

APPENDIX H.
Chain-of-Custody Records



Science Applications
International Corporation

Chain of Custody Record

COC No.: RVAAP-SCF-001

Page 1 of 1

Date: 02/05/2009

Name: Science Applications International Corporation
Address: 8866 Commons Blvd, Twinsburg, OH 44087
Phone Number: (330) 405-5822
Project Manager: Amanda Trenton
Project Name: Sharon Conglomerate Formation Well Installation
Job/P.O. #: RVAAP SC 06-8199-04-9351-200
Sampler (Signature) _____ (Printed Name) *APC*

Requested Parameters

Laboratory No.	Field Sample #	Location ID	Depth	Date	Time	Matbr.	Requested Parameters																	No. of Containers		
							W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W			
	SCFqc-001-0001-FB	FRONTZ	NA	02/05/2009		W	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	20		
	SCFqc-001-0002-TB	NA	NA	02/05/2009		W	2																	2		
<i>6 SDL</i>																										

Laboratory Name: TestAmerica Inc.
Address: 4101 Shuffel Street NW
North Canton, OH 44720
Phone: 330-497-9396
Fax: 330-497-0772
Contact: Mark Loeb

OBSERVATIONS, COMMENTS
SPECIAL INSTRUCTIONS

9:45 AM 2/6/09

Relinquished by
[Signature]
Signature: *Stephen R. Wright*
Printed Name: Stephen R. Wright
Company: Featz Drilling Inc.

Date: *02/05/09*
Time: *12:15 PM*
Received by
[Signature]
Signature: *Ann Maddux*
Printed Name: *Ann Maddux*
Company: *TA/NC*

Date: *2/5/09*
Time: *12:15 PM*
Subtotal Number of Containers: 22

Notes:
A. Cool 4°C
B. HCl to pH<2, Cool 4°C
C. HNO3 to pH<2
D. NaOH to pH>12, Cool 4°C
E. H2SO4 to pH<2, Cool 4°C
F. ZnAc/NaOH to pH>9, Cool 4°C

Methods:
1.) SW 846 8260B
2.) SW 848 8270C
3.) SW 846 8081
4.) SW 846 8082
5.) SW 846 8330
6.) SW 846 8010B/7000
7.) SW 846 8860
8.) EPA 353.2
9.) SW 846 8010
10.) EPA 300/340.2 (FI-)
11.) EPA 365.1/350.2
12.) EPA 376.2
13.) EPA 310.1

VOC = volatile organic compound
SVOC = semi-volatile organic compound
PCB = polychlorinated biphenyl
w=water

Shipment Method: FedEx
Priority Overnight

Attrib No.:

Contact: Amanda Trenton
(330) 405-5822 cell (614) 330-9857

SAIC Location
Twinsburg
8866 Commons Blvd.
Twinsburg, Ohio 44087
(330) 405-9810



Laboratory Chain of Custody Record

Name: Science Applications International Corporation Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087 Phone Number: (614) 439-1812 Project Manager: Paul Parrish Project Name: Deep Bedrock Well Installation Sharon Conglomerate Job/P.O. #: 06-6199-04-9351-200							Requested Parameters														Laboratory: TestAmerica Inc. Address: 4101 Shuffel Street NW Canton, Ohio 44720 POC: Mark Loeb Phone: (330) 497-9396 Fax: (330) 497-0772					
Sampler (Signature) <i>Amanda Trenton</i>		Printed Name AMANDA TRENTON																				No. of Containers				
Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix	☒ VOC A1	☒ SVOC D2	☒ Pesticides D3	☒ PCBs D4	☒ Explosives D5	☒ Propellants D6	☒ Metals (TAL) C7	☒ Nitrate-Nitrite F8	☒ Cyanide B9	☒ TCLP VOC D10	☒ TCLP SVOC D11	☒ TCLP Pesticides D12	☒ TCLP Herbicides D13	☒ TCLP Metals D14	☒ Sulfide D17		☒ Ignitability E15	☒ Corrosivity E16	No. of Containers	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS
SCFmw-005	SCFmw-005-0003-GW	MW	NA	03/16/09	1823	WA							1												1	
FRAC Tank 1	SCFww-001-0004-WW	IDW	NA	03/27/09	1140	WA	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	19	Rush Analysis - 14 Day TAT
FRAC Tank 2	SCFww-002-0005-WW	IDW	NA	03/27/09	1300	WA	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	19	Rush Analysis - 14 Day TAT
FRAC Tank 3	SCFww-003-0006-WW	IDW	NA	03/27/09	1920	WA	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	19	Rush Analysis - 14 Day TAT
Trip Blank	SCFqc-002-0007-TB	QC	NA	03/27/09	1000	WA	2																	2		
<div style="border: 1px solid black; padding: 5px;"> <p>Relinquished by <i>Amanda Trenton</i> Signature</p> <p>Date: 03/28/09</p> <p>Time: 1021</p> <p>Company: SAIC</p> </div>							<div style="border: 1px solid black; padding: 5px;"> <p>Received by <i>MA FERRE</i> Signature</p> <p>Date:</p> <p>Time:</p> <p>Company: TEST AMERICA</p> </div>														Total Number of Containers (this page): 60 Total # of coolers: 6 Hand Delivery Notes: SAIC Location - Twinsburg 8866 Commons Blvd. Suite 201 Twinsburg, OH 44087 (330) 405-9810					
<div style="border: 1px solid black; padding: 5px;"> <p>Relinquished by</p> <p>Signature</p> <p>Printed Name</p> <p>Company</p> </div>							<div style="border: 1px solid black; padding: 5px;"> <p>Received by</p> <p>Signature</p> <p>Printed Name</p> <p>Company</p> </div>																			



