.17E+02	7.36E-05	3.82E-01
Barium	1.24E+02	No(1)	NA	6.50E+02				
Beryllium	1.57E+00	No(3)	1.70E+01	2.39E+01				
Calcium	1.39E+03	No(E)	NA	NA				
Chromium ^h	7.18E+01	No(3)	3.41E+00	9.96E+01				
Cobalt	2.34E+01	No(3)	NA	2.90E+01				
Copper	2.00E+02	2.00E+02	NA	4.08E+03				
Iron	4.54E+04	No(3)	NA	3.06E+04				
Lead	2.22E+04	2.22E+04	NA	8.80E+02		2.22E+04		
Magnesium	1.42E+03	No(E)	NA	NA				
Manganese	3.19E+03	No(3)	NA	7.05E+01				
Mercury	1.57E-01	No(3)	NA	2.85E+01				
Nickel	1.82E+01	No(3)	1.70E+02	2.02E+03				
Potassium	1.50E+03	No(E)	NA	NA				
Selenium	2.08E+00	No(3)	NA	5.11E+02				
Silver	3.01E+00	No(3)	NA	5.11E+02				
Sodium	6.82E+01	No(E)	NA	NA				
Vanadium	5.97E+01	No(1)	NA	6.97E+02				
Zinc	5.54E+01	No(3)	NA	3.06E+04				
Pesticides								
4,4'-DDT	8.90E-04	8.90E-04	8.11E+00	5.02E+01				
Herbicides								
MCPP	7.40E-01	7.40E-01	NA	1.02E+02				
Volatile Organic Compounds								
2-Butanone	2.20E-02	2.20E-02	NA	5.86E+04				
Acetone	3.30E-01	3.30E-01	NA	1.02E+04				
Tetrachloroethene	1.20E-03	1.20E-03	5.47E+01	1.02E+03				
Trichloroethene	1.90E-03	1.90E-03	2.56E+02	6.10E+02				
Trichlorofluoromethane	2.00E-03	2.00E-03	NA	2.96E+04				
Total ILCR, HI							7.36E-05	3.65E+00

All concentrations expressed as mg/kg.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index.

-- = Not Calculated

NA = Not Available

Table 4

**Preliminary Risk Assessment for the Groundskeeper Exposure to Total Soil (Surface and Subsurface Combined)
Impact Area South of POW Training Facility, Parcel 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Groundskeeper Soil SSSL-c ^b	Groundskeeper Soil SSSL-n ^c	Groundskeeper Cancer COPC? ^d	Groundskeeper Noncancer COPC? ^e	Groundskeeper ILCR ^f	Groundskeeper HI ^g

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

No(1) = Deselected as a site-related chemical at Tier 1.

No(2) = Deselected as a site-related chemical at Tier 2.

No(3) = Deselected as a site-related chemical at Tier 3.

^b Site-specific screening level based on cancer risk for groundskeeper exposure to soil.

^c Site-specific screening level based on noncancer hazard for groundskeeper exposure to soil.

^d MDC presented only if it exceeds SSSL-c.

^e MDC presented only if it exceeds SSSL-n.

^f Incremental lifetime cancer risk for groundskeeper exposed to chemical in soil.

^g Hazard index for noncancer effects for groundskeeper exposed to chemical in soil.

^h SSSL based on chromium VI.

