

Appendix O

Surface Water Field Sampling Forms

C-Block Quarry

Building 1200

Landfill North of Winklepeck Burning Grounds

Pistol Range

Load Line 5

Load Line 7

Load Line 8

Load Line 10

Buildings F-15/F-16

Atlas Scrap Yard

Location ID: CBLS Date: 11-9-04	J-001	-5W)	Field	d Sampling F	Report			aa Army Ammuni ization of 14 RVA	
Date:									
			Sa	mpling Informa	ation	w.			
Source	Gro	undwater / Product		Surface Wat	ter	Soi	ils / Sedimen	ts / Sludge	
Method	Bailer		Sam	ple Bottle	*	Scoop		Trowel	
	Pump		Bacc	on Bomb		Bowl		Hand Auger	
					_	Push Probe		Plastic Liner	
Type/Construction		,				Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form						_	
Sample Collection: 1455 hrs	3	Sample Type: Co				Location	: Plotted on	Map Staked in F	rield)
Sample Depth: (surface)FT ((below surface			of increments taken: Each Day - Each	Location		Estimated	d - Measured	Surv eyed
Field Parameters (at time of sample)		Ana	lytical	Parameters		O	ther Para	meters	
PID / FID Readings:		VOC	V	TPH GRO		Corrosivity			
Background:	ppm	SVOC	/	TPH DRO		Reactivity Sulfide/Cy	/anide		
		Explosives		Chromium +6		Ignitability			
Sample:	ppm	Propellants	/	Nitrate					
Water Level O. 3) FT	TAL Metals					QA Sam	ples	
Temperature 8,4	°C	Pesticides/PCBs				MS/MSD	Yes / No		NA
Sp. Conductance: 0.067	uMHOs	Cyanides				Duplicate ID			NA
рн 5,84	units	тос				Equipment Rinse-ID			NA
Turbidity	N.T.U.	Grain Size				Trip Blank ID	TAP	Blank	NA /
DO: 5.01, offer, melia sheer	Brample Bronn 1m-Jo-	e Description COL	ov,	organic y no-	Split Sample Name: Agency/Com Address:	·ID:	Sample		The state of the s
Soil sample description should inc Munsell Color Odor Stainin		Sorting Plasticity Mois	ture			ided: MS/MSD - Duplicate - Same as Above - As		Field Blanks	
Water sample description should in	nclude:			and a second	7				
Color Odor Sheen Turbid	lity			323 State					
Logged By. Michael So	quelas	(Please Print)			Reviev	wed by: FUC	EUIS		(Please Print)
Signature: Wichail	1)/8.	<u>L</u>			Sign	nature: ZNG		Date: 2 1	<i>5</i>

Location ID: LBLS	13-M	77-51.7	Field	d Sampling l	Report		Dovon	a Army Ammuni	ition Plant
	~	1					Characteriz	zation of 14 RVA	AP AOCs
Date:	04						سد التقديرية		
			Sa	mpling Inform	ation				
Source	Grou	indwater / Product		Surface Wa	ter	Soi	ls / Sediment	s / Sludge	
Method	Bailer		Sam	ple Bottle	X	Scoop		Trowel	
	Pump		Bacc	on Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Aiscellaneous	Well Purg Yes - No	ing Form				. /			
ample Collection: 1250 hrs	162 - 140	Sample Type: C	`omposite	e - MI - Grab	<u> </u>	Location	: (Plotted on	Map Staked in I	Field
ample Depth: Surface FT (be	elow surfac		If MI, # o	of increments taken: Each Day - Each	Location		Estimated	l - Measured -	Surveyed
							4 D	·	
Tield Parameters at time of sample)	/	Ana	alytical	Parameters		0	ther Parai	meters	
ID'/ FID Readings:		VOC	V	TPH GRO		Corrosivity			
Background:	ppm	SVOC		TPH DRO		Reactivity Sulfide/Cy	yanide		
		Explosives		Chromium +6		Ignitability			
Sample:	ppm	Propellants		Nitrate					
/ater Level	FT	TAL Metals					QA Samp	oles	
emperature <	℃	Pesticides/PCBs	1./			MS/MSD	Yes / No		NA
p. Conductance: 0.098	uMHOs	Cyanides				Duplicate ID	CBL5W-	-002-Dup	
H 5,60	units	TOC				Equipment Rinse ID			NA
urbidity	N.T.U.	Grain Size				Trip Blank ID	Trip Bl	lank -	(NA)
DO: 6.50	Sample	Description	- Co	lor.	Split Sample	Split			
no odor, 1.	10 5	heer, la	103	turpedy	Name:	John Jen		ELAL- FD-1	54)
	•			<i>\frac{1}{2}</i>	Address:	pany: <u>U.5 A.C.E.</u>	-Lowise		
					Los	DRIMATER LUTHER SVILLES KY 4	0202	C 10121	
					OA/OC Prov	ided: MS/MSD - Duplicate	Two Diodes	Ciald Plants	
		•			**************************************	Same as Above - As		FIGU DIZIKS	
		768				11770			
	_	*							
il sample description should inclu		d. a. branch tr	*						
Munsell Color Odor Staining		Sorting Plasticity Moi	sture						
colon Oden Shan Tankitis						The state of the s			
Color Odor Sheen Turbidit									
ogged By: Michael S	Samelo B/1	(Please Print)	ı			wed by: FRIC	€uis	1	(Please Print)
gnature: Wychow 1	1181	·			Sign	ature:	<u>u</u>	Date:1	05_

Location ID: CBL:	3 W -	563 SW	Field	d Sampling F	Report			a Army Ammunitic	
			Sa	mpling Informa	ition		-		
Source	Gro	ındwater / Product		Surface Wa	er	Soi	ls / Sedimen	ts / Sludge	
Method	Bailer		Sam	ple Bottle	X	Scoop		Trowel	
	Pump		Baco	on Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Furg	ing Form			11144				
Sample Collection: 1430 hrs		Sample Type: Co	mposite	e - MI - Grab		Location	Plotted of	Map - Staked in Fie d - Measured - Su	itel
Sample Depth: <u>Surface</u> FT (below surfac	ce) Decon: De	dicated	of increments taken: S Each Day - Each	Location		Estimate	u - Measureu - St	nveyed
Field Parameters (at time of sample)		Ana	lytical	Parameters		О	ther Para	meters	
PID'/ FID Readings:		VOC	1/	TPH GRO		Corrosivity			
Background:	ppm	SVOC	1	TPH DRO		Reactivity Sulfide/Cy	/anide		
		Explosives		Chromium +6		Ignitability			
Sample:	ppm	Propellants		Nitrate					
Water Level () 3	FT	TAL Metals				-	QA Sam	ples	
<u></u>			10/		1				
Temperature S, 9	°C	Pesticides/PCBs	V			MS/MSD	Yes / No		NA
Temperature 8, 9 Sp. Conductance: 0, 177	°C uMHOs	Pesticides/PCBs Cyanides	1			MS/MSD Duplicate ID	T		NA NA
						Duplicate ID Equipment Risse ID	Yes / No		
Sp. Conductance: 0, 177	L uMHOs	Cyanides				Duplicate ID	Yes / No		NA
Sp. Conductance: 0, 177 pH 6, 06 Turbidity DO: 7.39 Cleary Some Gove	uMHOs units N.T.U. Sample	Cyanides TOC Grain Size e Description	Pre	sent,	Split Sample Name: Agency/Com	Duplicate ID Equipment Riase ID Top Blank ID Split	Yes / No		NA NA
Sp. Conductance: 0, 177 pH 6, 06 Turbidity DO: 7.39	uMHOs units N.T.U. Sample	Cyanides TOC Grain Size e Description	Pre	sent,	Name:	Duplicate ID Equipment Riase ID Top Blank ID Split	Yes / No		NA NA
Sp. Conductance: 0, 177 pH 6, 06 Turbidity DO: 7.39 Cleary Some Gove	uMHOs units N.T.U. Sample	Cyanides TOC Grain Size e Description	Pre:	sent,	Name: Agency/Com Address:	Duplicate ID Equipment Riase ID Top Blank ID Split	Yes / No Tr; p Sample	Blank	NA NA
Sp. Conductance: 0, 77 pH 6, 06 Turbidity DO: 7.39 Cleary Some God Medium Tar Sidity	units N.T.U. Sample	Cyanides TOC Grain Size e Description	Pre	sent,	Name: Agency/Com Address:	Duplicate ID Equipment Riase ID Top Blank ID Split ID: Spany:	Yes / No Tr; p Sample	Blank	NA NA
Sp. Conductance: 0, 77 pH 6, 06 Turbidity DO: 7.39 Cleary Some God Medium Tar Sidity	units N.T.U Sample	Cyanides TOC Grain Size e Description		sent,	Name: Agency/Com Address:	Duplicate ID Equipment Riase ID Top Blank ID Split ID: Spany:	Yes / No Tr; p Sample	Blank	NA NA
Sp. Conductance: 0, 77 pH 6, 06 Turbidity O: 7.39 Clear, Some 6 Medium Turbidity Soil sample description should income the sample description should be sample description should be sample	Sample Sample Clude: Include:	Cyanides TOC Grain Size e Description		sent,	Name: Agency/Com Address: QA/QC Prov	Duplicate ID Equipment Riase ID Top Blank ID Split ID: Spany:	Yes / No Tr; p Sample	Blank	NA NA
Sp. Conductance: 0, 77 pH 6, 06 Turbidity O: 7.29 Clear, Some God Fredium Tar Sidity Soil sample description should income Munsell Color Odor Staining	Sample Sample Clude: Include:	Cyanides TOC Grain Size e Description		Sent,	Name: Agency/Com Address: QA/QC Prov	Duplicate ID Equipment Riase ID Fig Blank ID Split ID: Spany: ided: MS/MSD - Duplicate Same as Above - As	Yes / No Tr; p Sample	Blank	NA NA

										
Location ID: <u>CBL</u> 5	w-C	004-5W	Field	l Sampling F	Report					
Date: 11 Nov	Security Parameters Estimated - Measured									
	٠		Sai	mpling Inform	ation					
Source	Grou	ındwater / Product		Surface Wa	ier	Soi	ls / Sedimen	ts / Sludge		
Method	Bailer		Sam	ole Bottle	_ ×	Scoop		Trowel		
	Pump		Bacc	n Bomb		Bowl		Hand Auger		
					123	Push Probe		Plastic Liner		
Type/Construction		/			III	Mattocks				
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: 1415 hrs		If				Location	: Plotted or Estimate	Map -Staked in d - Measured -	Field Surveyed	
Sample Depth: Surface FT ((below surfac	be) Decon: Ded	icated	- Each Day ← Each	Location	1				
Field Parameters (at time of sample)		Anal	ytical	Parameters		О	ther Para	meters		
PID / FID Readings:		VOC	1/,	TPH GRO		Corrosivity				
Background:	ppm	SVOC		TPH DRO		Reactivity Sulfide/Cy	anide			
		Explosives		Chromium +6	/	Ignitability				
Sample:	ppm	Propellants		Nitrate						
Water Level 0 - 25	FT	TAL Metals				QA Samples				
			<i>v</i>							
Temperature 7.5	°C	Pesticides/PCBs				MS/MSD	·		NA	
		··					·		NA NA	
Temperature 7.5	uMHOs	Cyanides				Duplicate ID Equipment Rinse ID	Yes / No			
Temperature 7.5 Sp. Conductance: 0,10	uMHOs units	Cyanides TOC				Duplicate ID Equipment Rinse ID	Yes / No		NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42	umHOs units N.T.U.	Cyanides TOC Grain Size	Lou	o Med Turbidity	Split Sample	Duplicate ID Equipment Rinse ID Trip Blank ID Split	Yes / No		NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1	umHOs units N.T.U.	Cyanides TOC Grain Size	Lou	o Med Turbidity	Split Sample Name: Agency/Com	Duplicate ID Equipment Rinse ID Trip Blank ID Split	Yes / No		NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1	umHOs units N.T.U.	Cyanides TOC Grain Size	Lou	o Med Turbidity	Split Sample Name: Agency/Com	Duplicate ID Equipment Rinse ID Trip Blank ID Splitt: ID:	Yes / No		NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1	umHOs units N.T.U.	Cyanides TOC Grain Size	Lou	o Med Turbidity	Split Sample Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split ID:	Yes / No Trip Sample	Blank	NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1	umHOs units N.T.U.	Cyanides TOC Grain Size	Lou	o Med Turbidity	Split Sample Name: Agency/Com Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split ID:	Yes / No Trip Sample	Blank	NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1	umHOs units N.T.U.	Cyanides TOC Grain Size	Lou	o Med Turbidity	Split Sample Name: Agency/Com Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split HD: Apany: Aided: MS/MSD - Duplicate	Yes / No Trip Sample	Blank	NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1 Clear: Creyen	umits N.T.U. Sample	Cyanides TOC Grain Size	Lou	v Med Turbidity	Split Sample Name: Agency/Com Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split HD: Apany: Aided: MS/MSD - Duplicate	Yes / No Trip Sample	Blank	NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1 Clear: Creyan Soil sample description should income	units N.T.U. Sample Color clude:	Cyanides TOC Grain Size Performance of the state of th	Lou	o Med Turbidity	Split Sample Name: Agency/Com Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split HD: Apany: Aided: MS/MSD - Duplicate	Yes / No Trip Sample	Blank	NA NA	
Temperature 7.5 Sp. Conductance: 0.10 pH 6.42 Turbidity 1 Clear: Cream Soil sample description should income the sample description of the samp	units N.T.U. Sample Collab clude: ng Texture	Cyanides TOC Grain Size Performance of the state of th	Lou	o Med Tur sidity	Split Sample Name: Agency/Com Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split HD: Apany: Aided: MS/MSD - Duplicate	Yes / No Trip Sample	Blank	NA NA	
Soil sample description should in Munsell Color Odor Staint.	units N.T.U. Sample Colin clude: ing Texture include:	Cyanides TOC Grain Size Performance of the state of th	Lou	o Med Turbidity	Split Sample Name: Agency/Com Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split HD: Apany: Aided: MS/MSD - Duplicate	Yes / No Trip Sample	Blank	NA NA	
Soil sample description should in Munsell Color Odor Staint. Water sample description should in Color Odor Sheen Turbia.	units N.T.U. Sample Colin clude: ing Texture include:	Cyanides TOC Grain Size Performance of the state of th	Lou	v Med Turbidity	Split Sample Name: Agency/Com Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split HD: Apany: Aided: MS/MSD - Duplicate	Yes / No	Blank Field Blanks	NA NA	
Soil sample description should in Munsell Color Odor Staint.	units N.T.U. Sample Colin clude: ing Texture include:	Cyanides TOC Grain Size Performance of the state of th	Lou	o Med Turbidity	Split Sample Name: Agency/Com Address: QA/QC Prov Parameters:	Duplicate ID Equipment Rinse ID Trip Blank ID Split HD: Apany: Aided: MS/MSD - Duplicate	Yes / No	Blank	NA NA	