Laboratory Chain of Custody Record

Name: Science Applications International Corporation
Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
Phone Number: (614) 439-1812
Project Manager: Paul Parrish
Project Name: Deep Bedrock Well Installation Sharon Conglomerate
Job/P.O. #: 06-6199-04-9351-200

Sampler (Signature) *Amanda Trenton* (Printed Name) **AMANDA TRENTON**

Requested Parameters													No. of Containers			
VOC D1	SVOC D2	Pesticides D3	PCBs D4	Cyanide D5	Metals (TAL) D7	Nitrate-Nitrite D8	Explosives D9	Propellants D6	TCLP VOC D10	TCLP SVOC D11	TCLP Pesticides D12	TCLP Herbicides D13		TCLP Metals D14	Ignitability E15	Corrosivity E16

Laboratory: TestAmerica Inc.
Address: 4101 Shuffel Street NW
Canton, Ohio 44720
POC: Mark Loeb
Phone: (330) 497-9396
Fax: (330) 497-0772

Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix	VOC D1	SVOC D2	Pesticides D3	PCBs D4	Cyanide D5	Metals (TAL) D7	Nitrate-Nitrite D8	Explosives D9	Propellants D6	TCLP VOC D10	TCLP SVOC D11	TCLP Pesticides D12	TCLP Herbicides D13	TCLP Metals D14	Ignitability E15	Corrosivity E16	Sulfide D17	No. of Containers
SCFmw-001	SCFmw-001-0008-WS	IDW	NA	03/27/09	1005	SO	1		1					1	1				2					6
SCFmw-002	SCFmw-002-0009-WS	IDW	NA	03/27/09	1457	SO	1		1					1	1				2					6
SCFmw-003	SCFmw-003-0010-WS	IDW	NA	03/27/09	1840	SO	1		1					1	1				2					6
SCFmw-004	SCFmw-004-0011-WS	IDW	NA	03/27/09	1745	SO	1		1					1	1				2					6
SCFmw-004	SCFmw-004-0012-WS	IDW	NA	03/27/09	1813	SO	1		1					1	1				2					6
SCFmw-005	SCFmw-005-0013-WS	IDW	NA	03/27/09	1705	SO	1		1					1	1				2					6
SCFmw-006	SCFmw-006-0014-WS	IDW	NA	03/27/09	1600	SO	1		1					1	1				2					6

OBSERVATIONS, COMMENTS
SPECIAL INSTRUCTIONS

Relinquished by *Amanda Trenton*
Signature
Amanda Trenton
Printed Name
SAIC
Company

Date: 03/28/09
Time: 1021

Received by *Mark*
Signature
28 MAR 2009 1021
Printed Name
MA FERREL
Company: **TEST AMERICA**

Date
Time

Total Number of Containers (this page): 42
Preservatives:
A. HCl pH < 2 Cool 4°C C. HNO₃ pH < 2 Cool 4°C E. None
B. NaOH Cool 4°C D. Cool 4°C F. H₂SO₄ pH < 2 Cool 4°C
Methods:
1. SW-846 8260B 10. TCLP VOCs
2. SW-846 8270C 11. TCLP SVOCs
3. SW-846 8081A 12. TCLP Pesticides
4. SW-846 8082 13. TCLP Herbicides
5. SW-846 8330 14. TCLP Metals
6. SW-846 8330 Mod 15. SW-846 1020
7. SW-846 6010B/6020/7470A 16. SW-846 1030
8. EPA 353.2 17. EPA 376.2
9. SW-846 9012A

Total # of coolers: 6
Hand Delivery

Notes:

Relinquished by
Signature
Printed Name
Company

Date
Time

Received by
Signature
Printed Name
Company

Date
Time

Reporting Directions:

SAIC Location - Twinsburg
8866 Commons Blvd, Suite 201
Twinsburg, OH 44087
(330) 405-9810

Laboratory Chain of Custody Record

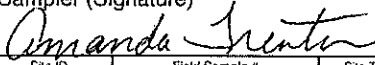
COC No.: RVAAP-SCF-003

Page 1 of 1

Date: 4/25/2009

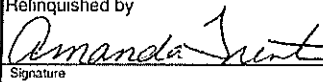


Name: Science Applications International Corporation
 Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
 Phone Number: (614) 439-1812
 Project Manager: Paul Parrish
 Project Name: Deep Bedrock Well Installation Sharon Conglomerate
 Job/P.O. #: 06-6199-04-9351-204

Sampler (Signature)  (Printed Name)
 Amanda Trenton

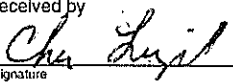
Requested Parameters

Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	Requested Parameters														
																																										VOC A1	No. of Containers													
SCFmw-001	SCFmw-001-0015-GW	MW	NA	04/24/09	1000	WA	3	2	2	2	2	2	1	1	1	1	1																															15								
SCFmw-002	SCFmw-002-0016-GW	MW	NA	04/21/09	1500	WA	3	2	2	2	2	2	1	1	1	1	1																																			15				
SCFmw-003	SCFmw-003-0017-GW	MW	NA	04/23/09	1725	WA	3	2	2	2	2	2	1	1	1	1	1																																				15			
SCFmw-004	SCFmw-004-0018-GW	MW	NA	04/22/09	1240	WA	3	2	2	2	2	2	1	1	1	1	1																																					15		
SCFmw-005	SCFmw-005-0019-GW	MW	NA	04/23/09	940	WA	3	2	2	2	2	2	1	1	1	1	1																																					15		
SCFmw-006	SCFmw-006-0020-GW	MW	NA	04/23/09	1315	WA	9	6	6	6	6	6	3	3	3	3	3																																				45	MS&MSD		
Trip Blank	SCFqc-003-0021-TB	QC	NA	04/21/09	1500	WA	2																																													2				
Rinsate	SCFqc-004-0023-ER	QC	NA	04/23/09	725	WA	3	2	2	2	2	2	1	1	1	1	1																																						15	Rinsate associated with SCFmw-005-0019-GW
SCFmw-002	SCFmw-002-0025-GW	MW	NA	04/21/09	1500	WA	3	2	2	2	2	2	1	1	1	1	1																																						15	