Table 5

**Preliminary Risk Assessment for the Construction Worker Exposure to Total Soil (Surface and Subsurface Combined)
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Construction Worker Soil SSSL-c ^b	Construction Worker Soil SSSL-n ^c	Construction Worker Cancer COPC? ^d	Construction Worker Noncancer COPC? ^e	Construction Worker ILCR ^f	Construction Worker HI ^g
Metals								
Aluminum	3.20E+04	No(3)	NA	3.34E+03				
Antimony	1.33E+03	1.33E+03	NA	1.99E+01		1.33E+03		6.68E+00
Arsenic	1.17E+02	1.17E+02	1.98E+01	1.53E+01	1.17E+02	1.17E+02	5.90E-06	7.65E-01
Barium	1.24E+02	No(1)	NA	3.25E+02				
Beryllium	1.57E+00	No(3)	2.13E+02	9.60E+00				
Calcium	1.39E+03	No(E)	NA	NA				
Chromium ^h	7.18E+01	No(3)	4.26E+01	4.91E+01				
Cobalt	2.34E+01	No(3)	NA	1.45E+01				
Copper	2.00E+02	2.00E+02	NA	2.04E+03				
Iron	4.54E+04	No(3)	NA	1.53E+04				
Lead	2.22E+04	2.22E+04	NA	8.80E+02		2.22E+04		
Magnesium	1.42E+03	No(E)	NA	NA				
Manganese	3.19E+03	No(3)	NA	3.52E+01				
Mercury	1.57E-01	No(3)	NA	1.38E+01				
Nickel	1.82E+01	No(3)	2.13E+03	9.59E+02				
Potassium	1.50E+03	No(E)	NA	NA				
Selenium	2.08E+00	No(3)	NA	2.55E+02				
Silver	3.01E+00	No(3)	NA	2.56E+02				
Sodium	6.82E+01	No(E)	NA	NA				
Vanadium	5.97E+01	No(1)	NA	3.16E+02				
Zinc	5.54E+01	No(3)	NA	1.52E+04				
Pesticides								
4,4'-DDT	8.90E-04	8.90E-04	9.50E+01	2.35E+01				
Herbicides								
MCPP	7.40E-01	7.40E-01	NA	4.97E+01				
Volatile Organic Compounds								
2-Butanone	2.20E-02	2.20E-02	NA	2.86E+04				
Acetone	3.30E-01	3.30E-01	NA	4.95E+03				
Tetrachloroethene	1.20E-03	1.20E-03	6.70E+02	4.97E+02				
Trichloroethene	1.90E-03	1.90E-03	3.13E+03	2.98E+02				
Trichlorofluoromethane	2.00E-03	2.00E-03	NA	1.44E+04				
Total ILCR, HI							5.90E-06	7.44E+00

All concentrations expressed as mg/kg.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index.

-- = Not Calculated

NA = Not Available

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

Table 5

**Preliminary Risk Assessment for the Construction Worker Exposure to Total Soil (Surface and Subsurface Combined)
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Construction Worker Soil SSSL-c ^b	Construction Worker Soil SSSL-n ^c	Construction Worker Cancer COPC? ^d	Construction Worker Noncancer COPC? ^e	Construction Worker ILCR ^f	Construction Worker HI ^g

No(1) = Deselected as a site-related chemical at Tier 1.

No(2) = Deselected as a site-related chemical at Tier 2.

No(3) = Deselected as a site-related chemical at Tier 3.

^b Site-specific screening level based on cancer risk for construction worker exposure to soil.

^c Site-specific screening level based on noncancer hazard for construction worker exposure to soil.

^d MDC presented only if it exceeds SSSL-c.

^e MDC presented only if it exceeds SSSL-n.

^f Incremental lifetime cancer risk for construction worker exposed to chemical in soil.

^g Hazard index for noncancer effects for construction worker exposed to chemical in soil.

^h SSSL based on chromium VI.

Table 6

**Preliminary Risk Assessment for Residential Exposure to Groundwater
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Residential Groundwater SSSL-c ^b	Residential Groundwater SSSL-n ^c	Residential Cancer COPC? ^d	Residential Noncancer COPC? ^e	Residential ILCR ^f	Residential HI ^g	MCL ^h
Metals									
Aluminum	3.16E-01	No(1)	NA	1.56E+00					
Barium	1.55E-02	No(1)	NA	1.10E-01					
Cobalt	1.53E-02	No(1)	NA	9.39E-02					
Iron	6.73E-01	No(1)	NA	4.69E-01					
Manganese	6.37E-01	No(2)	NA	7.35E-02					
Pesticides									
4,4'-DDD	1.60E-04	1.60E-04	1.83E-04	NA					
Aldrin	8.00E-05	8.00E-05	3.92E-06	4.67E-05	8.00E-05	8.00E-05	2.04E-05	1.71E-01	
Dieldrin	1.60E-04	1.60E-04	3.97E-06	7.47E-05	1.60E-04	1.60E-04	4.03E-05	2.14E-01	
Endosulfan I	3.90E-05	3.90E-05	NA	9.35E-03					
Endosulfan II	2.50E-05	2.50E-05	NA	9.35E-03					
Endrin	2.20E-04	2.20E-04	NA	4.48E-04					2.00E-03
Heptachlor epoxide	3.40E-05	3.40E-05	6.63E-06	1.85E-05	3.40E-05	3.40E-05	5.13E-06	1.83E-01	2.00E-04
alpha-Chlordane	1.50E-04	1.50E-04	1.75E-04	7.22E-04					2.00E-03
beta-BHC	6.90E-05	6.90E-05	3.61E-05	NA	6.90E-05		1.91E-06		
delta-BHC	3.00E-05	3.00E-05	NA	4.49E-04					
gamma-BHC (Lindane)	3.80E-05	3.80E-05	5.03E-05	4.60E-04					2.00E-04
gamma-Chlordane	8.10E-05	8.10E-05	1.75E-04	7.22E-04					2.00E-03
Nitroaromatics									
2-Nitrotoluene	2.10E-03	2.10E-03	NA	1.53E-02					
4-Amino-2,6-dinitrotoluene	1.10E-03	1.10E-03	NA	9.36E-05		1.10E-03		1.18E+00	
Total ILCR, HI							6.77E-05	1.74E+00	