Location ID: <u>\$125w</u> . Date: <u>11.5-04</u>	-025	sw_	Field	d Sampling I	Report			ia Army Ammi ization of 14 R	
Date: 11-3-(5-				·· •					
	1		Sa	mpling Inform	000000000000000000000000000000000000000	<i>i</i>	·		
Source		undwater / Product		Surface Wa		Soi	ls / Sedimen	ts / Sludge	$\overline{}$
Method	Bailer		Sam	ple Bottle	_ <i>X</i>	Scoop		Trowel	
	Pump		Baco	on Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction		/	Dir	ect FIII	1777	Mattocks			
Miscellaneous	Well Purg Yes - No	ring Form							
Sample Collection: 0845hrs	5	Sample Type: Co)	Location		Map Staked i	
Sample Depth: <u>Sarface</u> FT	(below surfac	ce) Decon: Que		of increments taken: Each Day - Each	Location		Estimate	d - Measured	- Surveyed
Field Parameters (at time of sample)		Anal	ytical	Parameters		O	ther Para	meters	
PID / FID Readings:		voc	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	χ	TPH DRO		Reactivity Sulfide/Cy	vanide		
		Explosives	X	Chromium +6	-	Ignitability			
Sample:	ppm	Propellants	χ	Nitrate					
Water Level ~/. O	FT	TAL Metals	X				QA Sam	ples	
Temperature 5.7	°C	Pesticides/PCBs	χ			MS/MSD	Yesy No		NA
Sp. Conductance: 0.33	7 uMHOs	Cyanides				Duplicate ID	8125w-0	25-DUP	NA
рн 6.62	units	TOC				Equipment Rinse ID		i.	(NA)
Turbidity	N.T.U.	Grain Size				Trip Blank ID	Trip BI	kn K	MI G
DO: 6.30 m	Sample Sold Urbi	e Description HATEV 15 A 1 4 4 5 Slight	cle She Sh	ear, Mo-	Name: Agency/Com Address:	D: BILSW-025 Tohn Jent	ovumlle Ruhes		
Soil sample description should inc Munsell Color Odor Stainin Water sample description should i Color Odor Sheen Turbio Logged By:	ng Texture		ture		QA/QC Prov Parameters:	ided: MS/MSD - Duplicate Same as Above - As	Trip Blanks - Listed	Field Blanks	(Please Print)
Signature:	- 1					nature: ##	<u> </u>	Date:	iles

Location ID: B125W - C Date: 11-5-0	126-S	W	Field	l Sampling l	Report		Ravenna Ar Characterizatio	my Ammunition	
			Sai	mpling Inform	ation				
Source	Grou	ındwater / Product		Surface Wa	CONTRACTOR OF THE PROPERTY OF	Soil	ls / Sediments / S	ludge	
Method	Bailer		Samı	ole Bottle		Secop	Tro	owel	
	Pump		Baco	n Bomb		Bowl	Ha	nd Auger	
						Push Probe	Pla	stic Liner	
Type/Construction			D	18607 ALL		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form				-			
Sample Collection: 10.45 hrs Sample Depth: Surface FT (If MI, # o	- MI - Grab of increments taken: - Each Day - Each		Location	Plotted on Mar Estimated -	Staked in Fiel Measured - Sur	
Field Parameters (at time of sample)		An	alytical	Parameters		· O	ther Paramet	ers	
PID / FID Readings:		VOC	1/	TPH GRO		Corrosivity			7
Background:	ppm	SVOC		TPH DRO		Reactivity Sulfide/Cy	vanide		
		Explosives		Chromium +6		Ignitability			
Sample:	ppm	Propellants	V	Nitrate					"
Water Level 0.3	FT	TAL Metals	/			_	QA Samples		
Temperature 9,2	°C	Pesticides/PCBs				MS/MSD	Yes / No		NA
Sp. Conductance: 0,20	7 uMHOs	Cyanides				Duplicate ID		N	NΑ
рн 6,80	units	TOC				Equipment Rinse ID		<u> </u>	NA .
Turbidity /	N.T.U.	Grain Size				Frip Blank ID	TOP B/A	nk	NΑ
DO: 9.87, Tem	Sample F	E Description Sheen	(ou) T	Turbidity	Split Sample Name: Agency/Con Address:	e ID:	Sample		
					QA/QC Pro Parameters:	vided: MS/MSD - Duplicar Same as Above As	Trip Blanks - Field Listed	Blanks	
Soil sample description should in		Causing Diagram v. 3.5						$\searrow 111$	
Munsell Color Odor Staini Water sample description should to		sorting Plasticity Mo	oisture		/		in the second		
Color Odor Sheen Turbi					1			1 2	Υ.
Logged By: Wichael Signature: Wichael	Same GSL	fak (Please Prin	t)			wed by: FR4 on nature:	f Eus	(Ple	case Print)

Location ID: L/V w/ 514 -	047-5	W	Field	l Sampling F	Repor	t				munition Plant RVAAP AOCs	
Date: 03 Nov 04								Characteri	zation of 14	RVAAI AUCS	
			Sa	mpling Inform	ation				1		
Source	Grou	ındwater / Product	(n.h.nh.nh.) (n.h.nh.nh.) (n.h.nh.nh.) (n.h.nh.nh.nh.) (n.h.nh.nh.nh.nh.nh.nh.nh.nh.nh.nh.nh.nh.	Surface Wa	ter		Soi	ls / Sedimen	ts / Sludge		
Method	Bailer		Sam	ple Bottle		X	Scoop		Trowel		
	Pump		Bacc	on Bomb			Bowl		Hand Auge	er	
							Push Probe				
Type/Construction			Þ	ivect Fill				•			
Miscellaneous	Well Purg Yes - No	ing Form									
Sample Collection: 10 6 hrs Sample Depth: 27 FT			1I, # of	/(MI) Grab increments taken: - Each Day Each	Labatia		Location Plotted o	n Man - Stak d - Measur	ted in Field ed - Surveye	ed	
Field Parameters (at time of sample)				Parameters Parameters	Localio	"	o	ther Para	meters		
PID / FID Readings:	$\overline{}$	voc	X	TPH GRO			Corrosivity			}	
Background:	ppm	SVOC	X	TPH DRO			Reactivity Sulfide/Cy	yanide			
		Explosives	X	Chromium +6			Ignitability				
Sample:	ppm	Propellants	X	Nitrate							
Water Level —	FT	TAL Metals	Х	,,,			QA Samples				
Temperature // Y	°C	Pesticides/PCBs	Х				MS/MSD	Yes / No		NA	
Sp. Conductance: 0.274 mg	/Cm uMHOs	Cyanides	- / \				Duplicate ID		/	NA	
рН 6.90	units	TOC					Equipment Rinse ID			NA	
Turbidity ~ g	N.T.U.	Grain Size					Trip Blank ID	Trip	Blank	NA	
Claur No Oder		e Description Shun Law Yw	ક , ત	ity	Name	cy/Com	ED;	Sample			
Soil sample description should in Munsell Color Odor Staini Water sample description should Color Odor Sheen Turbi	ing Texture	Sorting Plasticity Mois.	ture				vided: MS/MSD - Duplicate Same as Above - As		Field Blanks		
Logged By: Mar) unfert	(Please Print)				Revie	wed by: FRIC	FLUS		(Please Print)	
Signature:	لنهل	9	-			Sign	nature: 44		Date:	2/1/05	

Location ID: LNW SU	V - 04	19 -SW	Field	d Sampling F	Report		Ravenn	a Army Ammunitio	n Plant
Date: 11/03/04							Characteri	zation of 14 RVAA)	? AOCs
			✓ Sai	mpling Informa	ation				
Source	Grou	indwater / Product		Surface Wa		Soi	ls / Sedimen	ts / Sludge	
Method	Bailer		Samı	ple Bottle		Scoop		Trowel	
	Pump		Bacc	on Bomb		Bowl	And the second state of the second	Hand Auger	
						Push Probe	are star		
Type/Construction			Д.	irect Fil				<u>L.,</u>	
Miscellaneous	Well Purg Yes - No	ging Form					ope management		
Sample Collection: 8910 hrs		Sample Type: (/(MI) - Grab		Location: Plotted or	n Man - Stak	ed in Field ed - Surveyed	
Sample Depth: 2 in the	(below surface	ce) Decon: D	edicated	- Each Day Each	Location)	Estinato	u - Mcasur	ou - Surveyeu	
Field Parameters (at time of sample)		An	alytical	Parameters	North-Parker Street, and the S	О	ther Para	meters	
PID / FID Readings:		VOC	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO	-	Reactivity Sulfide/Cy	yarnde		
	•	Explosives	X	Chromium +6		Ignitability			
Sample:	ppm	Propellants	X	Nitrate		/-			
Water Level	_ FT	TAL Metals	X				QA Sam	ples	
Temperature (1, 3°C	°C	Pesticides/PCBs	X	-		MS/MSD	Yes / No		NA
Sp. Conductance: O. 151	ns (em	Cyanides				Duplicate ID		1	NΑ
рН 5.98	units	TOC				Equipment Rinse ID		. 1	NA
Turbidity 5	N.T.U.	Grain Size				Trip Blank ID	Tripi	Banko	NA .
Clear No Oclar	-,	e Description	dity		Split Sample Name: Agency/Con Address:	• ID:	t Sample		
Soil sample description should in	nclude:					rided: MS/MSD - Duplicate Same as Above - As		Field Blanks	
Munsell Color Odor Stain		Sorting Plasticity Me	oisture						
Water sample description should	_		-						
Color Odor Sheen Turb									
Logged By: Mark Da	nlery	(Please Prin	t)		Revie	wed by:Suc	e Bole	(Ple	ease Print)
Signature:	Rent	is			Sign	nature:Suc	Bree	Date:	105

Location ID: <u>し</u> かWSW - の	149 - SW		Field	l Sampling R	epor	t			a Army Ammun zation of 14 RVA	
Date: 02 Novo4										
			Sar	mpling Informa	tion					
Source	Grou	ndwater / Product		Surface Wate	er)		Soi	ls / Sedimen	ts / Sludge	
Method	Bailer		Samı	ole Bottle		X	Scoop		Trowel	
	Pump		Baco	n Bomb			Bowl		Hand Auger	
							Push Probe		Plastic Liner	
Type/Construction			D	NEET PILL			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: 135 hrs) ()			- MI - Grab)		Location		Map Staked in	
Sample Depth: 2" FT	(below surfac			of increments taken: - Each Day Each	Locatio	<u>n</u>		Estimate	d - Measured -	Surveyed
Field Parameters (at time of sample)		Anal	ytical	Parameters			O	ther Para	meters	1
PID / FID Readings:		VOC	X	TPH GRO			Corrosivity			
Background:	ppm	SVOC	X	TPH DRO			Reactivity Sulfide/C	yanide		
		Explosives	X	Chromium +6			Ignitability			
Sample:	ppm	Propellants	X	Nitrate			<i>,</i>			
Water Level -	FT	TAL Metals	χ					QA Sam	ıples	
Temperature /5, Z	°c	Pesticides/PCBs	K				MS/MSD	Yes / No	,	ÑA
Sp. Conductance: 0.283	ns/cm	Cyanides					Duplicate ID			NA
р н 7.35	units	TOC					Equipment Rinse ID			NA
Turbidity –10	N.T.U.	Grain Size	:				Trip Blank ID	Trip	Blank	NA
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	nclude: ning Texture	Sorting Plasticity Mois			Name Agen Addr	ess:	ipany: vided: MS/MSD - Duplicate		- Field Blanks	
Logged By: Mak Dun	kyy	(Please Print)				Revie	ewed by: ELL	EUN	5	(Please Print)
Signature:	ling						nature: 21c	th_	Date:	105

Location ID: LNW SW-	050-5v	×	Field	d Sampling l	Report			na Army Ammuni ization of 14 RVA	
Date: OZ No UOY			Sa	muling Inform	ation				W3
a a		and a line of the state of	Sa.	mpling Inform Surface Wa		Coi	ls / Sedimer	rte / Sludga	
Source		indwater / Product	Casa	ple Bottle		Scoop	is / Seamer	Trowel	
Method	Bailer				X	-			
	Pump		Bacc	on Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction			Dir	rek Fill		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: 1130 hrs		Sample Type: Con		e - MI - Grab	2	Location		n Map Staked in l	
Sample Depth: O.Z FT ((below surfac		icated	- Each Day - Each	Location		Lotiniate	A TYTOUSUIOU -	our voyeu
Field Parameters (at time of sample)	_	Anal	ytical	Parameters		О	ther Para	ameters	
PID / FID Readings:		VOC	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/Cy	anide		
		Explosives	X	Chromium +6		Ignitability	, .		
Sample:	ppm	Propellants	X	Nitrate					
Water Level	FT	TAL Metals	X				QA Sam	ples	_
Temperature /3, >	°C	Pesticides/PCBs	X			MS/MSD	Yes / No	, /	NA
Sp. Conductance: 0.266 m	uMHOs	Cyanides				Duplicate ID			NA
р н >. Ус	units	TOC				Equipment Rinse ID			NA
Turbidity -/0	N.T.U.	Grain Size				Trip Blank ID	Trip	Blank	NA
	_	e Description	,		Split Sample		Sample		
Clear No Oder	~ ~ 0 _	their Low To:	. д.		Name:				
	·				Agency/Con Address:	ipany:		/	
							/		
						v ided: MS/MSD - Duplicate Same as Above - As		- Field Blanks	
					1888				
, \						THE STREET			
Soil sample description should in	clude:								
Munsell Color Odor Staini	ng Texture	Sorting Plasticity Moist	ure			Tipe Commence			
Water sample description should i	include:				1				
Color Odor Sheen Turbi	dity								
Logged By: Mat Dynky	() ()	(Please Print)			Revie	wed by:	4 EUS	Š	(Please Print)
Signature: MOW	uly				Sign	nature: 50	h	Date:	05