Relinquished by

 Signature
Amanda Trenton
 Printed Name
SAIC
 Company

Date: 04/25/09

Time: 10:07

Received by

 Signature
 Printed Name
 Company

Date: 4-25-09

Time: 10:07

Total Number of Containers (this page): 152

Preservatives:
 A. HCl pH < 2 Cool 4°C C. HNO₃ pH < 2 Cool 4°C E. None
 B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H₂SO₄ pH < 2 Cool 4°C

Methods:
 1. SW-846 8260B 10. TCLP VOCs
 2. SW-846 8270C 11. TCLP SVOCs
 3. SW-846 8081A 12. TCLP Pesticides
 4. SW-846 8082 13. TCLP Herbicides
 5. SW-846 8330 14. TCLP Metals
 6. SW-846 8330 Mod 15. SW-846 1020
 7. SW-846 6010B/6020/7470A 16. SW-846 1030
 8. EPA 353.2 17. EPA 376.2
 9. SW-846 9012A

Reporting Directions:

Total # of coolers: Hand Delivery

Notes:

SAIC Location - Twinsburg
 8866 Commons Blvd. Suite 201
 Twinsburg, OH 44087
 (330) 405-9810



Laboratory Chain of Custody Record

COC No.: RVAAP-SCF-004
Date: 4/22/2009

Name: Science Applications International Corporation
Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
Phone Number: (614) 439-1812
Project Manager: Paul Parrish
Project Name: Deep Bedrock Well Installation Sharon Conglomerate
Job/P.O. #: 06-6199-04-9351-204

Sampler (Signature) *Amanda Trenton* (Printed Name) Amanda Trenton

Laboratory: RTI Laboratory
Address: 31628 Glendale Street
Livonia, Michigan 48150
POC: Kathy Gronda
Phone: (734) 422-8000 ext 213
Fax:

							Requested Parameters														No. of Containers				
Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix	VOC A1	SVOC D2	Pesticides D3	PCBs D4	Explosives D5	Propellants D6	Metals (TAL) C7	Nitrate-Nitrite D8	Cyanide B9	TCLP VOC D10	TCLP SVOC D11	TCLP Pesticides D12	TCLP Herbicides D13	TCLP Metals D14		Sulfide D17	Ignitability E15	Corrosivity E16	
SCFmw-004	SCFmw-004-0024-GW	MW	NA	04/22/09	1240	WA	4	1	1	1	1	1	1	1	1										11
Trip Blank	SCFqc-003-0022-TB	QC	NA	04/22/09	1240	WA	1																		1

OBSERVATIONS, COMMENTS
SPECIAL INSTRUCTIONS

Billed To USACE :Louisville District
Ravenna Army Ammunition Plant

Total Number of Containers (this page): 12

Total # of coolers: 1
FedEx airbill #(s): 7975 3124 4890

Notes:

Relinquished by *Amanda Trenton* Date 04/22/09

Signature *Amanda Trenton*
Printed Name Amanda Trenton
Company SAIC

Received by _____ Date _____

Signature _____
Printed Name _____
Company _____

Relinquished by _____ Date _____

Signature _____
Printed Name _____
Company _____

Received by _____ Date _____

Signature _____
Printed Name _____
Company _____

- Preservatives:
A. HCl pH < 2 Cool 4°C C. HNO₃ pH < 2 Cool 4°C E None
B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H₂SO₄ pH < 2 Cool 4°C
- Methods:
- | | |
|----------------------------|---------------------|
| 1. SW-846 8260B | 10. TCLP VOCs |
| 2. SW-846 8270C | 11. TCLP SVOCs |
| 3. SW-846 8081A | 12. TCLP Pesticides |
| 4. SW-846 8082 | 13. TCLP Herbicides |
| 5. SW-846 8330 | 14. TCLP Metals |
| 6. SW-846 8330 Mod | 15. SW-846 1020 |
| 7. SW-846 6010B/6020/7470A | 16. SW-846 1030 |
| 8. EPA 353.2 | 17. EPA 376.2 |
| 9. SW-846 9012A | |

Reporting Directions:

FINAL



Laboratory Chain of Custody Record

Name: Science Applications International Corporation
 Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
 Phone Number: (614) 439-1812
 Project Manager: Paul Parrish
 Project Name: Deep Bedrock Well Installation Sharon Conglomerate
 Job/P.O. #: 06-6199-04-9351-204

Sampler (Signature) *Amanda Trenton* (Printed Name) Amanda Trenton

Requested Parameters							No. of Containers
W VOC A1	W SVOC D2	W Pesticides D3	W PCBs P4	W Explosives D5	W Propellants D6	W Metals (TAL) G7	
3	2	2	2	2	1	1	14
						1	1
							1
9	6	6	6	6	3	3	42
						3	3
							3
3	2	2	2	2	1	1	14
						1	1
3	2	2	2	2	1	1	14
						1	1
							1
2							2