All concentrations expressed as mg/L.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index; MCL = maximum contaminant level (presented only for site-related chemicals); NA = Not available.

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

No(1) = Deselected as a site-related chemical at Tier 1.

No(2) = Deselected as a site-related chemical at Tier 2.

No(3) = Deselected as a site-related chemical at Tier 3.

^b Site-specific screening level based on cancer risk for residential exposure to groundwater.

^c Site-specific screening level based on noncancer hazard for residential exposure to groundwater.

^d MDC presented only if it exceeds SSSL-c.

^e MDC presented only if it exceeds SSSL-n.

^f Incremental lifetime cancer risk for resident exposed to chemical in groundwater.

^g Hazard index for noncancer effects for resident exposed to chemical in groundwater.

^h EPA, 2002, 2002 Edition of the Drinking Water Standards and Health Advisories, Office of Water, Washington, DC, EPA 822-R-02-038, Summer.

Table 7

**Preliminary Risk Assessment for Groundskeeper Exposure to Groundwater
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Groundskeeper Groundwater SSSL-c ^b	Groundskeeper Groundwater SSSL-n ^c	Groundskeeper Cancer COPC? ^d	Groundskeeper Noncancer COPC? ^e	Groundskeeper ILCR ^f	Groundskeeper HI ^g	MCL ^h
Metals									
Aluminum	3.16E-01	No(1)	NA	1.01E+01					
Barium	1.55E-02	No(1)	NA	7.12E-01					
Cobalt	1.53E-02	No(1)	NA	6.08E-01					
Iron	6.73E-01	No(1)	NA	3.05E+00					
Manganese	6.37E-01	No(2)	NA	4.44E-01					
Pesticides									
4,4'-DDD	1.60E-04	1.60E-04	5.24E-04	NA					
Aldrin	8.00E-05	8.00E-05	1.66E-05	3.03E-04	8.00E-05		4.81E-06		
Dieldrin	1.60E-04	1.60E-04	1.58E-05	4.52E-04	1.60E-04		1.01E-05		
Endosulfan I	3.90E-05	3.90E-05	NA	6.07E-02					
Endosulfan II	2.50E-05	2.50E-05	NA	6.07E-02					
Endrin	2.20E-04	2.20E-04	NA	2.71E-03					2.00E-03
Heptachlor epoxide	3.40E-05	3.40E-05	2.47E-05	1.05E-04	3.40E-05		1.37E-06		2.00E-04
alpha-Chlordane	1.50E-04	1.50E-04	6.62E-04	4.14E-03					2.00E-03
beta-BHC	6.90E-05	6.90E-05	1.48E-04	NA					
delta-BHC	3.00E-05	3.00E-05	NA	2.73E-03					
gamma-BHC (Lindane)	3.80E-05	3.80E-05	2.08E-04	2.90E-03					2.00E-04
gamma-Chlordane	8.10E-05	8.10E-05	6.62E-04	4.14E-03					2.00E-03
Nitroaromatics									
2-Nitrotoluene	2.10E-03	2.10E-03	NA	9.69E-02					
4-Amino-2,6-dinitrotoluene	1.10E-03	1.10E-03	NA	6.09E-04		1.10E-03		1.81E-01	
Total ILCR, HI							1.63E-05	1.81E-01	

All concentrations expressed as mg/L.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index; MCL = maximum contaminant level (presented only for site-related chemicals); NA = Not available.