Location ID: LN WSW Date: 11 02	-051 104	-5 W	Field	d Sampling I	Report			na Army Ammunition ization of 14 RVAAP	
			Sa	mpling Inform	ation				
Source	Gro	undwater / Product		(Surface Wa	ter)	Soil	s / Sedimen	its / Sludge	/
Method	Bailer		Sam	ple Bottle	X	Scoop		Trowel	
	Pump		Bacc	n Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction			D/	ELT FILL		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection:0945 hrs		Sample Type: Co	f MI, # o	f increments taken:	and the second of the second of the second	Location	Plotted or Estimate	Map Staked in Field d - Measured - Surv	l veyed
Sample Depth: 2 inches FT (below surfac	Decon: Dec	dicated	- Each Day (Each	Location		-		
Field Parameters (at time of sample)		Ana	lytical	Parameters		0	ther Para	nmeters	/
PID'/ FID Readings:		VOC	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/Cy	anide		
		Explosives	X	Chromium +6		Ignitability	· ·		
Sample:	ppm	Propellants	X	Nitrate					
Water Level	FT	TAL Metals	X				QA Sam	ples	
Temperature 14.8	°C	Pesticides/PCBs	X			MS/MSD	Yes / No	1	NA
Sp. Conductance: 0.255	vn 5/cm uMHOs	Cyanides				Duplicate ID		N.	A
рН 6.63	units	TOC				Equipment Rinse ID		N.	A
Turbidity – 10	N.T.U.	Grain Size				Trip Blank ID	Trip	Blank	A
No oda Yellowish l		e Description Moderate Water		bidity callic	Split Sample Name: Agency/Com Address:	ID:	Sample		
Soil sample description should inc Munsell Color Odor Stainin Water sample description should in Color Odor Sheen Turbic	ng Texture	Sorting Plasticity Mois	ture		Parameters:	rided: WSAISD - Duplicate Same as Above - As	Listed		
Logged By: Vijai	1 Alle	(Please Print)			Revie	wed by:	<u>_15419</u>	(Pleas	se Print)
Signature:	jay				Sign	nature: Man		Date:	5

Location ID:	52-5	W	Field	d Sampling l	Report			na Army Amm ization of 14 R	
Date: 12/06/04									
			Sa	mpling Inform	ation		-		
Source	Grou	indwater / Product		(Surface Wa	iter)	Soi	ls / Sedimer	its / Sludge	
Method B	ailer		Sam	ple Bottle	V	Scoop		Trøwel	
Pt	ump		Bacc	n Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction	_/		C	MOSELT FILE		Mattocks			
Miscellaneous W	V ell Purg es - No	ing Form							
Sample Collection: 1905 hrs 1015 Sample Type: Composite - MI - Grab Location: Plotted on Map - Staked in Field If MI, # of increments taken: Sample Depth: 504 F ALE FT (below surface) Decon: Dedicated - Each Day - Each Location									
	ow surrac				Location				
Field Parameters (at time of sample)		An	alytical	Parameters		U	ther Para	imeters	/
PID'/FID Readings:		voc	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/Cy	/anide		
		Explosives	X	Chromium +6		Ignitability			
Sample:	ppm	Propellants	X	Nitrate					
Water Level /, 5	FT	TAL Metals	X				QA Sam	ples	
Temperature 5.4	℃	Pesticides/PCBs	X			MS/MSD	Yes / No		(NA)
Sp. Conductance: 0.248	uMHOs	Cyanides				Duplicate ID	LNWow	-052-B	WONA
он 6.8/	units	TOC				Equipment Rinse ID			MAD
Turbidity 44	N.T.U.	Grain Size				Trip Blank ID	Trie t	3 hn K	ART S
R LABIHT AMBER		Description	5 SHE	<u> </u>		Split ID: LNWAW - O Taild JENJ		rl-ed-e	<u>*</u> 大)
						DEMARKING WIT		BJE PLA	<u>-</u> 2 A
					QA/QC Prov Parameters:	ided: MSAISP Duplicate (ame as Above - As	- Trip Blanks - Listed	Field Blanks	
oil sample description should include									
Munsell Color Odor Staining		Sorting Plasticity Mo	isture						
Tater sample description should inclused to Color Odor Sheen Turbidity	ude:						Prince of the Control		
ogged By: NILE SII JARINGA	RPURF	(Please Print)		Reviev	ved by: FRIC	EWIS		(Please Print)
		· · · · · · · · · · · · · · · · · · ·	-				 		

Location ID: PIRSU Date: 17/Nov	<u> </u>	-5W	Field Sampling Report				Ravenna Army Ammunition Plant Characterization of 14 RVAAP AOCs			
Date: 17/Nov	104									
			Saı	mpling Informa						
Source	Gro	undwater / Product	4	Eurface Wat	er)	Soi	ls / Sedimen	ts / Sludge		
Method	Bailer		Samj	ole Bottle	X	Scoop		Trowel		
	Pump		Baco	п Вошь		Bowl		Hand Auger		
						Push Probe		Plastic Liner		
Type/Construction			O)	efut fill		Mattocks				
Miscellaneous	Well Purg Xes - No	ing Form								
Sample Collection: 1420 hrs	,	Sample Type: Co	mposite	- MI Grab f increments taken:)	Location		Map Staked in Field i - Measured - Sur		
Sample Depth: <u>Sour Focu</u> FT (below surfac	Decon: Decon	dicated	- Each Day - Each	Location		Estimated	ı - Measured - Şur	veyed	
Field Parameters (at time of sample)		Ana	lytical	Parameters		O	ther Para	meters		
PID'/FID Readings:	ppm	VOC		TPH GRO		Corrosivity				
Background:	SVOC		TPH DRO		Reactivity Sulfide/Cy	anide				
	Explosives		Chromium +6		Ignitability					
Sample:	ppm	Propellants		Nitrate						
Water Level 7.0	FT	TAL Metals					QA Sam	ples		
Temperature /. 4	°C	Pesticides/PCBs				MS/MSD	Yes / No]	NA	
Sp. Conductance: 0.075	uMHOs	Cyanides				Duplicate ID		N	A	
рн 7.57	units	TOC				Equipment Rinse ID			A	
Turbidity 137	N.T.U.	Grain Size			-	Trip Blank ID	TRIP !	BLANK N	A ECE	
Clear, No Oo	Sample Sample	e Description O Sheen	, 20	wTarb	Split Sample Name: Agency/Con Address:	· ID:	Sample		/	
Soil sample description should inc Munsell Color Odor Staini Water sample description should i	ng Texture include:		ture			vided: MS/MSD - Duplicate Same as Above - As	Listed	Field Blanks		
Logged By: Michae /	<u>Samei</u>	Ok (Please Print)				wed by: FUL	EUIS) .	se Print)	
Signature: Michael	Sign	nature: <u>SAS</u>		Date: Z/1/~	2					

Location ID: LL 55m	1-001.	-3W	Field	d Sampling R	Report				unition Plant
Date: 12/06/0	4					'	Characteri	Zation of 14 K	VAAP AOCs
			Sai	mpling Informa	ition				
Source	Grou	ındwater / Product	<u> </u>	Surface Wat		Soils	/ Sedimen	ts / Sludge	
Method	Bailer	7	Sam	ple Bottle		Scoop		Trowel	
	Pump		Baco	n Bomb		Bow1		Hand Auger	
						Push Probe		Plastic Liner	•
Type/Construction			i eg			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: NA hrs		Sample Type: Cor				Location:		Map - Staked	
Sample Depth: NA FT	(below surfac	re) Decon: Ded		of increments taken: - Each Day - Each	Location		Estimate	d - Measured	: - Surveyed
Field Parameters		Anal	ytical	Parameters		Ot	her Para	meters	
(at time of sample) PID / FID Readings:		УОС		TPH GRO	-/	Corrosivity			/
Background:	ppm	svoc		TPH DRO	/	Reactivity Sulfide/Cya	anide		
Duving, outra.		Explosives		Chromjum +6		Ignitability	inde		
Sample:	ppm	Propellants	Mitrate		iginationity				
Sample:	FT	TAL Metals	Muate						
Water Level			/	QA Sam					
Temperature	°C	Pesticides/PCBs				MS/MSD	Yes / No		NA NA
Sp. Conductance:	uMHOs	Cyanides				Duplicate ID			NA NA
pH /	units N.T.U.	TOC Grain Size				Equipment Rinse ID Trip Blank ID			NA NA
Turbidity							Sample		
	Запр	e Description			Split Sample Name: Agency/Con Address:	e ID:			<u></u>
No War No Savr Soil sample description should in Munsell Color Odor Stains	clude:	Collected Sorting Plasticity Mois	ture		QA/QC Pro Parameters:	vided: MS/MSD - Duplicate Same as Above - As		Field Blanks	
Water sample description should	-	2 , , , , , ,							
Color Odor Sheen Turbi									
Logged By: James Signature:	Pan.	(Please Print)				ewed by: DUC	Boles Lea	Date:	(Please Print)

Location ID: LL 554	V-00	2-SW	Field	d Sampling R	Repor	t			na Army Ammunitio	
Date: 12/10/0	4							Character	interest of 14 KV III I	71005
			Sa	mpling Informa	ition					
Source	Grou	indwater / Product		Sufface Wat	er		Soi	ls / Sedime	nts / Sludge	
Method	Bailer Pump Depth: Well Purging Form Yes - No Collection: Sample Parameters of sample Depth: VOC SVOC Explosives mple: ppm Propellants FT TAL Metals ature °C Pesticides/Pounts turner umhos Cyanides units TOC		Sam	ple Bottle			Scoop		Trowel	
·	Pump		Baco	on Bomb	-		Bowl		Hand Auger	
							Push Probe		Plastic Liner	
Type/Construction	/		arva. Taja	To the Barrier of the Control of the			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: NA hrs Sample Depth: NA FT		Sample Type: Con If te) Decon: Ded	MI, # 0	e - MI - Grab of increments taken: - Each Day - Each	Location	n	Location		n Map - Staked in Fie ed - Measured - Su	
Field Parameters (at time of sample)		Anal	ytical	Parameters			О	ther Par	ameters	/
PID / FID Readings:	/	voc		TPH GRO			Corrosivity			
Background:	ppm	SVOC		TPH DRO			Reactivity Sulfide/C	yanide		
		Explosives		Chromium +6			Ignitability			
Sample:	Background: SVOC Explosives Sample: ppm Propellants ter Level FT TAL Metals			Nitrate						
Water Level	FT	TAL Metals					/	QA San	ıples	
Temperature	°C	Pesticides/PCBs					MS/MSD	Yes / No)	NA
Sp. Conductance:	uMHOs	Cyanides					Duplicate ID		Ì	NA
рН	units	тос					Equipment Rinse ID		1	NA
Turbidity	N.T.U.	Grain Size				,,,,,	Trip Blank ID		1	NA -
	Sample	e Description			Name	y/Com	in the contract of the contra	t Sample		
	,	collected				C Provueters:	rided: MS/MSD - Duplicate Same as Above - As		- Field Blanks	
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture										
Water sample description should	-	Some I moneny 191018	ons C							
Color Odor Sheen Turbi										
Logged By: James La	,	v (Please Print)				Revie	wed by: Sue,	Bdes	(Pi	ease Print)
Signature:	3 ~						nature: Sue De	list	Date: 2/23/	105

Location ID:	1 00 3 14	-sw_	Field	d Samplin	ıg Re	eport	-			a Army Ammunition zation of 14 RVAAP	
	·		Sai	mpling Info	ormat	ion					
Source	Grou	ndwater / Product	-	Surface				Soils / S	edimer	its / Sludge	$\overline{/}$
Method	Bailer		Sam	ple Bottle			, i	Scoop		Trowel	
	Pump	/	Baco	on Bomb				Bowl		Hand Auger	
								Push Probe		Plastic Liner	
Type/Construction	/	/			<u> </u>	1		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	:				÷				
Sample Collection: NA hrs		Sample Type: Cor	nposite	e - MI - G	rab					n Map - Staked in Field	
Sample Depth: NA FT		e) Decon: Ded		of increments to - Each Day -		ocation	1	E	stimate	d - Measured - Surv	reyed
Field Parameters (at time of sample)		Anal	ytical	Parameter	·s		/	Othe	r Para	ameters	
PID / FID Readings:		VOC		TPH GRO		_/		Corrosivity			1_
Background:	ppm	SVOC		TPH DRO				Reactivity Sulfide/Cyanic	le		
		Explosives		Chromium	; 6			Ignitability			
Sample:	ppm	Propellants		Nitrate							
Water Level	FT	TAL Metals	_				,	Q	San	ıples	
Temperature	°C	Pesticides/PCBs						MS/MSD Y	es / No) N	NΑ
Sp. Conductance:	uMHOs	Cyanides						Duplicate ID		N/	A
рН	units	тос						Equipment Rinse ID		N/	A
Turbidity	N.T.U.	Grain Size						Trip Blank ID		N	A
No W No Sa		Collected				Name Agenc Addre	: :y/Com :ss: C Pro	Split Sar Pany: Spany: Vided: MS/MSD - Duplicate - Tri Same as Above - As List	o Blánks	- Field Blanks	
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	ing Texture	Sorting Plasticity Mois	ture		- The state of the						
Logged By: James	Mnor	(Please Print)					Revie	ewed by: Sue Bo	les,		ise Print)
Signature:	22						Sig	nature: Sue Bol	معد	Date: <u>423/</u>	05

Location ID:	2-000	1-SW	Field Sampling 1	Report	C	Ravenna Army Ammunit	
Date: /2/06/0	4						
		. <u> </u>	Sampling Inform	ation			
Source	Grou	ndwater / Product	Surface Wa	iter	Soils /	Sediments / Sludge	
Method	Bailer		Sample Bottle		Scoop	Trowel	
	Pump		Bacon Bomb		Bowl	Hand Auger	
		/			Push Probe	Plastic Liner	
Type/Construction				- 1	Mattocks		
Miscellaneous	Well Purg Xes - No	ing Form					
Sample Collection: MA hr	s		mposite - MI - Grab		Location:	Plotted on Map - Staked in F Estimated - Measured - S	
Sample Depth: MA FT	(below surfac	te) Decon: Dec	MI, # of increments taken licated - Each Day - Eac			Estimated Measured C	nai vojea
Field Parameters (at time of sample)		Anal	ytical Parameters		Oth	er Parameters	
PID / FID Readings:		VOC	TPH GRO		Corrosivity		
Background:	ppm	SVOC	TPH DRO		Reactivity Sulfide/Cyan	ride	
		Explosives	Chromium +6		Ignitability		
Sample:	/						
Water Level	FT	TAL Metals			e	A Samples	
Temperature	°C	Pesticides/PØBs			MS/MSD	Yes / No	NA
Sp. Conductance:	uMHOs	Cyanides			Duplicate ID		NA
рН	units	TOC			Equipment Rinse ID		NA
Turbidity	N.T.U.	Grain Size			Trip Blank ID		NA
	Sampl	e Description		Split Samp Name: Agency/Co		ample	
No a	sater Samp	— 6 lo Ne cteo	1	QA/QC Pro	ovided: MS/MSD - Duplicate - Ts: Same as Above - As L	rip Blanks - Field Blanks (sted	
Soil sample description should in							
Munsell Color Odor Stain	ing Texture	Sorting Plasticity Moi.	sture				
Water sample description should	l include:						
Color Odor Sheen Turb							
Logged By: Jewes	14n00	(Please Print)			iewed by: Sue B	les Date: Has	(Please Print)