Laboratory: TestAmerica Inc.
 Address: 4101 Shuffel Street NW
 North Canton, Ohio 44720
 POC: Mark Loeb
 Phone: (330) 497-9396
 Fax: (330) 497-0772

OBSERVATIONS, COMMENTS
 SPECIAL INSTRUCTIONS

Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix
SCFmw-001	SCFmw-001-0026-GW	MW	NA	07/14/09	1445	WA
SCFmw-001	SCFmw-001-0026-GF	MW	NA	07/14/09	1445	WA
SCFmw-001	SCFmw-001-0027-GF	MW	NA	07/14/09	1445	WA
SCFmw-004	SCFmw-004-0032-GW	MW	NA	07/15/09	1545	WA
SCFmw-004	SCFmw-004-0032-GF	MW	NA	07/15/09	1545	WA
SCFmw-004	SCFmw-004-0033-GF	MW	NA	07/15/09	1545	WA
SCFmw-008	SCFmw-008-0036-GW	MW	NA	07/15/09	1210	WA
SCFmw-008	SCFmw-008-0036-GF	MW	NA	07/15/09	1210	WA
SCFmw-008	SCFmw-008-0037-GF	MW	NA	07/15/09	1210	WA
SCFmw-008	SCFmw-008-0040-GW	MW	NA	07/15/09	1210	WA
SCFmw-008	SCFmw-008-0040-GF	MW	NA	07/15/09	1210	WA
SCFmw-008	SCFmw-008-0041-GF	MW	NA	07/15/09	1210	WA
Trip Blank	SCFqc-005-0038-TB	QC	NA	07/14/09	1440	WA

Relinquished by *Amanda Trenton* Date 07/15/09 Received by *R. Parrish* Date 7/15/09

Signature *Amanda Trenton* Time 1810 Printed Name Amanda Trenton Company SAIC

Relinquished by Signature Printed Name Company

Received by Signature Printed Name Company

Received by Signature Printed Name Company

Received by Signature Printed Name Company

Received by Signature Printed Name Company

Received by Signature Printed Name Company

Received by Signature Printed Name Company

Total Number of Containers (this page): 98
 Preservatives:
 A. HCl pH < 2 Cool 4°C C. HNO₃ pH < 2 Cool 4°C E. None
 B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H₂SO₄ pH < 2 Cool 4°C

Methods:
 1. SW-846 8260B 10. TCLP VOCs
 2. SW-846 8270C 11. TCLP SVOCs
 3. SW-846 8091A 12. TCLP Pesticides
 4. SW-846 8082 13. TCLP Herbicides
 5. SW-846 8330 14. TCLP Metals
 6. SW-846 8330 Mod 15. SW-846 1020
 7. SW-846 8010B/6020/7470A 16. SW-846 1030
 8. EPA 353.2 17. EPA 375.2
 9. SW-846 8012A 18. SW-846 6860

Reporting Directions:

Notes:

Total # of coolers:
 Hand Delivery/TestAmerica Courier

SAIC Location - Twinsburg
 8866 Commons Blvd, Suite 201
 Twinsburg, OH 44087
 (330) 405-9810

White: Laboratory Yellow: Project Manager



Laboratory Chain of Custody Record

COC No.: RVAAP-SCF-006

Page 1 of 1

Date: 07/15/09

Name: Science Applications International Corporation Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087 Phone Number: (614) 439-1812 Project Manager: Paul Parrish Project Name: Deep Bedrock Well Installation Sharon Conglomerate Job/P.O. #: 06-6199-04-9351-204							Requested Parameters														Laboratory: RTI Laboratory Address: 31628 Glendale Street Livonia, Michigan 48150 POC: Kathy Gronda Phone: (734) 422-8000 ext 213 Fax:
Sampler (Signature) <i>Amanda Trenton</i>			(Printed Name) Amanda Trenton				<input checked="" type="checkbox"/> VOC A1	<input checked="" type="checkbox"/> SVOC D2	<input checked="" type="checkbox"/> Pesticides D3	<input checked="" type="checkbox"/> PCBs D4	<input checked="" type="checkbox"/> Explosives D5	<input checked="" type="checkbox"/> Propellants D6	<input checked="" type="checkbox"/> Metals (TAL) C7	<input checked="" type="checkbox"/> Nitrate-Nitrite D8	<input checked="" type="checkbox"/> Cyanide B9	<input checked="" type="checkbox"/> Perchlorate D18	No. of Containers	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS			
Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix															
SCFmw-004	SCFmw-004-0042-GW	MW	NA	07/15/09	12:10	WA	4	1	1	1	1	1	1	1	1			12	Billed To USACE :Louisville District Ravenna Army Ammunition Plant		
Trip Blank	SCFqc-007-0043-TB	QC	NA	07/15/09	12:05	WA	1											1			
Relinquished by <i>Amanda Trenton</i> Signature Amanda Trenton Printed Name SAIC Company							Date 07/15/09 Time 1900	Received by Signature Printed Name Company				Date Time	Total Number of Containers (this page): 13 Preservatives: A. HCl pH < 2 Cool 4°C C. HNO3 pH < 2 Cool 4°C E. None B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H2SO4 pH < 2 Cool 4°C Methods: 1. SW-846 8260B 10. TCLP VOCs 2. SW-846 8270C 11. TCLP SVOCs 3. SW-846 8081A 12. TCLP Pesticides 4. SW-846 8082 13. TCLP Herbicides 5. SW-846 8330 14. TCLP Metals 6. SW-846 8330 Mod 15. SW-846 1020 7. SW-846 6010B/6020/7470A 16. SW-846 1030 8. EPA 353.2 17. EPA 376.2 9. SW-846 9012A 18. SW-846 8860 Reporting Directions:					Total # of coolers: 1 FedEx airbill #(s): 7967 6965 1494 Notes: SAIC Location - Twinsburg 8866 Commons Blvd. Suite 201 Twinsburg, OH 44087 (330) 405-9810			
Relinquished by Signature Printed Name Company							Date Time	Received by Signature Printed Name Company				Date Time									