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

No(1) = Deselected as a site-related chemical at Tier 1.

No(2) = Deselected as a site-related chemical at Tier 2.

No(3) = Deselected as a site-related chemical at Tier 3.

^b Site-specific screening level based on cancer risk for residential exposure to groundwater.

^c Site-specific screening level based on noncancer hazard for residential exposure to groundwater.

^d MDC presented only if it exceeds SSSL-c.

^e MDC presented only if it exceeds SSSL-n.

^f Incremental lifetime cancer risk for resident exposed to chemical in groundwater.

^g Hazard index for noncancer effects for resident exposed to chemical in groundwater.

^h EPA, 2002, 2002 Edition of the Drinking Water Standards and Health Advisories, Office of Water, Washington, DC, EPA 822-R-02-038, Summer.

Table 8

**Preliminary Risk Assessment for the Construction Worker Exposure to Groundwater
Impact Area South of POW Training Facility, Parcels 100(Q) and 101(Q)
Fort McClellan, Calhoun County, Alabama**

Chemical	MDC	Site-Related Chemical? ^a	Construction Worker Groundwater SSSL-c ^a	Construction Worker Groundwater SSSL-n ^b	Construction Worker Cancer COPC? ^d	Construction Worker Noncancer COPC? ^e	Construction Worker ILCR ^f	Construction Worker HI ^g	MCL ^h
Metals									
Aluminum	3.16E-01	No(1)	NA	1.01E+01					
Barium	1.55E-02	No(1)	NA	7.12E-01					
Cobalt	1.53E-02	No(1)	NA	6.08E-01					
Iron	6.73E-01	No(1)	NA	3.05E+00					
Manganese	6.37E-01	No(2)	NA	4.44E-01					
Pesticides									
4,4'-DDD	1.60E-04	1.60E-04	1.31E-02	NA					
Aldrin	8.00E-05	8.00E-05	4.15E-04	3.03E-04					
Dieldrin	1.60E-04	1.60E-04	3.95E-04	4.52E-04					
Endosulfan I	3.90E-05	3.90E-05	NA	6.07E-02					
Endosulfan II	2.50E-05	2.50E-05	NA	6.07E-02					
Endrin	2.20E-04	2.20E-04	NA	2.71E-03					2.00E-03
Heptachlor epoxide	3.40E-05	3.40E-05	6.19E-04	1.05E-04					2.00E-04
alpha-Chlordane	1.50E-04	1.50E-04	1.65E-02	4.14E-03					2.00E-03
beta-BHC	6.90E-05	6.90E-05	3.69E-03	NA					
delta-BHC	3.00E-05	3.00E-05	NA	2.73E-03					
gamma-BHC (Lindane)	3.80E-05	3.80E-05	5.20E-03	2.90E-03					2.00E-04
gamma-Chlordane	8.10E-05	8.10E-05	1.65E-02	4.14E-03					2.00E-03
Nitroaromatics									
2-Nitrotoluene	2.10E-03	2.10E-03	NA	9.69E-02					
4-Amino-2,6-dinitrotoluene	1.10E-03	1.10E-03	NA	6.09E-04		1.10E-03		1.81E-01	
Total ILCR, HI							--	1.81E-01	

All concentrations expressed as mg/L.

MDC = Maximum Detected Concentration; COPC = Chemical of Potential Concern; ILCR = Incremental Lifetime Cancer Risk; HI = Hazard Index; MCL = maximum contaminant level (presented only for site-related chemicals); NA = Not available.

^a MDC presented only for site-related chemicals.

No(E) = Deselected as a site-related chemical as a nutritionally required element.

No(1) = Deselected as a site-related chemical at Tier 1.

No(2) = Deselected as a site-related chemical at Tier 2.

No(3) = Deselected as a site-related chemical at Tier 3.

^b Site-specific screening level based on cancer risk for residential exposure to groundwater.

^c Site-specific screening level based on noncancer hazard for residential exposure to groundwater.

^d MDC presented only if it exceeds SSSL-c.

