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**Final** 

# <u>Sampling and Screening Analysis</u> of Soils Below Floor Slabs at RVAAP-09 Load Line 2, RVAAP-10 Load Line 3, and RVAAP-11 Load Line 4

Ravenna Army Ammunition Plant 8451 St. Route 5 Ravenna, OH 44266-9297

Contract No. W912QR-04-D-0025 Delivery Order No. 0006



US Army Corps of Engineers® Prepared for: U.S. Army Corps of Engineers 600 Martin Luther King, Jr. Place P.O. Box 59 Louisville, Kentucky 40201-0059

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July 15, 2009

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F	Data Verification Reports, Fixed Laboratory Analyses
G	Field Screening Core Location Coordinates
Н	Comment Response Table
Ι	Dr. Thomas. S. Jenkins Report, March 2008

bgs	Below ground surface
BRACD	Base Realignment and Closure Division
CLIN	Contract Line Item
DNT	Dinitrotoluene
GPS	Global Positioning System
IROD	Interim Record of Decision
MARC	Multiple Award Remediation Contract
MI	Multi-increment
МКМ	MKM Engineers, Inc.
Ohio EPA	Ohio Environmental Protection Agency
RCRA	Resource Conservation and Recovery Act
RDX	Royal Demolition Explosive, also hexahydro-1,3,5-trinitro-1,3,5-triazine
RVAAP	Ravenna Army Ammunition Plant
SOW	Scope of Work
TCLP	Toxicity Characteristic Leaching Procedure
TNT	Trinitrotoluene, also 2,4,6-trinitrotoluene
URS	URS Group, Inc.
USACE	United States Army Corps of Engineers

# Acronyms and Abbreviations

The U.S. Army Corps of Engineers (USACE) Louisville District has awarded URS Group, Inc. (URS) a Firm Fixed-Price contract for sampling of soils below floor slabs of demolished buildings at Load Lines 2, 3, and 4, and excavation and transportation of contaminated soils to Load Line 4 (Buildings G-1, G-1A, and G-3) at the Ravenna Army Ammunition Plant, (RVAAP), Ravenna, Ohio. The work is a delivery order under the URS Multiple Award Remediation Contract (MARC) (W912QR-04-D-0025, Delivery Order 0006).

The removal of the buildings down to the floor slabs has been completed by MKM Engineers, Inc. (MKM) under a contract from the Base Realignment and Closure Division (BRACD). The BRACD has exercised a Contract Line Item (CLIN) to remove floor slabs and any associated foundation walls to grade at these buildings. Floor slab removal by the BRACD contractor began in March 2008 and was completed in June 2008. Work was sequenced so that the areas thought to represent the least potential for residual contamination were addressed first. Work began at Load Line 4 and progressed to Load Lines 3 and 2. Within each load line, work was staged in general from one end of the load line to the other. Figures 1-1 and 1-2 show the general location of the RVAAP and the four load line areas within the facility.

URS' Scope of Work (SOW) was to conduct stockpile sampling, pre-slab removal field screening, post-slab removal field screening, and final confirmatory sampling. The objective of the sub-slab sampling was to determine if any areas require excavation and transportation of earth fill from the load lines to buildings at Load Line 4 (i.e., Buildings G-1, G-1A, and G-3). This report addresses the post-slab removal field screening and evaluation at 105 buildings within Load Lines 2, 3, and 4. This work was completed in accordance with the Letter Report Work Plan approved February 7, 2008 (URS, 2008).



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Field screening for 2,4,6-trinitrotoluene (TNT) and hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) was conducted at Load Lines 2, 3, and 4 following the slab removal. The purpose of the field screening was to provide data at each load line building to determine if any earth fill materials would require removal. Decisions were made based on a comparison of the field test kit results to the following cleanup goals provided in the SOW:

- TNT: 1,646 mg/kg
- RDX: 838 mg/kg

These levels were determined as acceptable in the Interim Record of Decision (IROD) for Load Lines 2, 3, and 4. If either of these levels was exceeded, the area was covered with plastic. Excavation of contaminated soil will be undertaken in later stages of the project.

#### 2.1 SAMPLE COLLECTION

The sampling was conducted in accordance with the *Facility-Wide Sampling and Analysis Plan* for the RVAAP (SAIC, 2001) and the approved Work Plan (URS, 2008). The load line buildings were grouped into three categories based on their potential for the presence of contamination in earth fill beneath the building floor slabs. The three categories were designated as high, medium, or low potential and a field screening sampling scheme was developed for each category. Figures 2-1 through 2-3 show building locations throughout each load line.

High potential buildings were believed to have the highest potential for the presence of sub-slab contamination and were screened for RDX/TNT from multiple cores within the building footprint. Thirteen high potential buildings were identified at the three load lines. Table 2-1 lists their locations and the number of cores planned for screening.