UPDATED 07/17/09
Laboratory Chain of Custody Record



COC No.: RVAAP-SCF-006

Page 1 of 1

Date: 7/15/09

Name: Science Applications International Corporation Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087 Phone Number: (614) 439-1812 Project Manager: Paul Parrish Project Name: Deep Bedrock Well Installation Sharon Conglomerate Job/P.O. #: 06-6199-04-9351-204							Requested Parameters											No. of Containers	Laboratory: RTI Laboratory Address: 31628 Glendale Street Livonia, Michigan 48150 POC: Kathy Gronda Phone: (734) 422-8000 ext 213 Fax:											
Sampler (Signature) (Printed Name) Amanda Trenton							VOC A1	SVOC D2	Pesticides D3	PCBs D4	Explosives D5	Propellants D6	Metals (TAL) C7	Nitrate-Nitrite D8	Cyanide D9	Perchlorate D10													OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS	
Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix	W	W	W	W	W	W	W	W	W	W	W		W	W	W	W	W	W	W	TAL Metals & Perchlorate were field filtered				
SCFmw-006	SCFmw-006-0042-GW	MW	NA	07/15/09	1210	WA	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12					
Trip Blank	SCFqc-007-0043-TB	QC	NA	07/15/09	1205	WA	1																		1					
 																														
Reinquished by							Received by							Total Number of Containers (this page): 13							Total # of coolers: 1 FedEx airbill #(s): 7967 6965 1494									
Signature							Signature							Preservatives: A. HCl pH < 2 Cool 4°C C. HNO ₃ pH < 2 Cool 4°C E. None B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H ₂ SO ₄ pH < 2 Cool 4°C Methods: 1. SW-846 8260B 10. TCLP VOCs 2. SW-846 8270C 11. TCLP SVOCs 3. SW-846 8081A 12. TCLP Pesticides 4. SW-846 8082 13. TCLP Herbicides 5. SW-846 8330 14. TCLP Metals 6. SW-846 8330 Mod 15. SW-846 1020 7. SW-846 6010B/6020/7470A 16. SW-846 1030 8. EPA 353.2 17. EPA 376.2 9. SW-846 9012A 18. SW-846 6660							Notes:									
Amanda Trenton																									Reporting Directions: SAIC Location - Twinsburg 8866 Commons Blvd, Suite 201 Twinsburg, OH 44087 (330) 405-9810					
Printed Name																														
SAIC																														
Company																														
Reinquished by							Received by																							
Signature							Signature																							
Printed Name																														
Company																														



Laboratory Chain of Custody Record

COC No.: RVAAP-SCF-007

Date: 7/17/2009

Name: Science Applications International Corporation
 Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
 Phone Number: (614) 439-1812
 Project Manager: Paul Parrish
 Project Name: Deep Bedrock Well Installation Sharon Conglomerate
 Job/P.O. #: 06-6199-04-9351-204

Sampler (Signature) *[Signature]* (Printed Name)
 Paul Parrish

Requested Parameters												No. of Containers
VOC A1	SVOC D2	Pesticides D3	PCBS D4	Explosives D5	Propellants D6	Metals (TAL) C7	Nitrate-Nitrite F8	Cyanide E9	Perchlorate D10			
3	2	2	2	2	1		1	1				14
						1						1
									1			1
3	2	2	2	2	1		1	1				14
						1						1
									1			1
3	2	2	2	2	1		1	1				14
						1						1
									1			1
3	2	2	2	2	1	1	1	1	1			16
2												2
	2	2	2	2	1		1	1				11
						1						1
									1			1

Laboratory: TestAmerica Inc.
 Address: 4101 Shuffel Street NW
 North Canton, Ohio 44720
 POC: Mark Loeb
 Phone: (330) 497-9396
 Fax: (330) 497-0772

OBSERVATIONS, COMMENTS
 SPECIAL INSTRUCTIONS

Relinquished by *[Signature]*
 Signature
 Paul Parrish
 Printed Name
 SAIC
 Company

Date: 07/17/09
 Received by *[Signature]*
 Signature
 Printed Name
 Company

Date: 7/17/09
 Total Number of Containers (this page): 79
 Preservatives:
 A. HCl pH < 2 Cool 4°C C. HNO3 pH < 2 Cool 4°C E. None
 B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H2SO4 pH < 2 Cool 4°C
 Methods:
 1. SW-846 8260B 10. TCLP VOCs
 2. SW-846 8270C 11. TCLP SVOCs
 3. SW-846 8081A 12. TCLP Pesticides
 4. SW-846 8082 13. TCLP Herbicides
 5. SW-846 6330 14. TCLP Metals
 6. SW-846 6330 Mod 15. SW-846 1020
 7. SW-846 6010B/6020/7470A 16. SW-846 1030
 8. EPA 353.2 17. EPA 376.2
 9. SW-846 9012A 18. SW-846 6880
 Reporting Directions:

Total # of coolers:
 Lab Courier Pickup

Notes:
 SAIC Location - Twinsburg
 8866 Commons Blvd. Suite 201
 Twinsburg, OH 44087
 (330) 405-9810