Z

Location ID: <u>LL55</u>	w -00	5-5W	Field	l Sampling F	Report	t	C		na Army Ammunition	
Date: /2/06/6	04							nai actei	ization of 14 KVACA	1 AGC3
			Sai	mpling Informa	ation					
Source	Grou	indwater / Product		Sufface Wat	ièr		Soils /	Sedime	ıts / Sludge	
Method	Bailer		Samj	ple Bottle	/ : · .		Scoop		Trowel	
	Pump		Baco	n Bomb			Bowl		Hand Auger	
							Push Probe		Plastic Liner	
Type/Construction	/		:				Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: AA hrs Sample Depth: AA FT	(below surfac		MI, # o	- MI - Grab of increments taken: - Each Day - Each	Location		Location:		n Map - Staked in Field - Measured - St	
Field Parameters (at time of sample)	(below surface	I		Parameters	Doution		Oth	er Para	ameters	
PID / FID Readings:		VOC		TPH GRO			Corrosivity			\frown
Background:	ppm	SVOC		TPH DRO			Reactivity Sulfide/Cyar	ide		
/	/	Explosives		Chromium +6			Ignitability			
Sample:	ppm	Propellants		Mitrate				$\overline{}$		
Water Level	FT	TAL Metals					_(A San	ıples	
Temperature	°C	Pesticides/PCBs					MS/MSD	Yes / No)	NA
Sp. Conductance:	uMHOs	Cyanides					Duplicate ID			NA
рН	units	тос					Equipment Rinse ID			NA
Aurbidity	N.T.U.	Gram Size					Trip Blank ID			NA
No h		Colle Ad			Name Agenc Addre	ey/Com ess: C Prov	ipany:	rip Blanks	- Field Blanks	
		collected			Parameters: Same as Above - As Listed					
Soil sample description should in Munsell Color Odor Stains		Sorting Plasticity Mois	turo							
Water sample description should		Sorung Fusicuy Mois	ui e							
Color Odor Sheen Turbi										
Logged By: James /-	<u> </u>	(Please Print)				Revie	wed by: Sue E	ples	(F	Please Print)
Signature: Derries	Sa						nature: Sueb	Ples	Date: 2/2	3/05

Location ID: <u>LL550</u> Date: 12/06/09	1-006 L	5-5W	Fiel	d Sampling I	Report			na Army Ammuni rization of 14 RVA		
·			Sa	mpling Informa	ation					
Source	Grou	indwater / Product		Surface Wa	ter	Soi	ls / Sedime	nts / Sludge		
Method	Bailer		Sam	ple Bottle		Scoop		Trowel		
	Pump		Baco	on Bomb		Bowl		Hand Auger		
						Push Probe	Andrew Control	Plastic Liner		
Type/Construction						Mattocks				
Miscellaneous	Well Purg Yes - No	ing Form			441					
Sample Collection: NA hrs Sample Depth: NA FT (be		Sample Type: Co	MI, # 0	e - MI - Grab of increments taken: - Each Day - Each	Location	Location		n Map - Staked in I ed - Measured -		
Field Parameters (at time of sample)		Anal	ytical	Parameters		О	ther Par	ameters		
PID / FID Readings:		VOC		TPH GRO		Corrosivity			$\overline{/}$	
Background:	ppm	SVOC		TPH DRO		Reactivity Sulfide/Cy	anide			
/	Explosives		Chromium +6		Ignitability					
Sample:	ppm	Propellants	Nitrate							
Water Level	FT	TAL Metals					QA/San	nples		
Temperature	°C	Pesticides/PCBs	<i></i>			MS/MSD	Yes / No)	NA	
Sp. Conductance:	иМНОs	Cyanides				Duplicate ID			NA	
р₩	units	тос				Equipment Rinse ID			NA	
Turbidity	N.T.U.	Grain Size				Trip Blank ID			NA	
Soil sample description should inclu Munsell Color Odor Staining Water sample description should inc	Wa Sa de: Texture	Sorting Plasticity Moist			QA/QC Prov		Trip Blgnks	Field Blanks		
Logged By: James 14	1072	(Please Print)			Reviev	ved by: Sue	, Bole	ر خ	(Please Print)	
Signature Change 3					Sign	ature: Suu B	oles) Date: 4/2	3/05	

Location ID: LL5SW	J-00	7-SW	Field	d Sampling	Report		Ravenna Army Ami	nunition Plant		
Date: 12/4/04	L						Characterization of 14	RVAAP AOCs		
			Sa	mpling Inform	ation					
Source	Grou	andwater / Product	1	Surface Wa		So	ils / Sediments / Sludge			
Method	Bailer		Sam	ple Bottle		Scoop	Trowel			
	Pump		Baco	on Bomb		Bowl	Hand Auge	r		
			Per	istalic Ri	me X	Push Probe	Plastic Line	er		
Type/Construction						Mattocks				
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: 0130hrs				e - MI - Grab)	Location	n: Plotted on Map Staked			
Sample Depth: 13.31 FT (below surface) If MI, # of increments taken: Decon: Dedicated - Each Day - Each Location Estimated - Measured - Surveyed Decon: Dedicated - Each Day - Each Location										
Field Parameters (at time of sample) Analytical Parameters Other Parameters										
PID / FID Readings: VOC X TPH GRO Corrosivity										
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/C	yanide			
		Explosives	Х	Chromium +6		Ignitability				
Sample:	ppm	Propellants 9/2	X	Nitrate	X					
Water Level 13.31	FT	TAL Metals	Х				QA Samples			
Temperature 7.2	. ℃	Pesticides/PCBs	Х			MS/MSD	Yes No	NA		
Sp. Conductance: 0.123	uMHOs	Cyanides				Duplicate ID	L155W-007-DUP NA			
рн 7.07	units	TOC				Equipment Rinse ID		WA .		
Turbidity 82.	N.T.U.	Grain Size				Trip Blank ID	Trip Blank	A S		
Clear water, N Low Turb.	Sample Od O	Pescription Sheep	n.		Name: Agency/Com	D: <u>LL5SW-</u> John Jent Dany: USACE -	(CELPL-EK-E Louisville			
DO: 10.68					QA/QC Prov		Fin Luther Kin 40002 - Trip Blanks - Field Blanks S Listed			
Soil sample description should inc		_								
Munsell Color Odor Stainin	-	Sorting Plasticity Mois				8758838 886				
Vater sample description should in Color Odor Sheen Turbia										
ogged By: Shahram T	aberi	(Please Print)			Revie	wed by: Suc i	Boles	(Please Print)		
ignature:					Sign	nature: SueBo	Boles led Date: 0	2/3/05		
						· ·				

Location ID: LL5S	W-0	08-SW	Report			na Army Ammun			
Date: 12/6/04							Character	rization of 14 RVA	AAP AOCs
		, , , , , , , , , , , , , , , , , , , ,	Sa	mpling Inform	ation				,
Source	Grou	ındwater / Product		Surface Wa	ter)	Soi	ls / Sedime	nts / Sludge	
Method	Bailer		Sam	ple Bottle		Scoop		Trowel	
	Pump		Bac	on Bomb		Bowl		Hand Auger	
			P	ristalic Pur	M X	Push Probe		Plastic Liner	
Type/Construction				10141C 101		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: 1115 hrs Sample Depth: 5.38 FT			f MI, # 0	e - MI Grab of increments taken:		Location		n Max -Staked in i	
	below surfac			- Each Day Each	Location				
Field Parameters (at time of sample)		Ana	lytical	Parameters		O	ther Para	ameters	
PID / FID Readings:		VOC	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	K	TPH DRO		Reactivity Sulfide	yanide		
		Explosives	K	Chromium +6		Ignitability			
Sample:	ppm	Propellants	X	Nitrate	4				
Water Level 5.3	8 FT	TAL Metals	X				QA Sam	ıples	/
Temperature 8. U	o °c	Pesticides/PCBs	X			MS/MSD	Yes / No	,	NA
Sp. Conductance: 0.14	7 uMHOs	Cyanides				Duplicate ID			NA
_{рн} 5.57	units	TOC				Equipment Rinse ID			NA
Turbidity 132	N.T.U.	Grain Size				Top Blank ID	Trip	BANK	NA
Clear water. A	Sample	Description	lor		Split Sample	alta anticontrata de la companione de la	Sample		
Low Turb.					Name:			/	
					Agency/Con Address:	ipany:			
DO: 10.42				······································					
								Digital survey.	_
						vided: MS/MSD - Duplicate Same as Above - As		Field Blanks	
				·					
Soil sample description should inc							40		
Munsell Color Odor Stainin		Sorting Plasticity Mois	ture						
Water sample description should in Color Odor Sheen Turbia									
Logged By Shahran T		nia (Please Print)			Revie	wed by: 540	e Bole	5	(Please Print)
Signature:						nature: SuuBe	e Boles Ales	Date: <u>A</u>	3/05
1)									
					* *				

Location ID: 155U	J-DO	9-SW]	Field	d Sampling l	Report			a Army Ammuni	
Date: 12 7 04								Characteri	ization of 14 RVA.	AP AOCs
			,	Sa	mpling Inform	ation				
Source	Gro	undwater / Product	t		Surface Wa	ter	So	ils / Sedimen	ts / Sludge	$\overline{}$
Method	Bailer			Sam	ple Bottle		Scoop		Trowel	
·	Pump			Baco	on Bomb		Bowl		Hand Auger	
				P	ristalicto	me X	Push Probe		Plastic Liner	
Type/Construction							Mattocks			
Miscellaneous	Well Purg Yes - No		200000000000000000000000000000000000000							
Sample Collection (130 hrs		Sample Typ					Location		Map Staked in F	
Sample Depth: 13.2 FT	(below surfac	ce) Decon:			of increments taken: - Each Day Each		-	Estimate	d - Measured - S	surveyed
Field Parameters (at time of sample)			Analy	tical	Parameters		C	other Para	meters	
PID / FID Readings:	ppm	VOC		χ	TPH GRO		Corrosivity			
Background:	SVOC		X	TPH DRO		Reactivity Sulfide/C	yanide			
		X	Chromium +6		Ignitability					
Sample.	ppm	Propellants			Nitrate	X				
Water Level 13.2	FT	TAL Metals		X				QA Sam	ples	
Temperature 11.75	°C	Pesticides/PCBs		X			MS/MSD	Yes / No		NA
Sp. Conductance: 0.175	uMHOs	Cyanides					Duplicate ID			NA
ы 6.24	units	TOC					Equipment Rinse ID			NA
Turbidity 20	N.T.U.	Grain Size					Trip Blank ID	Trip	Blank	NA
Clear water, no Low Turbidity	Mor Sample	e Description , NO She	ln 			Split Sample Name; Agency/Con Address;	e ID:	t Sample		
DO: 11.36			-				vided: MS/MSD - Duplicate Same as Above - As		Field Blanks	
Soil sample description should inc	clude:									
Munsell Color Odor Stainin	ng Texture	Sorting Plasticity	Moistu	re						270
Water sample description should include:						1				
Color Odor Sheen Turbia	lity									
Logged By: Shahram T	Taher	inio (Please P	rint)			Revie	wed by: Sue	Boles		(Please Print)
Signature:						Sign	nature: Suud	Boles	_ Date: 42	3/05

Location ID: LL5S1	Field Sampling Report Ravenna Army Ammunition Plant Characterization of 14 RVAAP AOCs									
Date: 12/7/04							Characteriz	ation of 14 RVA	AP AOCs	
			Sa	mpling Inform	ation					
Source	Grou	indwater / Product		Surface Wa	oceani karan k	Soi	ls / Sediment	s / Sludge		
Method	Bailer		Sam	ple Bottle		Scoop		Trowel		
	Pump		Bacc	on Bomb		Bowl		Hand Auger		
			Pe	ristolic form	o X	Push Probe		Plastic Liner		
Type/Construction						Mattocks				
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: 1000 hrs		Sample Type: Cor				Location	Plotted on	Mag Staked in F	ield	
Sample Depth: 1.3 FT (If MI, # of increments taken: Decon: Dedicated - Each Day - Each Location Estimated - Measured - Surveyed Decon: Dedicated - Each Day - Each Location									
Field Parameters (at time of sample)		Anal	ytical	Parameters		О	ther Parai	neters	/	
PID / FID Readings:		VOC	X	TPH GRO		Corrosivity				
Background:	ppm	SVOC	×	TPH DRO		Reactivity Sulfide/Cy	yanide			
		Explosives	Υ.	Chromium +6		Ignitability				
Sample:	ppm	Propellants		Nitrate	X					
Water Level 11.3	FT	TAL Metals	X				QA Samp	oles		
Temperature 10.	℃ .	Pesticides/PCBs	X			MS/MSD	Yes / No		NA	
Sp. Conductance: O.187	uMHOs	Cyanides				Duplicate ID			NA	
pH (e. (b.3	units	TOC				Equipment Ripse ID		<u> </u>	NA	
Turbidity	N.T.U.	Grain Size				Frip Plank ID	Trip	BANK	NA	
Clear water, r Low Turb.	0 SAMPLE	Pescription NO O	dor		Split Sample Name: Agency/Com Address:		Sample			
DO: 8.76										
Soil sample description should inc	lude:					ided: MS/MSD - Duplicate Same as Above - As		Field Blanks		
Munsell Color Odor Staining Texture Sorting Plasticity Moisture										
Water sample description should in	nclude:									
Color Odor Sheen Turbia										
Logged By: Shahram Signature:	Taher	inia (Please Print)				wed by: Sye ature: Luuk	Boles	Date: 2人る	(Please Print)	

Location ID: LL55w Date: 1/18/	- 011-;	5w	Fiel	d Sampling l	Report			na Army Amm ization of 14 R		
		•	Sa	mpling Inform	ation			** *		
Source	Gro	undwater / Product		Surface Wa	ter	So	ils / Sedimer	ıts / Sludge		
Method	Bailer		Sam	ple Bottle		Scoop		Trowel		
	Pump		Baco	on Bomb		Bowl		Hand Auger		
			TEI	LON DIPPI	ER 1/	Push Probe		Plastic Liner		
Type/Construction						Mattocks				
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: 0940 h		I	fMI,# 0	e - MI - Grab of increments taken: - Each Day Each	Location	Location Plotted on Map Staked in Field Estimated - Measured - Surveyed				
Field Parameters (at time of sample)		Ana	lytical	Parameters		O	ther Para	nmeters		
PID / FID Readings:		voc	1	TPH GRO		Corrosivity				
Background:	Background: SVOC .			TPH DRO		Reactivity Sulfide/C	yanide			
	Explosives			Chromium +6		Ignitability				
Sample:	ppm	Propellants		Nitrate	1					
Water Level -	FT	TAL Metals	1			QA Samples				
Temperature 8.7	. 9 ℃	Pesticides/PCBs	~			MS/MSD	Yes / No		NA	
Sp. Conductance: 0.377	ms/cm	Cyanides	•			Duplicate ID	LL55v	v - 1011-1	UPNA	
_{рн} 7.66	units	TOC		·***		Equipment Rinse ID			NA	
Turbidity Very Low	y n.t.u.	Grain Size				Trip Blank ID	Trip 1	3 hnK	SA OF	
DO: 6.42 mg/	<u>u </u>	Description Leen, Very L	on)	Turbidity	Name: Agency/Com Address:	_{to:} Lldsw- : Tohn Gent	CELPL CE - L			
Soil sample description should in Munsell Color Odor Staini Vater sample description should i Color Odor Sheen Turbi	ng Texture	Sorting Plasticity Moist	ture			ided: MSMSD - Duplicate Same as Above - As		Field Blanks		
ogged By: NILESH SHRIN	1	(Please Print)				ved by: FRI	4 Eu	15 Date: 2	(Please Print)	