Cores were taken down to 4 feet below ground surface (bgs) using the JMC Environmentalist's Subsoil Probe. Five discrete portions of the core were selected for field analyses: the top, three portions within the core that best represented the range of lithologies found in the core and any visual signs of impact, and the bottom. However, at several locations the 4-foot core samples could not be collected as planned due to demolition debris within the desired depth range or refusal. After several sampling attempts, the most representative core (best recovery) was used for screening. All high potential building soil boring locations were mapped using a global positioning system (GPS) and are shown on Figures 2-4 through 2-12. Coordinates for the core locations are detailed in Appendix G.

Additional sampling was also conducted at high potential buildings at Load Lines 2 and 3 due to visibly contaminated areas. Some of these areas extended beyond the footprints of the buildings. These areas were sampled to obtain additional information regarding TNT/RDX concentrations in visibly impacted areas. Some of these samples were also sent to the fixed laboratory for analysis.

Medium potential buildings were believed to have some potential for the presence of sub-slab contamination, but to a lesser extent than buildings in the high potential category. Buildings in this category were screened for RDX/TNT by collecting one discrete sample from approximately 0 to 12 inches bgs. The sample was biased toward any visual indications of contamination or, if







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#### Table 2-1 High Potential Load Line Buildings Planned for 4-Foot Core Sampling Ravenna Army Ammunition Plant Ravenna, Ohio

	Bldg.	Building	Slab	Slab Width,	Number of Core
Load Line	Number	Туре	Length, ft.	ft.	Locations
Load Line 2	DB-4	Melt Pour	210	50	16
	DB-4A	Melt Pour	210	50	16
	DA-6	Explosives	40	40	5
		Preparation			
	DA-6A	Explosives Preparation	40	40	5
	DB-10	Drill Assembly	300	50	14
Load Line 3	EB-4	Melt Pour	210	50	16
	EB-4A	Melt Pour	210	50	16
	EA-6	Explosives Preparation	40	40	5
	EA-6A	Explosives Preparation	40	40	5
	EB-10	Drill Assembly	300	50	14
Load Line 4	G-8	Melt Pour	170	70	12
	G-9	Explosives Screening	25	25	2
	G-15	Explosives Preparation	36	36	2

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there were none, was collected from the approximate middle of the building footprint. The soil samples were collected using a stainless steel step probe.

Low potential buildings were those that were not believed to have presence of sub-slab contamination. Buildings in this group were sampled during field screening using the same methodology as for the medium potential buildings.

The samples were placed in new, sealable plastic bags and transported to the field screening laboratory in Building 1036 once they were collected.

Soil samples were collected from March 21 to May 22, 2008. The slab removal process was tracked and coordinated daily in conjunction with both BRACD and the demolition contractor (MKM) to meet the Work Plan requirement for sampling within 7 days of slab and debris removal. The summary spreadsheets in Appendix A provide the detail of when each slab was cleared and sampled. Appendix B contains copies of the slab removal clearance by BRACD. Field sampling reports are included in Appendix C.

During the field investigation, three technical change memoranda were issued to deal with changes in field procedures or field conditions. Copies of the approved memoranda are included in Appendix D. At Load Line 4, the pre-established sampling locations were adjusted because of standing water (Technical Change #1). At Load Line 3 several buildings could not be sampled until debris was removed (Technical Change #2). No sample was collected from Building G-14, since it was determined the building was replaced by newer construction at Building G-13A (Technical Change #3).

#### 2.2 FIELD ANALYSES

EnSys soil test kits were used to determine TNT and RDX concentrations in the collected samples. Analysis was in accordance with the procedures provided by the manufacturer (Strategic Diagnostics Inc.) with the kits.

The temporary field screening laboratory was equipped with materials to conduct the field screening operations on an as-needed basis to accommodate the sampling schedule. The work areas were covered with plastic to avoid contamination of testing process surface areas. The acetone used for the soil test extraction was stored in a storage cabinet (suitable for storing flammable materials) when not in use. The expended acetone/soil mix was stored in approved 5-gallon containers with containment in the testing area. The extraction mix was consolidated into an approved 55-gallon waste fluid drum on an as-needed basis. The drum and all containers were appropriately labeled and staged for disposal.

Early in the field screening effort (March 28, 2008), Dr. Thomas F. Jenkins observed the field screening laboratory operations. Based on his observations, several procedural modifications were made on March 28, 2008. The modifications included the following:

- Decontamination of the knife used to slice open cores between core samples,
- Maintenance of acetone and test material at room temperature or warmed to room temperature before tests were run,
- The addition of water to acetone for the control samples, and

• Documentation of all control sample results on a daily basis.

Dr. Jenkins concluded that results obtained prior to his audit may have been biased low. However, at that time none of the results obtained for either RDX or TNT were near the established action levels (Jenkins, 2008). A copy of Dr. Jenkins' report is included in Appendix I.