^e MDC presented only if it exceeds SSSL-n.

^f Incremental lifetime cancer risk for resident exposed to chemical in groundwater.

^g Hazard index for noncancer effects for resident exposed to chemical in groundwater.

^h EPA, 2002, 2002 Edition of the Drinking Water Standards and Health Advisories, Office of Water, Washington, DC, EPA 822-R-02-038, Summer.

APPENDIX J

PRELIMINARY ECOLOGICAL RISK ASSESSMENT

Technical Memorandum

**Preliminary Ecological Risk Assessment
For The
Impact Area South Of the POW Training Facility**

**Fort McClellan
Calhoun County, Alabama**

This Technical Memorandum presents the Preliminary Ecological Risk Assessment (PERA) for the Impact Area South of the POW Training Facility at Fort McClellan (FTMC) located in Calhoun County, Alabama. The PERA approach is a shortened version of the Screening-Level Ecological Risk Assessment (SLERA) protocol that has been developed for FTMC as a means to evaluate numerous sites in a uniform and economical way. It is assumed that the reader is familiar with FTMC and the fundamentals of the SLERA protocol presented in the Installation-Wide Work Plan (IT Corporation [IT], 1998). Each step of the PERA is described in the following sections.

Ecological Habitat Description. The Impact Area South of the POW Training Facility (Impact Area) is approximately 3 acres in size and is located near the northern boundary of the FTMC Main Post. The site is topographically flat with a dirt road traversing the site in a southwest-to-northeast direction.

Northwest of the dirt road was formerly cleared and maintained; however, maintenance activities have ceased and pioneer species are colonizing much of the site. Typically, the species most likely to colonize these areas are the “weed” species that tend to be vigorous pioneer plants that grow and spread rapidly. The first of the pioneer species to invade these abandoned areas are the grasses and herbaceous species. These formerly maintained grassy areas are classified as being in an early old field successional state. Over time, shrubs and small trees will follow these grass and herbaceous species. The early old field, successional habitat at the Impact Area is dominated by various grasses and herbs including *Rumex spp.* (dock), *Trifolium spp.* (clover), *Astragalus spp.* (vetch), *Asclepias spp.* (milkweed), *Galium spp.* (bed straw), *Chrysanthemum leucanthemum* (ox-eye daisy), and *Sorghum halepense* (Johnson grass). Other old field herbaceous species occurring at the Impact Area are *Rubus occidentalis* (black raspberry), *Toxicodendron radicans* (poison ivy), *Rubus glabra* (smooth sumac), *Smilax rotundiflora* (green brier), *Lonicera japonica* (Japanese honeysuckle), *Vitis labrusca* (fox grape), and *Rosa multiflora* (multiflora rose). Loblolly pine (*Pinus taeda*) saplings have also begun to encroach into this oldfield, early successional habitat. Longleaf pine (*Pinus palustris*) may also be found in this habitat as relicts of the original woodlands that occurred here.

Typical terrestrial species inhabiting the oldfield early successional habitat include Eastern cottontail (*Sylvilagus floridanus*), whitetail deer (*Odocoileus virginianus*), wild turkey (*Meleagris gallopavo*), shorttail shrew (*Blarina brevicauda* or *Blarina carolinensis*), red fox (*Vulpes vulpes*), white-footed mouse (*Peromyscus leucopus*), American robin (*Turdus migratorius*), and red-tailed hawk (*Buteo jamaicensis*).

There are no water bodies or wetlands associated with the Impact Area; therefore, aquatic habitats are not present at this site.

Media of Interest and Data Selection. The medium of interest at the Impact Area is surface soil. Since there are no wetlands or surface water bodies associated with this site, surface water and sediment exposures are not applicable. Exposures to sub-surface soil and groundwater are unlikely for ecological receptors at this study area. Twenty-two surface soil and depositional soil samples were collected and analyzed for metals, volatile organic compounds (VOC), semivolatile organic compounds (SVOC), pesticides, herbicides, and explosives.

Identification of Constituents of Potential Ecological Concern. In order to determine whether constituents detected in environmental samples collected at the Impact Area have the potential to pose adverse ecological risks, screening-level hazard quotients were developed. The screening-level hazard quotients were developed via a three-step process as follows:

- Comparison to Ecological Screening Values (ESV);
- Identification of essential macro-nutrients; and
- Comparison to naturally-occurring background concentrations.