Location ID: LL5	s017	-50	Fiel	d Sampling 1	Report		D			
191									Ammunition of 14 RVAAP	
Date://	007							·		-
Source	Gro	undwater / Product	Sa	mpling Inform Surface Wa		Co	ils / Sedime	nta / Climi		
Method	Bailer	undwater / Froduct	Sam	ple Bottle	ICI.	Scoop	us / Scullic	Trowe		
	Pump		-	on Bomb		Bowl		Hand		1-
			-	-	or V	Push Probe		 	Liner	
Type/Construction		/	16.	flow dipp	<u> </u>	Mattocks				
Miscellaneous	Well Puri	zing Form				a.	<u> </u>			<u></u>
Miscellaneous 910 Sample Collection: 910	hrs 11/18/04	Sample Type: Co		- MI - Grab	·	Location	: Plotted or	n Map	taked in Field	<u> </u>
Sample Depth: Juface F	T (below surfa	ce) Decon: Dec		of increments taken: - Each Day Each	Location	·	Estimate	ed - Me	asured - Surv	reyed
Field Parameters (at time of sample)		Ana	lytical	Parameters		О	ther Para	ameter	S	
PID'/ FID Readings:		voc	/	TPH GRO		Corrosivity				
Background:	ppm	SVOC	1	TPH DRO		Reactivity Sulfide/Cy	yanide			
		Explosives	1	Chromium +6		Ignitability			****	
Sample:	ppm	Propellants		Nitrate		,				
Water Level	FT	TAL Metals					QA Sam	ples		
Temperature 9.97	7 °C	Pesticides/PCBs	/	4		MS/MSD	Yes / No)	X	ĪĀ
Sp. Conductance: 0-25	105/Cin	Cyanides				Duplicate ID			N/	A
рн 7.33		TOC				Equipment Rinse ID			N/	
Turbidity Very Low	N.T.U.	Grain Size		·		Trip Blank ID	Trip	15 KV	1K NA	1
DO 6.79	Sample	Description			Split Sample		Sample			/
Clear, No Odo	r, Nos	heari, Very Lor	v T	uchiclity	Name:				/	
~ 5ft of water	in base	ment			Agency/Com Address:	ipany:			f^{-}	
							1.74.75	/		7
					OA/OC Prov	rided: MS/MSD - Daplicate	Trip Blanks -	Field Blan	ks.	
		•				Same as Above - As				
						12.100.00 (0.100.00)				
Soil sample description should i	include:									
Munsell Color Odor Stair		Sorting Plasticity Moist	ure							
Vater sample description should										
Color Odor Sheen Turl	bidity									
ogged By: Michael	Samely	(Please Print)			Reviev	wed by: FRIC	<u> ک</u> امان		(Please	Print)
ignature: Wichail	SAL	····			Sign	ature: <u>66</u>		Date	: 2/3/0	5_

Location ID: 115 St	N-0	13-5W	Field	d Sampling R	Repor	t			a Army Ammunitie	
Date: 11/18/04							Ci	iaracteri	zation of 14 RVAA	P AOCs
			Sa	mpling Informa	tion					
Source	Grou	ndwater / Product		Surface Wat			Soils /	Sedimen	ts / Sludge	
Method	Bailer		Sam	ple Bottle			Scoop		Trøwel	
	Pump		Bacc	on Bomb			Bowl		Hand Auger	
						-1.7	Push Probe		Plastic Liner	
Type/Construction					*****		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection:hrs		Sample Type: Cor		- MI - Grab		شد			Map - Staked in Field - Staked - St	
Sample Depth: FT (b	oelow surfac			- Each Day - Each	Location	n		Limate	d Medsured St	
Field Parameters (at time of sample)		Anal	ytical	Parameters		_	Oth	er Para	meters	/
PID / FID Readings:		voc		TPH GRO			Corrosivity			
Background:	ppm	SVOC		TPH DRO			Reactivity Sulfide/Cyan	ide		
/		Explosives		Chromium +6			Ignitability			
Sample:	ppm	Propellants		Mitrate						
Water Level	FT	TAL Metals					/Q	A Sam	ples	
Temperature	°C	Pesticides/PCBs					MS/MSD Y	es / No		NA
Sp. Conductance:	uMHOs	Cyanides					Duplicate ID			NA
рН	units	тос					Equipment Rinse ID			NA
Turbidity	N.T.U.	Grain Size				arnaarn.	rip Blank ID	7-5	13	NA
	Sample	Description			Name	cy/Con	Split Sa	mple		
No Wat No Samp	er p	resent collected					vided: MS/MSD - Duplicate - Ti Same as Above - As Lis		Field Blanks	
Soil sample description should inc	lude:									
Munsell Color Odor Stainin	ng Texture	Sorting Plasticity Moist	ture	Ì						
Water sample description should in	nclude:					/				
Color Odor Sheen Turbia								1	• .	· · · · · · · · · · · · · · · · · · ·
	Vano	220 (Please Print)					ewed by: Sue B	oles)	7.7	lease Print)
Signature:		7				Sig	nature: SUUDO		Date: J/2	1/02

Location ID: 11/5vv	001 - 001 - < Bue	·w	Fiel	d Sampling	Report				mmunition 14 RVAAP	
			Sa	mpling Inform	ation	· · · · · ·				
Source	Gro	undwater / Product	1	Surface W	ater	So	ils / Sedimer	its / Sludge	;	
Method	Bailer		Sam	ple Bottle	33 Z	Scoop		Trowel		1
	Pump		Bace	on Bomb		Bowl		Hand Au	ıger	
		/	541	ハビヤモ すいら	16 V	Push Probe		Plastic L	iner	
Type/Construction	/	/		CISTALL PA		Mattocks			-	
Miscellaneous	Well Purg	ing Form				<u> </u>				
Sample Collection: 1350 hrs Sample Type: Composite - MI - Gr If MI, # of increments tal Sample Depth: 20 FT (below surface) Decon: Dedicated - Each Day - I					:	Location	e: Clotted or Estimate		ked in Field ired - Surv	
Field Parameters (at time of sample)		Ana	lytical	Parameters	a.	O	ther Para	meters		
PID / FID Readings:		voc	/	TPH GRO		Corrosivity				
Background:	ppm	SVOC	/	TPH DRO		Reactivity Sulfide/C	yanide			
		Explosives	/	Chromium +6		Ignitability				
Sample:	ppm	Propellants	1	Nitrate	/					
Water Level 0.25	FT	TAL Metals	1				QA Sam	ples		
Temperature 5.4	ా	Pesticides/PCBs	V			MS/MSD	Yes / No		N	IA.
Sp. Conductance: 0,180) uMHOs	Cyanides				Duplicate ID			N.A	4
pH 6.8/	units	TOC				Equipment Rinse ID		~ /	NA	1
Turbidity 543	N.T.U.	Grain Size				Trip Blank ID	Trip	3 km	K NA	1
CLEAR	Sample	Description			Split Sample		Sample	174	,	/
NO ODOR NO SHEEN					Name:				\mathbb{Z}	
LOWICLEAR TURBIDE	<u>TY</u>				Agency/Com Address:	ряпу:	-8.5	1		
						713		/		
		·				ided; MS/MSD-Duplicate Same as Above – As		Field Blanks		
								100		
							To an a			
Soil sample description should inc										
Munsell Color Odor Staini		Sorting Plasticity Moist	ture							
Vater sample description should i										
Color Odor Sheen Turbio							12-10-			
- 4	<u>ル15</u>	(Please Print)				ved by:	30100 Salaa	<u> </u>	OF BFO	ii
gnature:					Sign	ature: <u>AUU</u>	10-00	Date:	12010	ာ ။

Location ID:		102-5W	Field	l Sampling I	Report			a Army Ammuni ization of 14 RVA	
			Sa	mpling Inform	ation	2		4.	
Source	Gro	undwater / Product	/	Surface Wa		Soi	ls / Sedimen	rts 7 Sludge	
Method	Bailer		Sam	ole Bottle	The second	Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl		Hand Auger	
			750	acauc Pani		Push Probe		Plastic Liner	
Type/Construction	/	/	, ,			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form				-40	sech	ments	ERE
Sample Collection: 100 hrs	If MI, # of increment				•	Location		Map (Staked in F	
Sample Depth: 14, 8 LFT ((below surfac	ce) Decon: Dec	licated	- Each Day - Each	Location				
Field Parameters (at time of sample)			lytical	Parameters		0	ther Para	meters	
PID'/FID Readings:		voc S	8	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/Cy	varide		
		Explosives	X	Chromium +6		Ignitability			
Sample:	ppm	Propellants	×	Nitrate	ナ				
Water Level 14.82	FT	TAL Metals	×				QA Sam	ples	/
Temperature 9.9	°C	Pesticides/PCBs	>			MS/MSD	Yes / No		NA
Sp. Conductance: 0.211	uMHOs	Cyanides				Duplicate ID			NA
рн 6.27	- units	TOC				Equipment Rinse ID			NA
Turbidity	N.T.U.	Grain Size			(Trip Drank ID	Trip	BANK	NA
- Clear mate		e Description YO COLOR O TWO CL	ty		Split Sample Name: Agency/Com Address:	D:	Sample		
	.60					ided: MS/MSD - Duplicate Same as Above As		Field Blanks	
Soil sample description should inc	clude:								
Munsell Color Odor Staini	ng Texture	Sorting Plasticity Mois	ture						
Water sample description should i	include:								
Color Odor Sheen Turbi	dity				/				
Logged By: Shi N Signature:	and the second s	(Please Print)				wed by: FRUC nature: Elle	Eus L	Date:	(Please Print)

Location ID: 12/07/0) - 002 - 4	. Sw	Fiel	d Sampling	Report			a Army Ammun zation of 14 RV	
			Sa	mpling Inform	ation				
Source	Gro	undwater / Product	/	Surface Wa	iter	So	ils / Sedimen	ts / Sludge	
Method	Bailer	X	Sam	ple Bottle	Ļ	Scoop		Trowel	
	Pump		Baco	on Bomb		Bowl		Hand Auger	
			56	ooP		Push Probe		Plastic Liner	
Type/Construction		/				Mattocks			
Miscellaneous	Well Puri	ing Form	2 de 19						
Sample Collection: 0915 Sample Depth: 4.82		Sample Type:	If MI, # c	- MI - Grab of increments taken: - Each Day - Each		Location	Plotted on Estimated	Map Staked in l	Field Surveyed
Field Parameters (at time of sample)		Aı		Parameters	And the second second		ther Para	meters	/
PID / FID Readings:		VOC	Xen	TPH GRO		Corrosivity			
Background:	ppm	SVOC	-X	TPH DRO		Reactivity Sulfide/C	yanide		
		Explosives	*	Chromium +6		Ignitability			
Sample:	ppm	Propellants	X	Nitrate	X				
Water Level	EP	TAL Metals	-X**	ONLY			QA Samj	oles	
Temperature	°c	Pesticides/PCBs	大學			MS/MSD	Yes / No		NA
Sp. Conductance:	uMHOs	Cyanides				Duplicate ID			NA
рН	units	TOC				Equipment Rinse ID			NA
Turbidity	N.T.U.	Grain Size				To Blank ID	Trop	5)	NA
NO COLOR N	Sample O ODOK	Description NO SHEEN	1		Split Sample Name: Agency/Con Address:	e ID:	Sample		
oil sample description should		tuns			QA/QC Prov Parameters:	vided: MS/MSD - Dimplate Same as Above - As	Trip Blanks = Listed	Pield Blanks	
Munsell Color Odor Sta		Sorting Plasticity Mo	isture						
ater sample description shoul	ld include:								
Color Odor Sheen Tur	bidity			X					
gged By: NILESH SHI	Λ	(Please Print)			wed by:	EUS		Please Print)
gnature: Whoma and	me		·		Sign	nature: <u>A</u>	<u> </u>	_ Date: _2/4	<u> </u>

Location ID:	75W -	003-sm	Fiel	d Sampling l	Report			na Army Amm ization of 14 R	
			Sa	mpling Inform	ation			ale	
Source	Gro	undwater / Product		Surface Wa	ie ?)	So	ils (Sedime n	****	
Method	Bailer		Sam	ple Bottle		Scoop		Trowel	
	Pump		Baco	on Bomb		Bowl		Fland Auger	
			PH	4strac Ru	ma lu	Push Probe		Plastic Liner	
Type/Construction		/		1950	1	Mattocks			
Miscellaneous	Wed Purg Yes - No	ing Form				-	No	Sedime	TIS PAGE
Sample Collection: 1315 hr Sample Depth: 15 FT	s (below surface		IfMI,#	e - MI - Grab of increments taken: - Each Day - Each	Location	Location		Map Staked d - Measured	
Field Parameters (at time of sample)		Ana	lytical	Parameters		O	ther Para	ameters	
PID / FID Readings:		VOC	X	TPH GRO		Corrosivity			
Background:	ppm	svoc	×	TPH DRO		Reactivity Sulfide/Cy	yanide		
		Explosives	×	Chromium +6		Ignitability			
Sample:	ppm	Propellants	X	Nitrate	×				
Water Level 15	FT	TAL Metals	×				QA Sam	ples	
Temperature 11 °	°C	Pesticides/PCBs	X			MS/MSD	Yes / No		NA
Sp. Conductance: 0 -101	uMHOs	Cyanides				Duplicate ID	VUT	SW-003-	- DUPIA
рн 7.34	units	TOC		<u></u>		Equipment Rinse ID			(NA)
Turbidity ().O	N.T.U.	Grain Size				Trip Blank ID	VT	rip Blan	/ NA
Do =901 Flowing was	te y			herbidet	Name: Agency/Com Address: Agency/Com Agency/Com Address: Agency/Co	т: LL 71981	Trip Blanks -	Field Blanks	
Munsell Color Odor Stainii	ng Texture	Sorting Plasticity Mois	ture						
Vater sample description should i	include:								
Color Odor Sheen Turbio	dity								
ogged By: Sudhecy ignature: & Sw		(Please Print)				ved by: EXIC E	<u> </u>	Date: 24	(Please Print)