Laboratory Chain of Custody Record

Name: Science Applications International Corporation
 Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
 Phone Number: (614) 330-9857
 Project Manager: Amanda Trenton
 Project Name: Deep Bedrock Well Installation Sharon Conglomerate
 Job/P.O. #: 06-6199-04-9351-204

Sampler (Signature) *Amanda Trenton* (Printed Name) Amanda Trenton

							Requested Parameters										No. of Containers
Site ID	Field Sample #	Site Type	Depth (ft bloc)	Date	Time	Matrix	VOC A1	SVOC D2	Pesticides D3	PCBs D4	Explosives D5	Propellants D6	Metals (TAL) D7	Nitrato-Nitrite F8	Cyanide D9		
Trip Blank	SCFqc-009-0045-TB	QC	NA	10/12/09	1220	WA	2										2
SCFmw-006	SCFmw-006-0051-GW	MW	83	10/12/09	1225	WA	9	6	6	6	6	3	3	3	3		45
SCFmw-006	SCFmw-006-0051-GF	MW	83	10/12/09	1225	WA							3				3
SCFmw-001	SCFmw-001-0046-GW	MW	208	10/12/09	1630	WA	3	1	1	1	1	1	1	1	1		11
SCFmw-001	SCFmw-001-0046-GF	MW	208	10/12/09	1630	WA							1				1
Rinsate	SCFqc-011-0055-ER	QC	NA	10/13/09	730	WA	3	2	2	2	2	1	1	1	1		15

Laboratory: TestAmerica Inc.
 Address: 4101 Shuffel Street NW
 North Canton, Ohio 44720
 POC: Mark Loeb
 Phone: (330) 497-9396
 Fax: (330) 497-0772

OBSERVATIONS, COMMENTS
 SPECIAL INSTRUCTIONS

Relinquished by *Amanda Trenton*
 Signature

Date
 10/13/09

Received by *Lance Hershman*
 Signature

Date
 10-13-09

Amanda Trenton
 Printed Name

Time
 10:00

LANCE HERSHMAN
 Printed Name

SAIC
 Company

TA N. CANTON
 Company

Relinquished by
 Signature

Date

Received by
 Signature

Date

Printed Name

Time

Printed Name

Company

Company

Total Number of Containers (this page): 77

Preservatives:
 A. HCl pH < 2 Cool 4°C C. HNO₃ pH < 2 Cool 4°C E. None
 B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H₂SO₄ pH < 2 Cool 4°C

- Methods:
- | | |
|----------------------------|---------------------|
| 1. SW-846 8260B | 10. TCLP VOCs |
| 2. SW-846 8270C | 11. TCLP SVOCs |
| 3. SW-846 8081A | 12. TCLP Pesticides |
| 4. SW-846 8082 | 13. TCLP Herbicides |
| 5. SW-846 8330 | 14. TCLP Metals |
| 6. SW-848 8330 Mod | 15. SW-846 1020 |
| 7. SW-846 6010B/6020/7470A | 16. SW-846 1030 |
| 8. EPA 353.2 | 17. EPA 376.2 |
| 9. SW-846 9012A | |

Reporting Directions:

Total # of coolers: 5
 Lab Courier Pickup

Notes:

SAIC Location - Twinsburg
 8866 Commons Blvd, Suite 201
 Twinsburg, OH 44087
 (330) 405-9810



Laboratory Chain of Custody Record

Name: Science Applications International Corporation
 Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
 Phone Number: (614) 330-9857
 Project Manager: Amanda Trenton
 Project Name: Deep Bedrock Well Installation Sharon Conglomerate
 Job/P.O. #: 06-6199-04-9351-204

Sampler (Signature) *Amanda Trenton* (Printed Name) Amanda Trenton

							Requested Parameters														No. of Containers				
Site ID	Field Sample #	Site Type	Depth (ft bloc)	Date	Time	Matrix	VOC A1	SVOC D2	Pesticides D3	PCBs D4	Explosives D5	Propellants D6	Metals (TAL) D7	Nitrate-Nitrite F1	Cyanide D8	TCLP VOC D10	TCLP SVOC D11	TCLP Pesticides D12	TCLP Herbicides D13	TCLP Metals (+Hg) D14		Sulfide D17	Ignitability E15	Corrosivity E16	
Trip Blank	SCF-qc-010-0054-TB	QC	NA	10/13/09	1200	WA	2																		2
SCFmw-005	SCFmw-005-0050-GW	MW	151	10/13/09	1420	WA	3	2	2	2	2	1	1	1	1										15
SCFmw-005	SCFmw-005-0050-GF	MW	151	10/13/09	1420	WA							1												1
SCFmw-005	SCFmw-005-0052-GW	MW	151	10/13/09	1420	WA	3	2	2	2	2	1	1	1	1										15
SCFmw-005	SCFmw-005-0052-GF	MW	151	10/13/09	1420	WA							1												1
SCFmw-003	SCFmw-003-0048-GW	MW	134	10/13/09	1835	WA	3	2	2	2	2	1	1	1	1										15
SCFmw-003	SCFmw-003-0048-GF	MW	134	10/13/09	1835	WA							1												1
SCFmw-004	SCFmw-004-0049-GW	MW	107	10/14/09	1025	WA	3	2	2	2	2	1	1	1	1										15
SCFmw-004	SCFmw-004-0049-GF	MW	107	10/14/09	1025	WA							1												1
SCFmw-002	SCFmw-002-0047-GW	MW	143	10/14/09	1705	WA	3	2	2	2	2	1	1	1	1										15
SCFmw-002	SCFmw-002-0047-GF	MW	143	10/14/09	1705	WA							1												1
IDW	SCFmw-004-0054-WW	IDW	NA	10/15/09	1030	WA										1	1	1	1	1	1	1	1	1	4