The ecological screening values (ESV) used in this assessment represent the most conservative values available from various literature sources and have been selected to be protective of the most sensitive ecological assessment endpoints. These ESVs have been developed specifically for FTMC in conjunction with USEPA Region IV and are presented in the *Final Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000). The ESVs used in this assessment are based on no-observed-adverse-effect-levels (NOAEL) when available. If a NOAEL-based ESV was not available for a certain constituent, then the most health-protective value available from the scientific literature was used in this assessment.

Constituents that were detected in surface soil at the Impact Area were evaluated against the ESVs by calculating a screening-level hazard quotient (HQ_{screen}) for each constituent. An HQ_{screen} was calculated by dividing the maximum detected constituent concentration in surface soil by its corresponding ESV as follows:

$$HQ_{screen} = \frac{MDCC}{ESV}$$

Where:

HQ_{screen}	=	screening-level hazard quotient;
$MDCC$	=	maximum detected constituent concentration; and
ESV	=	ecological screening value.

A calculated HQ_{screen} value of one indicated that the MDCC was equal to the chemical's conservative ESV and was interpreted in this assessment as a constituent that does not pose the potential for adverse ecological risk. An HQ_{screen} value less than one indicated that the MDCC was less than the conservative ESV and that the chemical is not likely to pose adverse ecological hazards to most receptors. Conversely, an HQ_{screen} value greater than one indicated that the MDCC was greater than the ESV and that the chemical might pose adverse ecological hazards to one or more receptors.

In order to better understand the potential risks posed by chemical constituents at the Impact Area, a mean hazard quotient was also calculated by comparing the arithmetic mean constituent concentration in surface soil to the corresponding ESV. The calculated screening-level hazard quotients for constituents in surface soil at the Impact Area are presented in Table 1.

The USEPA recognizes several constituents in abiotic media that are necessary to maintain normal function in many organisms. These essential macro-nutrients are iron, magnesium, calcium, potassium, and sodium (USEPA, 1989). Most organisms have mechanisms designed to regulate nutrient fluxes within their systems; therefore, these nutrients are generally only toxic at very high concentrations. Although iron is an essential nutrient and is regulated within many organisms, it may become increasingly bioavailable at lower pH values, thus increasing its potential to elicit adverse affects. Therefore, iron was not evaluated as an essential nutrient in this PERA. Essential macro-nutrients were only considered COPECs if they were present in site samples at concentrations ten times the naturally-occurring background concentration.

The comparison of detected constituent concentrations with naturally occurring constituent concentrations was conducted via a three-tier process outlined in a technical memorandum dated June 24, 2003 (Shaw, 2003). The first tier of the background comparison process was a comparison of the maximum detected constituent concentration to the background threshold value (BTV). A study of the natural geochemical composition associated with FTMC (SAIC, 1998) determined the mean concentrations of 24 metals in surface soil, surface water, sediment, and groundwater samples collected from presumably un-impacted areas. Per agreement with USEPA Region IV, the background threshold value (BTV) for each metal was calculated as two times the mean background concentration for that metal. The BTV for each metal was used to represent the upper boundary of the range of natural background concentrations expected at FTMC, and was used as the basis for evaluating metal concentrations measured in site samples. Site sample metal concentrations less than or equal to the corresponding BTV represent the natural geochemical composition of media at FTMC, and not contamination associated with site activity. Site sample metal concentrations greater than the corresponding BTV require further background assessment.

If maximum constituent concentrations were greater than the BTV, then the second tier of the background comparison was employed. Tier two of the background comparison consists of statistical comparisons of the site data to background data using the Slippage Test and the Wilcoxon Rank Sum (WRS) Test. If the site data failed either the Slippage Test or the WRS Test, then the site data were subjected to a geochemical evaluation (Tier 3) to determine whether concentrations of inorganic compounds are naturally occurring or are elevated due to contamination. The three-tier background comparison process is described in detail in Appendix H of this report.