Location ID:	7 SW - (∞4-5W	Fiel	d Sampling I	Report			na Army Ammunition ization of 14 RVAAP	
Date: 12/03	104						Character	Lation of 14 KVAA1	AUCS
			Sa	mpling Inform	ation				
Source	Gro	undwater / Product	,	(Surface Wa	ter	Soi	ls / Sedime	nts / Sludge	
Method	Bailer		San	ple Bottle		Scoop		Trowel	1
	Pump		Bac	on Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg Yes - No								
Sample Collection:	hrs			e - MI - Grab	<u> </u>	Location		n Map - Staked in Field	
Sample Depth:	_FT (below surface			of increments taken: - Each Day - Each			Estimate	ed - Measured - Surv	veyed
Field Parameters (at time of sample)	/	Ana	lytical	Parameters		О	ther Par	ameters	
PID / FID Readings:		VOC		TPH GRO		Corrosivity			T
Background:	ppm	SVOC		TPH DRO		Reactivity Sulfide/Cy	anide		1
/		Explosives		Çhromium +6		Ignitability			
Sample:	ppm	Propellants	1	Nitrate					+
Water Level	FT	TAL Metals					QA Sam	ples	
Temperature	°C	Pesticides/PCBs				MS/MSD	Yes / No		NA.
Sp. Conductance:	иМНОs	Cyanides				Duplicate ID		N	A
рН	units	тос				Equipment Rinse ID		N ₂	A
Turbidity	N.T.U.	Grain Size				Trip Blank ID		NA	A
No S		Pesent Callecter			QA/QC Prov	· ID:	Trip Blanks	Field Blanks	
Soil sample description shoul Munsell Color Odor Si Water sample description sho Color Odor Sheen T	taining Texture	Sorting Plasticity Mois	ture				Apoles Apoles		
lignature:	s Pano	(Please Print)				wed by: Sale ature:	Boles Bolis	Date: 03/23	e Print)
79		10	77.	•					

Location ID:	W-00	5-5W	Fi	ield Sampling Repo	ort		Ravenna Army Ar Characterization of 1	
Date: 12/03/0	4						Character Patron V. 1	THIAM MOO
		<u> </u>		Sampling Information	n		(A)	
Source	Gro	undwater / Product	2	Surface Water)	Soi	ils Sediments / Sludge	/
Method	Bailer		7 5	Sample Bottle		Scoop	Trowel	
	Pump		Ti	Bacon Bomb		Bowl	Hand Au	ger
						Push Probe	Plastic Li	iner
Type/Construction		/				Mattocks		
Miscellaneous	Well Purg Yes - No							
Sample Collection: hrs	s	Sample Type:		osite - MI - Grab , # of increments taken:		Location	: Plotted on Map - Stak Estimated - Measu	
Sample Depth: FT	(below surface	ce) Decon:		, # of increments taken: ted - Each Day - Each Loca	ition		Estillated From	ired - Surveyed
Field Parameters (at time of sample)		A	nalyti	cal Parameters		O	Other Parameters	
PID / FID Readings:		VOC		TPH GRO		Corrosivity		
Background:	ppm	SVOC		TPH DRØ		Reactivity Sulfide/C	yanide	
		Explosives		Chromium +6		Ignitability		
Sample:	ppm	Propellants		Nitrate				
Water Level	FT	TAL Metals	\mathcal{X}				QA Samples	
Temperature	°C	Pesticides/PCBs	+			MS/MSD	Yes / No	NA
Sp. Conductance:	иMHOs	Cyanides				Duplicate ID		NA
рН	units	тос				Equipment Rinse ID		NA
Turbidity	N.T.U.	Grain Size				Trip Blank ID		NA
No i		ple colle	t-	Na Ag Ad	idress:	ID:		
Soil sample description should inc Munsell Color Odor Stainii		Sorting Plasticity M	<i>loisture</i>					
Water sample description should i	include:							
Color Odor Sheen Turbio	dity							
Logged By: James	Pani	0220_(Please Prir	nt)		Reviev	wed by:		(Please Print)
Signature:	3				Sign	nature:	Date:	

										
Location ID: 12 75v	1-00	6-SW	Field	l Sampling R	Report				mmunition 44 RVAAP	
Date: \2/3/6	24									
			Sai	mpling Informa	ition			· · · · · · · · · · · · · · · · · · ·		
Source	Grou	ındwater / Product		Surface Wat	er)	Soi	ls / Sedime n	ts/Sludge	·	
Method	Bailer		Sam	ple Bottle		Scoop		Trowel		
	Pump		Baco	n Bomb		Bowl		Hand Au	ıger	
			Pitte	estauc Pu	ne V	Push Probe		Plastic L	iner	
Type/Construction						Mattocks		<u></u>		
Miscellaneous	Well Purg	ing Form					NO	Sedi	ment-1	
Sample Collection: 0730 hrs	3	Sample Type: Con				Location	: Plotted on		ked in Field ured - Surv	
Sample Depth: \\ \(\) . \(\frac{\gamma}{2} \) FT ((below surfac	ce) Decon: Dec		of increments taken: - Each Day - Each	Location		Estimate	d - Ivicasi	urea - Surv	eyeu
Field Parameters (at time of sample)	Parameters		O	ther Para	meters					
PID / FID Readings:	/	VOC	\times	TPH GRO		Corrosivity				
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/Cy	/apride			
		Explosives	X	Chromium +6		Ignitability				
Sample:	ppm	Propellants	X	Nitrate	3					
					 					
Water Level 10.	B FT	TAL Metals	X				QA Sam	ples		
Water Level 10.3		TAL Metals Pesticides/PCBs	×			MS/MSD	QA Sam		N	'A
Temperature 10.3 Sp. Conductance: 0.12	°C ¶ uMHOs					Duplicate ID			N NA	
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29	°C uMHOs	Pesticides/PCBs				Duplicate ID Equipment Ripse ID	Yes / No		NA NA	1
Temperature 10.3 Sp. Conductance: 0.12	°C uMHOs	Pesticides/PCBs Cyanides				Duplicate ID			NA NA	\ \
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29	°C uMHOs units N.T.U.	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>		Split Sample	Duplicate ID Equipment Rinse ID Tim Blank ID Split	Yes / No		NA NA	\ \
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29	°C uMHOs units N.T.U.	Pesticides/PCBs Cyanides TOC Grain Size		en	Split Sample	Duplicate ID Equipment Rinse ID Tim Blank ID Split	Yes / No		NA NA	\ \
Temperature 10.3 Sp. Conductance: 0.12 pH 5.26 Turbidity 0.0	uMHOs units N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>	en	-	Duplicate ID Equipment Rinse ID Fine Blank ID Split	Yes / No		NA NA	\ \
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0	uMHOs units N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>	en	Name: Agency/Con	Duplicate ID Equipment Rinse ID Fine Blank ID Split	Yes / No		NA NA	\ \
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0	uMHOs units N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>	en	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Fin Blank ID Splin ID:	Yes / No TYip Sample	Blau	NA NA	1
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0	uMHOs units N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>	en	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Fine Blank ID Split	Yes / No TY in Sample	Blau	NA NA	1
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0	uMHOs units N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>	en	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Fin Blank ID Split ID: Apany:	Yes / No TY in Sample	Blau	NA NA	1
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0	uMHOs units N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>	en	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Fin Blank ID Split ID: Apany:	Yes / No TY in Sample	Blau	NA NA	1
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0	umits N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size	<i>X</i>	en	Name: Agency/Con Address: QA/QC Prov	Duplicate ID Equipment Rinse ID Fin Blank ID Split ID: Apany:	Yes / No TY in Sample	Blau	NA NA	1
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0	q uMHOs umits N.T.U. Sample	Pesticides/PCBs Cyanides TOC Grain Size Pescription	She	en	Name: Agency/Con Address: QA/QC Prov	Duplicate ID Equipment Rinse ID Fin Blank ID Split ID: Apany:	Yes / No TY in Sample	Blau	NA NA	1
Temperature 10.3 Sp. Conductance: 0.12 pH 5.29 Turbidity 0.0 Clear water NO Ting by M. Soil sample description should income.	q uMHOs units N.T.U. Sample clude:	Pesticides/PCBs Cyanides TOC Grain Size Pescription	She	en	Name: Agency/Con Address: QA/QC Prov	Duplicate ID Equipment Rinse ID Fin Blank ID Split ID: Apany:	Yes / No TY in Sample	Blau	NA NA	1
Temperature 10.3 Sp. Conductance: 0:12 pH 5.29 Turbidity 0.0 Chelix water NO Tink bill Soil sample description should income the sample description of the sample descri	q uMHOs norts N.T.U. Sample clude: clude: ing Texture include:	Pesticides/PCBs Cyanides TOC Grain Size Pescription	She	en	Name: Agency/Con Address: QA/QC Prov	Duplicate ID Equipment Rinse ID Fin Blank ID Split ID: Apany:	Yes / No TY in Sample	Blau	NA NA	1
Sp. Conductance: 0:12' pH 5.2' Turbidity 0.0 Chelin Make: Munsell Color Odor Staint Water sample description should in	with the second of the second	Pesticides/PCBs Cyanides TOC Grain Size Pescription O O O O O O O O O O O O O O O O O O O	She	en	Name: Agency/Con Address: QA/QC Pro Parameters:	Duplicate ID Equipment Rinse ID Fin Blank ID Split ID: Apany:	Yes / No TY io Sample Pip Blanks Listed	B Jau	NA NA	\ \

Carried States

Location ID: LL75w	-006-5	W	Fiel	d Sampling I	Report			na Army Ammunitic	
Date: 12/07/04					,		Спагастег	TZZUOH OI 14 KVAA	r AUCs
			Sa	mpling Inform	ation			, , ,	
Source	Gro	undwater / Product	4	(Surface Wa	ter)	So	ils / Sedime	nts / Sludge	
Method	Bailer		Sam	ple Bottle	1	Scoop		Trowel	7
	Pump		Baco	on Bomb		Bowl		Hand Auger	
			50	٥٥٢.	1	Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form			100				
Sample Collection: 1657 Sample Depth: 10.8	hrs FT (below surface	Sample Type: C	If MI, # o	e - MI - Grab of increments taken: - Each Day - Each	Location	Location	Plotted or Estimate	n Map Staked in Fie d - Measured - Su	ld rveyed
Field Parameters (at time of sample)		Ana	alytical <i>G</i> r	Parameters		O	ther Para	ameters	
PID'/ FID Readings:		VOC	*	TPH GRO		Corrosivity			
Background:	ppm	svoc	*	TPH DRO		Reactivity Sulfide/C	yanide		
		Explosives	Xou	Chromium +6		Ignitability			
Sample:	ppm	Propellants	* CAG	Nitrate	×				
Water Level	FT	TAL Metals	*				QA Sam	ples	
Temperature	°c	Pesticides/PCBs	XER			MS/MSD	Yes / No		NA
Sp. Conductance:	uMH0s	Cyanides	<u> </u>			Duplicate ID		N	ÑΑ
рН	units	TOC				Equipment Ripse ID			NA
Turbidity	N.T.U.	Grain Size				Trip Blank ID		N	IA.
NO ODOR 1	Sample NO SHEEN	Description			Split Sample		Sample		
					Name: Agency/Con	ipany:		The Carrier	
					Address:		_/		
					1000000		/		
						ided: MS/MSD=Duplicate - Same as Above - As		Field Blanks	
_								140	
- PESSAPUE	OF NITH	MR 0004						A CONTRACT OF STREET	
Soil sample description should	d include:				/				
Munsell Color Odor St	aining Texture	Sorting Plasticity Moi.	sture				117		
Vater sample description shot					/				
Color Odor Sheen Ti									
(1	carpine	(Please Print)			Revie	wed by:	FUS	1.1	ase Print)
gnature: NILES W	SHRING	ARPURC			Sign	ature: SKELL		_ Date: 245	15

Location ID:	1-0:	07-SW	Field	l Sampling F	Report			my Ammunition on of 14 RVAAP A	
Date: 12/97/	04t								
· .			Sai	mpling Informa	ıtion				
Source	Grou	ındwater / Product		Surface War	ei	Soi	ls / Sediments / S	Sludge	
Method	Bailer		Sam	ple Bottle		Scoop	Tre	owel	
	Pump		Baco	n Bomb		Bowl	Há	nd Auger	
			1766	astacic Du	w V	Push Probe	Pla	astic Liner	
Type/Construction				1975		Mattocks			
Miscellaneous	Well Purg	ing Form							
Sample Collection: 100 hrs	s	Sample Type: Co	mposite	- MI - Grab)	Location		Staked in Field Measured - Surve	
Sample Depth: 10.58 FT	(below surfac	ce) Decon: Dec		of increments taken: - Each Day - Each	Location		Estimated -	Measured - Surv	
Field Parameters (at time of sample)	d Parameters ne of sample) Analytical Parameters						ther Parame	ters	
PID / FID Readings:		voc	×	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/Cy	yanide		
		Explosives	X	Chromium +6		Ignitability			
8ample:	ppm	Propellants	X	Nitrate	X				
			1	Ī .					
Water Level	g FT	TAL Metals	X				QA Samples	S	
Temperature 9.7	~ °C	TAL Metals Pesticides/PCBs	X			MS/MSD	QA Samples Yes / No		IA.
Temperature 9.7	~ °C					MS/MSD Duplicate ID	T		
Temperature 9,7 Sp. Conductance: 0,108 pH 6,70	~ °C	Pesticides/PCBs				Duplicate ID Equipment Rinse ID	Yes / No	N NA	A
Temperature 9.7	- °C g uMHOs	Pesticides/PCBs Cyanides				Duplicate ID	T	N NA	A
Temperature 9.7 Sp. Conductance: 0.108 pH 6.70	units N.T.U. Sampl	Pesticides/PCBs Cyanides TOC Grain Size e Description	X	een	Split Sample Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split	Yes / No	N NA	A
Temperature 9.7 Sp. Conductance: 0.108 pH 6.70 Turbidity 0.0	units N.T.U. Sampl	Pesticides/PCBs Cyanides TOC Grain Size e Description	X	een	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Split	Yes / No Ty i Blanks - Field	NA NA NA Blank NA	A
Temperature Sp. Conductance: 0.10% pH 6 7 9 Turbidity 0.0 VO 1 1 5 1 6 10 0 6 8 9	units N.T.U. Sampl	Pesticides/PCBs Cyanides TOC Grain Size e Description	, sh	een	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Splite ID: ipany:	Yes / No Ty i Blanks - Field	NA NA NA Blank NA	A
Temperature Sp. Conductance: 0.10% pH 6 7 9 Turbidity 0.0 VO TW5 10.6 Soil sample description should in Munsell Color Odor Stain	units N.T.U. Sample Sample Active:	Pesticides/PCBs Cyanides TOC Grain Size e Description	, sh	een	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Splite ID: ipany:	Yes / No Ty i Blanks - Field	NA NA NA Blank NA	A
Sp. Conductance: 0.10% pH 6 7 0 Turbidity 0.0 Vo Two lor of the state of the stat	units N.T.U. Sampl Colude: ing Texture include:	Pesticides/PCBs Cyanides TOC Grain Size e Description	, sh	een	Name: Agency/Con Address:	Duplicate ID Equipment Rinse ID Trip Blank ID Splite ID: ipany:	Yes / No Ty i Blanks - Field	NA NA NA Blank NA	A
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	units N.T.U. Sampl Colude: ing Texture include:	Pesticides/PCBs Cyanides TOC Grain Size e Description 2 Od DS A	, sh	een	Name: Agency/Con Address: OA/OC Pro Parameters:	Duplicate ID Equipment Rinse ID Trip Blank ID Split e ID: ipany: vided: MS/MSD - Duplicate Same as Above - A	Yes / No Ty in Blanks - Field Listed	NA NA NA NA Blan (NA	A A A
Sp. Conductance: 0.108 pH 6 120 Turbidity 0.0 Turbidity 0.0 Soil sample description should in Munsell Color Odor Stain Water sample description should	units N.T.U. Sampl Colude: ing Texture include:	Pesticides/PCBs Cyanides TOC Grain Size e Description	, sh	een	Name: Agency/Con Address: QA/QC Pro Parameters:	Duplicate ID Equipment Rinse ID Trip Blank ID Split e ID: ipany: vided: MS/MSD - Duplicate Same as Above - A	Yes / No Ty Blanks - Field Listed	NA NA NA NA Blan (NA	A A