Laboratory: TestAmerica Inc.
 Address: 4101 Shuffel Street NW
 North Canton, Ohio 44720
 POC: Mark Loeb
 Phone: (330) 497-9396
 Fax: (330) 497-0772

OBSERVATIONS, COMMENTS
 SPECIAL INSTRUCTIONS

Relinquished by
Amanda Trenton
 Signature
 Amanda Trenton
 Printed Name
 SAIC
 Company

Date
 10/15/09
 Time
 1800

Received by
[Signature]
 Signature
 Joe Gony TEST AM
 Printed Name
 Company

Date
 10/15/09
 Time
 1730

Total Number of Containers (this page): 86
 Preservatives:
 A. HCl pH < 2 Cool 4°C C. HNO₃ pH < 2 Cool 4°C E. None
 B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H₂SO₄ pH < 2 Cool 4°C
 Methods:
 1. SW-846 8260B 10. TCLP VOCs
 2. SW-846 8270C 11. TCLP SVOCs
 3. SW-846 8081A 12. TCLP Pesticides
 4. SW-846 8082 13. TCLP Herbicides
 5. SW-846 8330 14. TCLP Metals
 6. SW-846 8330 Mod 15. SW-846 1020
 7. SW-846 6010B/6020/7470A 16. SW-846 1030
 8. EPA 353.2 17. EPA 376.2
 9. SW-846 9012A
 Reporting Directions:

Total # of coolers: 6
 Lab Courier Pickup

Notes:

Relinquished by
 Signature
 Printed Name
 Company

Date
 Time

Received by
 Signature
 Printed Name
 Company

Date
 Time

SAIC Location - Twinsburg
 8866 Commons Blvd, Suite 201
 Twinsburg, OH 44087
 (330) 405-9810



Laboratory Chain of Custody Record

Name: Science Applications International Corporation Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087 Phone Number: (614) 330-9857 Project Manager: Amanda Trenton Project Name: Deep Bedrock Well Installation Sharon Conglomerate Job/P.O. #: 06-6199-04-9351-204							Requested Parameters											No. of Containers	Laboratory: RTI Laboratory Address: 31628 Glendale Street Livonia, Michigan 48150 POC: Kathy Gronda Phone: (734) 422-8000 ext 213 Fax:																
Sampler (Signature) 			(Printed Name) Amanda Trenton				VOC A1 W SVOC D2 W Pesticides D3 W PCBs D4 W Explosives D5 W Propellants D6 W Metals (TAL) C7 W Nitrate-Nitrite D8 W Cyanide D9																												
Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W			
Trip Blank	SCF-gc-012-0056-TB	QC	NA	10/13/09	1415	WA	1																										1	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS	
SCFmw-005	SCFmw-005-0053-GW	MW	151	10/13/09	1420	WA	2	1	1	1		3		1	1	1																	11		
SCFmw-005	SCFmw-005-0053-GF	MW	151	10/13/09	1420	WA								1																			1		
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.3; font-size: 48px; pointer-events: none;"> X </div>																											Billed To USACE :Louisville District Ravenna Army Ammunition Plant								
Relinquished by 							Date 10/15/2009		Received by 							Date 		Total Number of Containers (this page): 13											Total # of coolers: 1 FedEx alrbill # (s): 7960 3471 7226						
Amanda Trenton <small>Printed Name</small>							Time 1700		 							Time 		Preservatives: A. HCl pH < 2 Cool 4°C C. HNO ₃ pH < 2 Cool 4°C E. None B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H ₂ SO ₄ pH < 2 Cool 4°C											Notes:						
SAIC <small>Company</small>							 		 							 		Methods: 1. SW-846 8280B 10. TCLP VOCs 2. SW-846 8270C 11. TCLP SVOCs 3. SW-846 8081A 12. TCLP Pesticides 4. SW-846 8082 13. TCLP Herbicides 5. SW-846 8330 14. TCLP Metals 6. SW-846 8330 Mod 15. SW-846 1020 7. SW-846 6010B/6020/7470A 16. SW-846 1030 8. EPA 353.2 17. EPA 376.2 9. SW-846 9012A 18. SW-846 6890											 						
Relinquished by 							Date 		Received by 							Date 		Reporting Directions:											SAIC Location - Twinsburg 8866 Commons Blvd. Suite 201 Twinsburg, OH 44087 (330) 405-9810						
Signature 							Time 		Signature 							Time 		 											 						
Printed Name 							 		Printed Name 							 		 											 						
Company 							 		Company 							 		 											 						



Laboratory Chain of Custody Record

Name: Science Applications International Corporation
 Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087
 Phone Number: (330) 405-5822 Mobile:(614) 330-9857
 Project Manager: Amanda Trenton
 Project Name: Deep Bedrock Well Installation Sharon Conglomerate
 Job/P.O. #: 06-6199-04-9351-204 PO#440164107