Thus, the first step in determining screening-level hazard quotients was a comparison of maximum detected constituent concentrations to appropriate ESVs. Constituents with HQ_{screen} values less than one were considered to pose insignificant ecological risk and were eliminated from further consideration. Constituents with HQ_{screen} values greater than one were eliminated from further consideration if they were macro-nutrients. Those constituents that had HQ_{screen} values greater one and were not considered macro-nutrients were then compared to background using the three-tier background screening process. If constituent concentrations were determined to be less than their naturally-occurring background concentrations, then a risk management decision could result in eliminating these constituents from further assessment.

The constituents that exceeded their respective ESVs, are not essential macro-nutrients, and were detected at concentrations that exceeded naturally occurring levels include the following:

- trichloroethene;
- copper; and
- lead.

Additional lines of evidence are sometimes useful in determining whether a certain constituent is in fact site-related and a COPEC. Some of the additional lines of evidence used in the process of identifying COPECs include: 1) frequency of detection, 2) magnitude of the HQ_{screen} value, 3) spatial distribution, 4) alternative ESVs; and 5) association of a chemical with known Army activities. These additional lines-of-evidence were used to further define the COPECs at the Impact Area South of the POW Training Facility.

The Impact Area South of the POW Training Facility (Impact Area) is known to have received rifle and machine gun fire and is contaminated with bullet fragments and the metals contained in bullets. Lead is the contaminant released in greatest quantities, as reflected in the concentrations observed in surface soil. Lead exceeds both the ESV and BTV in surface soil and as such, has been identified as a COPEC. Surface soil samples have also displayed anomalously high concentrations of lead compared to naturally occurring background levels. Also, the pattern of lead contamination has been sufficiently characterized to identify three separate and distinct areas of contamination. It is reasonable to expect that all site-related metals (i.e., bullet-related constituents) would exhibit the same distribution pattern., which may serve as a useful line of evidence to resolve the status of the other metals detected in surface soil.

Copper is also a site-related chemical that is a recognized component of bullets, particularly those with copper jackets. The distribution of copper in relation to lead validates the assertion that the distribution pattern of a chemical may be used to help identify site-related chemicals. There appears to be a clear and direct correlation between copper and lead concentrations. The pattern of copper contamination has been sufficiently characterized to identify three separate and distinct areas of contamination that correspond directly with the areas identified as those with the highest lead concentrations. Copper was detected in 19 samples at concentrations exceeding its BTV. Surface soil samples have also displayed anomalously high concentrations of copper compared to naturally occurring background levels. Therefore, copper was identified as a COPEC in surface soil at the Impact Area.

Trichloroethene was detected in one out of three surface soil samples (IMP-IASPOW-MW02) at the Impact Area at a concentration that slightly exceeded the ESV. The calculated HQ_{screen} value for trichloroethene was 1.9. Trichloroethene was detected in the southwestern portion of the site in an area that did not exhibit elevated concentrations of any other constituent. Because of the isolated nature of the detected trichloroethene in soil and the relatively low detected concentration of trichloroethene in surface soil, it was not considered a COPEC in surface soil at the Impact Area.

Ecological Risk Characterization. Lead and copper were frequently detected in surface soil from the Impact Area at concentrations that exceeded their respective ESVs and naturally

occurring levels. As such, these two constituents have the potential to pose ecological risk. It is important to note that the pattern of lead and copper contamination in surface soil has been sufficiently characterized to identify three separate and distinct areas of contamination at the Impact Area that are consistent with past site usage. The remaining inorganic constituents were determined to be either not site-related or posed insignificant potential for ecological risk.

The VOC trichloroethene was detected in one out of three surface soil samples (IMP-IASPOW-MW02) at a concentration that slightly exceeded its ESV. The calculated HQ_{screen} value for trichloroethene was 1.9. Trichloroethene was detected in the southwestern portion of the site in an area that did not exhibit elevated concentrations of any other constituent. Because of the isolated nature of the detected trichloroethene in soil and the relatively low detected concentration it is unlikely that trichloroethene would pose significant ecological risk in surface soil at the Impact Area.