Location ID: LL7 St Date: 12/07/	N-007-	·sw·	Field	d Sampling I	Report			a Army Amm zation of 14 R	
			Sa	mpling Inform	ation				
Source	Gro	undwater / Product	/	Şurface Wa	ter)	Soi	ls / Sedimen	ts / Sludge	
Method	Bailer		Sam	ple Bottle	W	Scoop		Trowel	
	Pump		Bacc	n Bomb		Bowl		Hand Auger	
			(E)	4STALL PUM	o V	Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: 0930hrs Sample Type: Composite - MI - Grab If MI, # of increments taken: Sample Depth: 10-50 FT (below surface) Decon: Dedicated - Each Day Each Location Location: Plotted on Map (Staked in Field Estimated - Measured - Surveyed)									
Field Parameters (at time of sample) Analytical Parameter						О	ther Para	meters	
PID'/ FID Readings:		VOC	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/Cy	vanide		
	İ	Explosives	X	Chromium +6		Ignitability			
Sample:	ppm	Propellants	X	Nitrate	X				
Water Level	FT	TAL Metals	*	<i></i>			QA Sam	ples	
Temperature	, c	Pesticides/PCBs	X			MS/MSD	Yes / No		NA
Sp. Conductance:	uMHOs	Cyanides				Duplicate ID			NA
рН	units	TOC				Equipment Rinse HD			NA
Turbicity	N.T.U.	Grain Size				Trip Blank ID		2044-14-15-20400112-27-1000000000	NA
NO COLOR NO		e Description) SHEEN			Split Sample	ID:	Sample		
					Agency/Con Address:	pany.			
- resonance		ME ONW				vided: MS/MSD - Duplicate Same as Above - //S	Listed		
oil sample description should include:						/			
Munsell Color Odor Staining Texture Sorting Plasticity Moisture					كرراتات			Maria de la companya	
ater sample description should include:					/				
	Color Odor Sheen Turbidity								
ogged By: NILESH S ignature: Maring any	FIRINGARP	(Please Print)			Revie	wed by: FRC	EUIS		(Please Print)
mature. Alline arend	rur				Sign	nature:	_	Date: 2	14105

Location ID: LL751 Date: 1212 C	N- 008	s-SW	Fiel	d Sampling l	Report			na Army An ization of 14		
			Sa	mpling Inform	ation		•			<u> </u>
Source	Gro	undwater / Product		Surface Wa	ારે	Soi	ils / Sedime	nts / Sludge		/
Method	Bailer		Sam	ple Bottle		Scoop		Trowel		
	Pump		Bac	on Bomb		Bowl		Hand Aug	er	
			PE	ASTALL RU	up V	Push Probe		Plastic Lin	er	
Type/Construction				100 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m	1, 1	Mattocks				
Miscellaneous	Well Purg Yes - No	ing Form	19.79							
1000				of increments taken:	Location	Location	Plotted or Estimate	Map Stake d - Measur	ed in Field ed - Surv	eyed
Field Parameters (at time of sample) Analytical Paramete						О	ther Para	ımeters		/
PID / FID Readings:		VOC	X	TPH GRO		Corrosivity				
Background:	ppm	SVOC	×	TPH DRO		Reactivity Sulfide/Cy	yanide		VI	
		Explosives	X	Chromium +6		Ignitability				
Sample:	ppm	Propellants	×	Nitrate	×					
Water Level 10	FT	TAL Metals	×				QA Sam	ples		
Temperature	~ ლ	Pesticides/PCBs	×			MS/MSD	Yes / No		N	Α
Sp. Conductance: 0.09	S uMHOs	Cyanides				Duplicate ID			NA	<u> </u>
pH 7.14	units	TOC	1			Equipment Kinse ID		7.	NA	L
Turbidity 0 · O	N.T.U.	Grain Size				Trip Blank ID	Trip	Blan	(NA	
clear water	Sample NO Oc	Description No She	en,	NO	Split Sample Name: Agency/Com	ID:	Sample			1
Flowing in	on les				Address: QA/QC Prov	ided; MS/MSD-Duplicat Same as Above As		Field Blanks		
oil sample description should in Munsell Color Odor Stain. Vater sample description should Color Odor Sheen Turb	ing Texture include:		sture							
gnature: Sudhees	elln.	(Please Print)			Reviev Signa	ved by: Seic ature: Seich	EUS	Date:	(Please 2/4/05	-

Location ID: LL7SV Date: 12/2/0	v-00°	7-SW_	Field	d Sampling I	Report			na Army Ammization of 14 R	
			Sa	mpling Inform	ation				
Source	Gro	ındwater / Product		: - Gurface Wa	ter 🕽	Soi	ls / Sedimen	nts / Sludge	
Method	Bailer		Sam	ple Bøttle		Scoop		Trowel	
	Pump		Bacc	n Bomb		Bowl		Hand Auger	
			16	ustauc Rum	, /	Push Probe		Plastic Liner	
Type/Construction				W 10 10 10 10 10 10 10 10 10 10 10 10 10		Mattocks			
Miscellaneous	Well Purg	ing Form							
Sample Collection: 1450 hrs Sample Type: Composite - MI - Grab Location: Plotted on Map							Map Staked i	in Field Surveyed	
Field Parameters (at time of sample)		Ana	ytical	Parameters		О	ther Para	nmeters	
PID'/ FID Readings:		VOC	×	TPH GRO		Corrosivity			
Background:	ppm	SVOC	×	TPH DRO		Reactivity Sulfide/Cy	anide		
		Explosives	'×'	Chromium +6		Ignitability			
Sample:	ppm	Propellants	×	Nitrate	×				
Water Level &	FT	TAL Metals	×				QA Sam	ples	
Temperature 10.3	3 °€	Pesticides/PCBs	×			MS/MSD	Yes / No		NA
Sp. Conductance: 0,071	uMHOs	Cyanides			·	Duplicate ID			NA
pH 7·1	units	тос				Equipment Rinse ID			NA
Turbidity 39	N.T.U.	Grain Size				Krin Blank ID	Trip	Blank	NA
clear water, No od 1000 turbidity 00-85 Stillwa						ID: dates		Field Blanks	
Soil sample description should inc	clude:				11.21				
Munsell Color Odor Staini	ng Texture	Sorting Plasticity Moist	ure		/	1.00 17.40			
Water sample description should include:					1	2012			
Color Odor Sheen Turbi	dity								
ogged By: Sudhoer Signature: & Sw	Gnb W	(Please Print)				wed by: Euc	Eus	Date: '2	(Please Print)

Location ID: 227		×10-5W		Field Sampling	g Repor	' t			na Army Ammuniti ization of 14 RVAA	
Date: \alpha / \cup \alpha /	07			Compling Infor	metion					
Source	Grov	ındwater / Produ	nt	Sampling Infor			Soi	ls / Sedimei	nts / Sludge	
Method	Bailer	indwater / 110du		Sample Bottle			Scoop		Trowel	\frown
_	Pump			Bacon Bomb	/		Bowl		Hand Auger	
		_/					Push Probe		Plastic Liner	
Type/Construction		<u>/</u>					Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							-	
Sample Collection: 1/A			If:	mposite - MI - Gral MI, # of increments take	en:		Location		n Map - Staked in Fi ed - Measured - S	
Field Parameters	FT (below surface	Deco		icated - Each Day - Ea ytical Parameters	ach Locatio	on	O	ther Para	ameters	
(at time of sample) PID / FID Readings:		VOC		TPH GRO			Corrosivity			
Background:	ppm	SVOC		TPH DRO			Reactivity Sulfide/Cy	yanide		
/	/	Explosives		Chromium +6			Ignitability			
Sample:	ppm	Propellants		Nitraté						
Water Level	FT	TAL Metals						QA Sam	iples	
Temperature	°C	Pesticides/PCB	s				MS/MSD	Yes / No	` /	NA
Sp. Conductance:	uMHOs	Cyanides					Duplicate ID			NA
pH	units	тос					Equipment Rinse ID			NA
Turbidity	N.T.U.	Grain Size					Trip Blank ID			NA
No () No () Soil sample description shoul Munsell Color Odor St Water sample description sho	Vafer Sample Idinclude:	Preserving Plasticia			Name Agen Addr	cy/Com ess:			- Field Blanks	
Color Odor Sheen T	Color Odor Sheen Turbidity									
Logged By: Signature:	pas 3.	(Please	Print)				wed by: SUE	Boles les	Date: 03/2 8	lease Print)
							/*)			,,

Location ID: LL75 Date: 10000	500-011 004	~5W_	Field	l Sampling l	Report		Raven Character	na Army Ammuniti ization of 14 RVAA	ion Plant AP AOCs
	,		Sai	mpling Inform	ation				
Source	Gro	undwater / Product		Surface Wa	iter	Soi	ls / Sedime	nts / Sludge	
Method	Bailer		Samı	ple Bottle	义	Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction					1	Mattocks			<
Miscellaneous	Well Purg Yes - No							The state of the s	
Sample Collection: // OB hrs Sample Type: Composite - MI - Grab If MI, # of increments taken: Sample Depth: Sample Depth: Sample Peth: Sample FT (below surface) Sample Depth: Sample Depth: Sample Depth: Sample Depth: Sample Depth: Decon: Dedicated Each Day - Each Location							eld) urveyed		
Field Parameters Analytical Paramet (at time of sample)						O	ther Para	ameters	
PID / FID Readings:		VOC		TPH GRO		Corrosivity			
Background:	ppm	SVOC		TPH DRO		Reactivity Sulfide/C	yanide		
		Explosives	7	Chromium +6		Ignitability			
Sample:	ppm	Propellants		Nitrate	1				
Water Level ~ (o	FT	TAL Metals					QA Sam	ples	
Temperature 7.	8 °c	Pesticides/PCBs				MS/MSD	Yes / No		NA
Sp. Conductance: + 091	uMHOs	Cyanides				Duplicate ID			NA
рН (г.О(() units	тос				Equipment Rinse ID			NA
Turbidity Low	N.T.U.	Grain Size				Tap Blank ID	Trip	Blank	NA
Clear, No 0 Sample Collecter DO: 6.70	dor. 1	,		Turkidiky	Split Sample Name: Agency/Con Address:	e ID:	Sample		
Soil sample description should Munsell Color Odor Sta		Sorting Plasticity Me	pisture		Parameters:	vided: MS/MSD - Duplicate Same as Above - As		- Field Blanks	
Water sample description should include:				:					
Color Odor Sheen Tu	rbidity						120		
Logged By: Michael	Samela	(Please Prin	t)		Revie	wed by: FRC F	ius	(F	Please Print)
Signature: Thicha	I Di	<i>LL</i>			Sign	nature: 50	·	Date:2/4	05

Location ID:	W-0C	1-5W	Field	d Sampling I	Repor	·t			a Army Ammunit	
Date: 12/08/0	4							Character	ization of 14 RVA	AP AUCS
			Sa	mpling Inform	ation					
Source	Grou	indwater / Product		Surface Wa	ter		Soi	ls / Sedimen	its / Sludge	
Method	Bailer		Sam	ple Bottle			Scoop		Trowel	
	Pump		Baco	on Bomb			Bowl		Hand Auger	
							Push Probe		Plastic Liner	
Type/Construction	/						Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: hrs	3	Sample Type: Cor		e - MI - Grab of increments taken:			Location		n Map - Staked in F d - Measured - S	
Sample Depth: FT	(below surfac			- Each Day - Each		n				
Field Parameters (at time of sample)		Anal	ytical	Parameters		/	О	ther Para	ımeters	
PID / FID Readings:		VOC		TPH GRO			Corrosivity			
Background:	ppm	SVOC		TPH DRØ			Reactivity Sulfide/Cy	yanide		
		Explosives		Chromium +6			Ignitability			
Sample:	ppm	Propellants		Nitrate						
Water Level	FT	TAL Metals						QA Sam	ples	
Temperature	°C	Pesticides/PCBs					MS/MSD	Yes / No		NA
Sp. Conductance:	uMHOs	Cyanides					Duplicate ID			NA
pH	units	тос					Equipment Rinse ID			NA
Turbidity	N.T.U.	Grain Size					Trip Blank ID			NA
		ater aple Collect	kd		Name Agen Addr	cy/Con ess:	EID: Ipany: Vided: MS/MSD - Duplicate	- Trip Blanks - Listed	Field Blanks	
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity Logged By: AMCS HAROW (Please Print) Signature: MMMS Sample Service Sorting Plasticity Moisture							ewed by:	Boles	Date:	(Please Print)
		1/		21.00						

Location ID: LLSS Date: 12 [O	w=002	sw_	Field	d Sampling l	Report			na Army An ization of 14		
			Sa	mpling Inform	ation					
Source	Gro	undwater / Product		Surface Wa	iter)	So	ils / Sedimen	ıts / Sludge		
Method	Bailer		Sam	ple Bottle		Scoop		Trowel		
	Pump		Baco	on Bomb		Bowl		Hand Aug	ger	
				Pump	X	Push Probe		Plastic Lin	ner	
Type/Construction	+	/		7.7	1/ N	Mattocks				
Miscellaneous	Well Purg Yes - No	ging Form								
Sample Collection: 1450 hrs Sample Type: Composite - MI Grab If MI, # of increments taken: Decon: Dedicated - Each Day Each Location						Location	Plotted or Estimate	1 Map Stake d - Measur		
Field Parameters (at time of sample)		Parameters		C	ther Para	meters		_		
PID / FID Readings:	TPH GRO		Corrosivity				\prod_{-}			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/C	yanide			
Do	9.67	Explosives	X	Chromium +6		Ignitability	2			
Sample:	ppm	Propellants (%)	×	Nitrate	×					
Water Level 5	, 32 гг	TAL Metals	X				QA Sam	ples	_//	
Temperature 9.	y2 °	Pesticides/PCBs	X			MS/MSD	Yes / No		N.	A
	427 имноs	Cyanides				Duplicate ID			NA	
рН 7.	47 units	TOC				Equipment Riuse ID			NA	<u>. </u>
Turbidity O	N.T.U.	Grain Size				Join Blank ID	Trip	Blan	K NA	
NO Oder ; No Eu Soil sample description should Munsell Color Odor Sta Vater sample description shou	een,		ID:		Field Blanks					
	Color Odor Sheen Turbidity								<u> </u>	
ogged By: Vija Y	Allu-	Y (Please Print)			Reviev	wed by: EU	c fius	·	(Please	Print)
	ture:vijaY					ature: Alex	N	Date:	2/4/2	5