Sampler (Signature) *Amanda Trenton* (Printed Name) Amanda Trenton

Site ID	Field Sample #	Site Type	Depth (ft bloc)	Date	Time	Matrix	Requested Parameters											No. of Containers								
							VOC A1	SVOC D2	Pesticides D3	PCBs D4	Explosives D5	Propellants D6	Metals (TAL) D7	Nitrate-Nitrite D8	Cyanide D9											
Trip Blank	SCFqc-014-0066-TB	QC	NA	01/18/10	1055	W	2																		2	
Rinsate	SCFqc-013-0065-ER	QC	NA	01/18/10	1100	W	3	2	2	2	2	2	1	1	1	1										15
SCFmw-001	SCFmw-001-0057-GW	MW	208	01/18/10	1335	W	3	2	2	2	2	2	1		1	1										14
SCFmw-001	SCFmw-001-0057-GF	MW	208	01/18/10	1335	W								1												1
SCFmw-005	SCFmw-005-0061-GW	MW	151	01/18/10	1625	W	3	2	2	2	2	2	1		1	1										14
SCFmw-005	SCFmw-005-0061-GW	MW	151	01/18/10	1625	W								1												1
SCFmw-003	SCFmw-003-0059-GW	MW	134	01/19/10	950	W	9	6	6	6	6	6	3		3	3										42
SCFmw-003	SCFmw-003-0059-GF	MW	134	01/19/10	950	W								3												3
SCFmw-002	SCFmw-002-0058-GW	MW	143	01/19/10	1430	W	3	2	2	2	2	2	1		1	1										14
SCFmw-002	SCFmw-002-0058-GF	MW	143	01/19/10	1430	W								1												1

Laboratory: TestAmerica Inc.
 Address: 4101 Shuffel Street NW
 North Canton, Ohio 44720
 POC: Mark Loeb
 Phone: (330) 497-9396
 Fax: (330) 497-0772

OBSERVATIONS, COMMENTS
 SPECIAL INSTRUCTIONS

Relinquished by
Amanda Trenton
 Signature
 Amanda Trenton
 Printed Name
 SAIC
 Company

Date
 01/19/10
 Signature
William R Cordell
 Signature
 William R Cordell
 Printed Name
 TEST AMERICA
 Company

Date
 1/19/10
 Signature
 Signature
 Printed Name
 Company

Total Number of Containers (this page): 107

Preservatives:
 A. HCl pH < 2 Cool 4°C C. HNO₃ pH < 2 Cool 4°C E. None
 B. NaOH pH > 12 Cool 4°C D. Cool 4°C F. H₂SO₄ pH < 2 Cool 4°C

Methods:
 1. SW-846 8260B 10. TCLP VOCs
 2. SW-846 8270C 11. TCLP SVOCs
 3. SW-846 8081A 12. TCLP Pesticides
 4. SW-846 8082 13. TCLP Herbicides
 5. SW-846 8330 14. TCLP Metals
 6. SW-846 8330 Mod 15. SW-846 1020
 7. SW-846 6010B/6020/7470A 16. SW-846 1030
 8. EPA 353.2 17. EPA 376.2
 9. SW-846 9012A

Reporting Directions:

Total # of coolers: 8
 Lab Courier Pickup

Notes: Please reference PO# 440164107 on invoice

SAIC Location - Twinsburg
 8866 Commons Blvd. Suite 201
 Twinsburg, OH 44087
 (330) 405-9810



Laboratory Chain of Custody Record

Name: Science Applications International Corporation Address: 8866 Commons Blvd., Suite 201, Twinsburg, OH 44087 Phone Number: (330) 405-5822 Mobile: (614) 330-9857 Project Manager: Amanda Trenton Project Name: Deep Bedrock Well Installation Sharon Conglomerate Job/P.O. #: 06-6199-04-9351-204							Requested Parameters											No. of Containers	Laboratory: RTI Laboratory Address: 31628 Glendale Street Livonia, Michigan 48150 POC: Kathy Gronda Phone: (734) 422-8000 ext 213 Fax:												
Sampler (Signature) 			(Printed Name) Amanda Trenton				W	W	W	W	W	W	W	W	W	W	W		W	W	W	W	W	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS							
Site ID	Field Sample #	Site Type	Depth	Date	Time	Matrix	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS								
SCFmw-004	SCFmw-004-0064-GW	MW	NA	01/20/10	948	WA	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10								
Trip Blank	SCFqc-016-0068-TB	QC	NA	01/20/10	930	WA	1																1								
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 2em;"> (This area is crossed out) </div>																							Billed To USACE :Louisville District								
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 2em;"> (This area is crossed out) </div>																							Ravenna Army Ammunition Plant								
Relinquished by							Date							Received by							Date							Total Number of Containers (this page):		11	
							01/20/10																					Preservatives:		Total # of coolers: 1	
Amanda Trenton							1700																					A. HCl pH < 2 Cool 4°C		FedEx airbill #(s):	
SAIC																												B. NaOH pH > 12 Cool 4°C		Notes:	
SAIC																												C. HNO ₃ pH < 2 Cool 4°C		10. TCLP VOCs	
SAIC																												D. Cool 4°C		11. TCLP SVOCs	
SAIC																												E. None		12. TCLP Pesticides	
SAIC																												F. H ₂ SO ₄ pH < 2 Cool 4°C		13. TCLP Herbicides	
SAIC																												Methods:		14. TCLP Metals	
SAIC																												1. SW-846 8260B		15. SW-846 1020	
SAIC																												2. SW-846 8270C		16. SW-846 1030	
SAIC																												3. SW-846 8081A		17. EPA 376.2	
SAIC																												4. SW-846 8082		18. SW-846 6860	
SAIC																												5. SW-846 8330		Reporting Directions:	
SAIC																												6. SW-846 8330 Mod		SAIC Location - Twinsburg	
SAIC																												7. SW-846 6010B/6020/7470A		8866 Commons Blvd. Suite 201	
SAIC																												8. EPA 353.2		Twinsburg, OH 44087	
SAIC																												9. SW-846 9012A		(330) 405-9810	