References

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TABLE 1
CONSTITUENTS OF POTENTIAL ECOLOGICAL CONCERN IN SURFACE SOIL
Impact Area South of the POW Training Facility
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value ^a (mg/kg)	Ecological Screening Value ^b (mg/kg)	Frequency of Detection	Maximum Detected Concentration (mg/kg)	Minimum Detected Concentration (mg/kg)	Mean Detected Concentration (mg/kg)	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent of Potential Ecological Concern
Volatiles :									
2-Butanone	NA	89.6	1 of 3	0.018	0.018	0.012	0.00020	0.00014	1
Acetone	NA	2.5	3 of 3	0.33	0.14	0.22	0.13200	0.08667	1
Methylene chloride	NA	2	2 of 3	0.0055	0.003	0.0050	0.00275	0.00249	1
Tetrachloroethene	NA	0.01	1 of 3	0.0027	0.0012	0.0020	0.27000	0.20333	1
Trichloroethene	NA	0.001	1 of 3	0.0019	0.0019	0.0023	1.90000	2.26667	YES ⁷
Trichlorofluoromethane	NA	0.1	2 of 3	0.0027	0.002	0.0023	0.02700	0.02300	1
Metals :									
Aluminum	16,300	50	22 of 22	32,000	8,440	22,756	640	455.12727	5
Antimony	1.99	3.5	1 of 22	6.20	5.41	5.86	1.771	1.67545	4
Arsenic	13.7	10	22 of 22	16.6	4.78	8.89	1.66	0.88855	5
Barium	124	165	22 of 22	124	30.2	78.98	0.752	0.47868	1,3,5
Beryllium	0.8	1.1	22 of 22	1.57	0.455	0.80	1.427	0.73050	5
Calcium	1,720	NA	22 of 22	1,390	72.7	354.35	ND	ND	2,3
Chromium	37	0.4	22 of 22	37.7	6.6	18.23	94.25	45.57955	5
Cobalt	15.2	20	22 of 22	23.4	4	9.90	1.17	0.49482	5
Copper	12.7	40	22 of 22	200	9.87	43.74	5	1.09338	YES
Iron	34,200	200	22 of 22	45,400	14,400	27,964	227	139.81818	5
Lead	40.1	50	22 of 22	809	14.6	180.42	16.18	3.60836	YES
Magnesium	1,030	440,000	22 of 22	1,420	326	782	0.0032	0.00178	1,2,5
Manganese	1,580	100	22 of 22	3,190	299	1,582	31.9	15.81545	5
Mercury	0.08	0.1	20 of 22	0.112	0.0333	0.06	1.12	0.58986	4,5
Nickel	10.3	30	22 of 22	18.2	6.42	12.21	0.607	0.40712	1,5
Potassium	800	NA	22 of 22	1,110	433	742.05	ND	ND	2,5
Selenium	0.48	0.81	13 of 22	2.08	0.627	0.71	2.568	0.88053	5
Silver	0.36	2	4 of 22	2.13	1.74	1.31	1.065	0.65420	5
Sodium	634	NA	20 of 22	68.2	23.6	56.34	ND	ND	2,3
Vanadium	58.8	2	22 of 22	52.9	16	38.60	26.45	19.30227	3
Zinc	40.6	50	22 of 22	55.4	17.4	35.83	1.108	0.71664	5
Herbicides :									
4,4'-DDT	NA	0.0025	1 of 3	0.00235	0.00089	0.0018	0.94	0.73867	1

TABLE 1
CONSTITUENTS OF POTENTIAL ECOLOGICAL CONCERN IN SURFACE SOIL
Impact Area South of the POW Training Facility
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value ^a (mg/kg)	Ecological Screening Value ^b (mg/kg)	Frequency of Detection	Maximum Detected Concentration (mg/kg)	Minimum Detected Concentration (mg/kg)	Mean Detected Concentration (mg/kg)	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent of Potential Ecological Concern

^a Background threshold value is two times (2x) the arithmetic mean of background metals (SAIC, 1998). For SVOCs, the BTV is the background screening value for soils adjacent to asphalt as given in IT Corporation (IT), 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

^b Ecological Screening Values (ESV) are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not available. ND - Not determined.

Rationale for inclusion / exclusion as a COPEC:

- 1 - Maximum detected concentration is less than ESV
- 2 - Essential macro-nutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentrations).
- 3 - Maximum detected concentration is less than the background threshold value (BTV).
- 4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
- 5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
- 6 - No ESV available; however, maximum detected concentration of this constituent is less than ESV for similar compounds.
- 7 - Additional lines of evidence indicate that this constituent may not be a COPEC (see text).