Location ID: LLSSW		3-5W_	Field	d Sampling l	Report				y Ammunition of 14 RVAAP	
Date	-		Sa	mpling Inform	ation					
Source	Grou	undwater / Product /		Surface Wa	arconet.	So	ils / Sedimen	ıts / Slı	ıdge	/
Method	Bailer		Sam	ple:Bottle		Scoop		Trov	vel	
ļ	Pump		Baco	и ВощЪ	100	Bowl		Hano	d Auger	
				Pump	×	Push Probe		Plast	ic Liner	
Type/Construction		/		55.58 e	<u> </u>	Mattocks				
Miscellaneous Of S	Well Purg Yes - No	ing Form								•
Sample Collection: 150 hrs Sample Depth: 5.98 FT (b			If MIL# c	of increments taken: - Each Day Each	VA Location>	Location			Staked in Field leasured - Surv	
Field Parameters (at time of sample)		Ana	lytical	Parameters		O	ther Para	mete	rs	
PID / FID Readings:		VOC	X	TPH GRO		Corrosivity				
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/C	yanide			
DO 9-51		Explosives	X	Chromium +6		Ignitability				
Sample:	ppm	Propellants		Nitrate	X					
Water Level 5.98	> FT	TAL Metals	X				QA Sam	ples		
Temperature 9-34		Pesticides/PCBs	X			MS/MSD J	Ves No		Ŋ	NA.
Sp. Conductance: 0: 435	uMH Os	Cyanides	<u> </u>			Duplicate ID	LL85W	-00	5-DUP NA	Α
pH 7.45	units	TOC				Equipment Rinse ID		- 1	(N	
Turbidity 💍	N.T.U.	Grain Size				Trip Blank ID	Trip.	B la i	nK Æ	
No color , n	10 0c	Description 201. NO Sh	eer		Name:	Splin D: LUBSW - O SAN JEST (C pany: USACE - K MAY27N WTH	ERLY LOUISYII	34.4 UE		
oil sample description should inclu Munsell Color Odor Staining Tater sample description should inc Color Odor Sheen Turbidit	Texture	Sorting Plasticity Mois	ture		QA/QC Prov Parameters:	ided Navior Diplicate (ame is Above) As	- Trip Blanks -	rield Bl	ariks	
	ν			1						
ogged By: Tames H	, , , , , , , , , , , , , ,					ved by: 674 C				الكانات

Location ID: 1 8 Sw	1-00,	93 4-SW	Field	d Sampling	Report			na Army Ammuni ization of 14 RVA	
			Sa	mpling Inforn	nation		•	are	
Source	Gro	undwater / Product /		Surface W	ater)	So	ils (Sedime	V '	
Method	Bailer		Sain	ple Bottle		Scoop		Trowel	
	Pump		Bacc	оп Вошь		Bowl		Hand Auger	
			DEA.	istacic po	wo V	Push Probe		Plastic Liner	
Type/Construction			**			Mattocks			
Miscellaneous	Well Purs Yes - No								
Sample Collection: 100 hrs Sample Depth: 6.84 FT			If MI, # o	- MI - Grab of increments taken - Each Day - Eac	:	Location		n Map Staked in I	
Field Parameters (at time of sample)		An	alytical	Parameters		C	ther Para	ameters	
PID / FID Readings:		voc	X	TPH GRO		Corrosivity			
Background:	ppm	SVOC	X	TPH DRO		Reactivity Sulfide/C	yanide		
		Explosives	X	Chromium +6		Ignitability			
Sample:	ppm	Propellants		Nitrate	×				
Water Level 6,84	FT	TAL Metals	×				QA Sam	ples	
Temperature 9,17	°	Pesticides/PCBs	X			MS/MSD	Yes / No		NA
Sp. Conductance: O. 412	nMHOs	Cyanides				Duplicate ID			ÑΑ
рH 7.50	units	TOC				Equipment Rinse 10			NA
Turbidity , C	N.T.U.	Grain Size				Trip Blank ID	Tripl	Blank	NA
clear mal		e Description	1.		Split Sample		Sample		
NO Sheen	, N	0 two	all)	Agency/Com Address:	pany:			
<u> </u>						ided; MS/MSD Duplicate Same as Above - As		Field Blanks	
oil sample description should inci	lude:								
Munsell Color Odor Stainin	g Texture	Sorting Plasticity Mot	isture		/				
ater sample description should in	iclude:								
Color Odor Sheen Turbid	ity								
ogged By: Shall Tan To	Megin	(Please Print)				ved by: FUL ature: FUL	L	Date: 24	(Please Print)

Location ID: LLB Six	<u>1-00</u> 5	<u> </u>	Fiel	d Sampling	Report				ny Ammunitio of 14 RVAAI	
			Sa	mpling Inforn	ation			-05°		,
Source	Gro	undwater / Product		Surface W	ater	So	ils / Sedimer	do do	ıdge	/
Method	Bailer	2/	San	ple Bottle		Scoop	X	Trow	vel	
	Pump		Bac	on Bomb		Bowl		Hand	l Auger	
	the state of the s		70	estall pu	0 /	Push Probe		Plast	ic Liner	
Type/Construction		/				Mattocks				
Miscellaneous	Well Pur	ging Form								_1
Sample Collection: 09240 hrs		Ŀ	fMI, # 0	e - MI - Grab of increments taken		Location			Staked in Fiel easured - Sur	
Sample Depth: 7.01 FT (below surface) Decon: Dedicated - Each Day					h Location					
Field Parameters (at time of sample) Analytical Parameters						C	ther Para	meter	rs	
PID / FID Readings:				TPH GRO		Corrosivity				
Background:	Background: SVOC			TPH DRO		Reactivity Sulfide/Cyanide				
	i	Explosives	X	Chromium +6		Ignitability				
Sample:	ppm	Propellants	X	Nitrate	×					
Water Level 7.0\	FT	TAL Metals	X				QA Sam	ples		
Temperature , O	° C	Pesticides/PCBs	X			MS/MSD	Yes / No]	NA
Sp. Conductance: O.47		Cyanides				Duplicate ID			N	'A
н Т		TOC				Equipment Kinse ID	1-1-		N	A
Turbidity O.C) N.T.U.	Grain Size				7 rip Blank ID	Trip	BK	enK N	A
		Description			Split Sample		Sample			//
Clear work	ex,	NO 200	X		Name:					
NO sheen	, ^	10 tuxbic	V.F	$-\delta$	Agency/Com Address:	ipany:			7	
50.10.	57							/		
						rided: MS/MSD - Duplicare Same as Above - As		Field Bla	mks.	
oil sample description should incl	ude:						10000		15.	
Munsell Color Odor Staining Texture Sorting Plasticity Moisture										
ater sample description should include:										
Color Odor Sheen Turbidity										
ogged By: Shall Cun	ged By: Shall Com Taho (S'un') (Please Print)				Reviev	wed by: ERIC	EUS		(Pleas	e Print)
ature: & LOV					g:	ature:		Date	e: 2/4/0	<

Location ID:	Location ID: 12/09/04 Field Samp							a Army Ammuniti zation of 14 RVAA	
Date:/2 /0 9	104								
	· · ·		Sa	mpling Inform	nation				
Source	Gro	undwater / Product	_/	Surface W	ater	Soi	ils / Sedimen	ts / Sludge	\angle
Method	Bailer		Sam	iple Bottle		Scoop		Trowel	
	Pump		Bac	on Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Pur	ging Form							
Sample Collection:F			If MI, #	e - MI - Grab of increments taken - Each Day - Each		Location		Map - Staked in Fid i - Measured - St	
Field Parameters (at time of sample)		I	Analytical	Parameters		O	ther Para	meters	
PID / FID Readings:		VOC		TPH GRO		Corrosivity			
Background:	ppm	SVOC		TPH DRO		Reactivity Sulfide/Cy	anide /		
	/	Explosives		Chromium +6		Ignitability		7	
Sample:	ppm	Propellants		Nitrate					
Water Level	FT	TAL Metals					QA Samp	oles	
Temperature	℃	Pesticides/PCBs				MS/MSD	Yes / No		NA
Sp. Conductance:	uMHOs	Cyanides				Duplicate ID			NA
рН	units	тос				Equipment Rinse ID]	NA
Aurbidity	N.T.U.	Grain Size				Trip Blank ID		1	NA
		Description			Name: Agency/Co	ple ID:	Sample		
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	nclude: ning Texture l include:	Pater nple Colle Sorting Plasticity M				ovided: MS/MSD - Duplicate - s: Same as Above - AS		Vield Blanks	
ogged By: UMES	Jano	(Please Pri	int)			iewed by: 546	Boles	S (Pie) Date: OH23	ease Print)

D

		-20
	7	
	103	- 3
ن	911	3
71	1	
₹.		7
- 2.7		

Logged By:

Signature:

Field Sampling Report Location ID: <u>LL88W - 007 - SW</u> Ravenna Army Ammunition Plant Characterization of 14 RVAAP AOCs **Sampling Information** (Surface Water) Soils / Sediments / Sludge Groundwater / Product Source Method Bailer Sample Bottle Scoop Trowel Hand Auger Pump Bacon Bomb Bowl Plastic Liner Push Probe PEGSTALL RAP Type/Construction Mattocks Well Purging Form Miscellaneous Sample Collection: 130 hrs Sample Type: Composite - MI - Grab Location: Plotted on Map Staked in Field Estimated - Measured Surveyed If MI, # of increments taken: Sample Depth: 5.29 FT (below surface) Decon: Dedicated - Each Day - Rach Location **Analytical Parameters** Other Parameters Field Parameters (at time of sample) PID / FID Readings: VOC TPH GRO Corrosivity Background: SVOC TPH DRO Reactivity Sulfide/Cyanide Chromium +6 Ignitability Explosives ample: Propellants Nitrate Water Level TAL Metals **QA** Samples MS/MSD **Temperature** Pesticides/PCBs Yes / No NA Sp. Conductance: Cyanides Duplicate ID NA pН TOC Equipment Rinse ID NA np Blank ID Cio Blank Turbidity N.T.U. Grain Size DO 1010 Sample Description Split Sample Split Sample ID: CLEAR, NO OPOR , NO SIMEN , NO TURBIDITY Name: Agency/Company: Address: QA/QC Provided: MS/MSD - Duplicate Trip Blanks - Field Blanks Parameters: Same as Above - As Listed Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity

Reviewed by:

Signature:

(Please Print)

Location ID: 128 SW	- 00%-: d=00		Field	d Sampling I	Report			a Army Ammu zation of 14 RV	
			Sa	mpling Inform	ation		,		
Source	Gro	andwater / Product		Surface Wa	ter	Soils / Sediments / Sludge			
Method	Bailer	7	Sam	ple Bottle		Scoop		Trowel	
	Pump	and the second s	Baco	on Bomb		Bowl		Hand Auger	
	and the state of t		PS	astauc pum) V	Push Probe		Plastic Liner	
Type/Construction	on					Mattocks		_	
Miscellaneous	Well Purg Yes - No					DO Sectionary for			
Sample Collection: 0430			If MI, # c	e - MI - Grab of increments taken: - Each Day - Each	Location	Location	: Plotted on	Map -Staked in	r Field
Field Parameters (at time of sample)		Analytical Parameters				Other Parameters			
PID / FID Readings:		VOC	·/	TPH GRO		Corrosivity			
Background:	ppm	SVOC	/	TPH DRO		Reactivity Sulfide/Cy	vanide		
		Explosives	/	Chromium +6 Nitrate		Ignitability			
Sample:	ppm	Propellants			·/				
Water Level 5.6	FT	TAL Metals	/				QA Sam	ples	
Temperature Jaj	36 °c	Pesticides/PCBs	/			MS/MSD	Yes / No		NA
Sp. Conductance: 0.4		Cyanides				Duplicate ID			NA
рн 5.8		TOC				Equipment Rinse ID		<i>a i i)</i>	NA
Turbidity 9.4) N.T.U.	Grain Size		,		Trip Blank ID	Trip.	BANK	NA
Sample Description					Split Sample		Sample		1/
NO sheen , LOW two bidity					Name: Agency/Con	opany:			_
DO: 10.81					Address:				
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include:						vided: MS/MSD - Duplicate Same as Above - AS		Field Blanks	
Color Odor Sheen Tur									
logged By: Challan Tahlan a (Please Print)						ewed by: FRC nature:	EUS	Dota: 7	_(Please Print)
Signature:					Sign	manure	4~	Date:	

Location ID: 12/10/0	-00 ⁰)-Sw_	Ravenna Army Ammunition Plant Characterization of 14 RVAAP AOCs								
Sampling Information											
Source	Grou	ındwater / Product /	AR Surface Wa	ter)	Soils / Sediments / Sludge						
Method	Bailer		Sample Bottle			Scoop		Trowel			
	Pump		Baco	on Bomb		Bowl		Hand Auger			
			PEL	PERSON PUMP		Push Probe		Plastic Liner			
Type/Construction			(4,2,00,1)			Mattocks					
Miscellaneous	Well Purg	ing Form									
Sample Collection: OOO hrs Sample Type: Composite - MI Grab Location: Plotted on Man - Staked in Field If MI, # of increments taken: Sample Depth: 6 07 FT (below surface) Decon: Dedicated - Each Day - Each Location											
Field Parameters (at time of sample)						Other Parameters					
PID / FID Readings:		VOC	L	TPH GRO		Corrosivity					
Background:	ppm	SVOC	î	TPH DRO		Reactivity Sulfide/Cy	anide				
		Explosives	V	Chromium +6		Ignitability					
Sample:	ppm	Propellants 35	2	Nitrate	1						
Water Level	FT	TAL Metals				QA Samples					
Temperature 6.6	°C	Pesticides/PCBs	V			MS/MSD	Yes / No	N/			
Sp. Conductance: 0.317	uMHOs	Cyanides				Duplicate ID		NA			
рн 6.35	units	тос				Equipment Rinse ID		NA NA			
Turbidity 8	N.T.U.	Grain Size				Trip Mank ID	Trip	Bank NA			
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include:						Split Sample Split Sample Name: Agency/Company: Address: QA/QC Provided: MS/MSD - Duplicate - Prip Blanks - Frield Blanks Parameters: - Same as Above - Maisted					
Color Odor Sheen Turbia	-										
ed By: NLESH SI	RPUPE (Please Print)		wed by: ERIC E	544S ~	Date: 2/4/05						