Analyses were conducted from March 21, 2008 through May 22, 2008. Field screening calculations are included in Appendix E. The results of these analyses are discussed in Section 3.1 through 3.4.

#### 2.3 COLLECTION OF CORRELATION SAMPLES

On April 4, 2008, ten samples from the screening laboratory were also shipped to the fixed laboratory (Microbac) for explosives analyses. The ten samples selected on that day represented a range of TNT/RDX concentrations measured by the field test kits. The samples were from two buildings at Load Line 3 (EB-4 and EA-6A). The purpose of these additional analyses was to provide a correlation of the field test results with fixed lab results in order to evaluate the accuracy and precision of the field screening methodology. The results of these analyses are in Tables 3-5 and 3-6 and are discussed in Section 3.5.

Each field screening sample was received at the screening laboratory in a plastic bag. The bag contents were mixed in the bag, and an aliquot was drawn for the RDX/TNT field screening test. The remaining soil was transferred to a glass sampling jar and transported to the fixed laboratory.

#### 2.4 ADDITIONAL FIELD INVESTIGATIVE ACTIVITIES

On March 21, 2008, one screening sample was collected from an area of red dust outside the footprint of Building G-13VP1 at Load Line 4. This sample was collected to determine whether the material was explosive residue.

On April 10-11, 2008, samples (four soil and one water) were collected from an area near EB-4A on Load Line 3 where pink water was collecting. The sampling locations were selected based on locations where the Ohio Environmental Protection Agency (Ohio EPA) had previously collected samples. These samples were transported to Microbac for explosives analyses. Soil for field screening was also collected from these locations. For the field screening analyses, these samples were identified as LL3EB4A URS-EPA 1 through 4.

On April 18, 2008, a field screening sample designated at LL2DB4-PIT was collected at Load Line 2, Building DB-4. The sample was collected to evaluate a visually impacted zone noted in the former building north elevator sump pit. The zone sampled was approximately 3.5 feet bgs.

On April 21, 2008, additional soil and water samples (one each) were collected from an area outside the DB-4A building footprint that appeared impacted with explosives. These two samples were transported to Microbac for explosives analyses. The soil sample was also analyzed for metals. Four soil samples were also collected for field screening at that time. The screening samples were designated as Pink Water 1 through 4.

On May 16, 2008, approximately one pound of product was noted by MKM outside the footprint of DB-10 on Load Line 2. The material was removed by the facility operating contractor (PIKA) and three field screening samples were collected by URS in the vicinity before the area was covered with plastic. These samples were assigned sample identification numbers (LL2DB10-SCREEN 1 through 3) and were field screened for TNT and RDX. The samples were collected from the surface and at 0 to 1.0 foot bgs.

The results of this additional of sampling are presented in Tables 3-7 through 3-9 and are discussed in Section 3.6 and 3.7.

After the screening sample collection, it was observed that some areas within the footprints of the melt pour buildings at Load Lines 2 and 3 became stained and/or collected pink ponded surface water. The stained areas were the result of a photo-reaction of the TNT with sunlight. These areas were re-sampled and covered, if necessary (e.g., Building EB-4A and the elevator sump at DB-4).

This section provides details of the field screening results at the three load lines, the correlation samples, and the additional samples analyzed by the fixed laboratory. The field screening test results are presented in chronological order in Appendix E. Appendix F contains the data verification reports for the fixed laboratory analyses.

## 3.1 LOW POTENTIAL BUILDINGS

The two explosives analyzed via field screening were detected at twelve low potential buildings at Load Lines 2 and 3. There were no detections of either TNT or RDX at any of the low potential buildings at Load Line 4. The detected TNT concentrations ranged from 1.1 mg/kg to 296 mg/kg. The RDX concentrations ranged from 0.8 mg/kg to 18.5 mg/kg. Table 3-1 summarizes field screening explosives detections at the low potential buildings.

## 3.2 MEDIUM POTENTIAL BUILDINGS

Table 3-2 summarizes field screening explosives detections at five medium potential buildings at Load Lines 2 and 3. There were no detections of either TNT or RDX at Load Line 4. The TNT concentrations ranged from 0.8 mg/kg to 143.3 mg/kg. The RDX concentrations ranged from 0.8 mg/kg to 48 mg/kg.

## **3.3 HIGH POTENTIAL BUILDINGS**

Explosives were detected at 12 of the 13 buildings designated as high potential buildings. Building G-15 at Load Line 4 was the only high potential building with no explosive detections. The detected TNT concentrations ranged from 0.8 to 4,860 mg/kg; RDX concentrations ranged from 0.8 mg/kg to 217 mg/kg. The highest concentrations were detected at the melt pour buildings at Load Lines 2 and 3. Table 3-3 summarizes field screening explosives results for the high potential buildings.

## 3.4 CLEANUP GOAL EXCEEDANCES

Table 3-4 summarizes all the locations within the building footprints where TNT screening concentrations were above the cleanup goal of 1,646 mg/kg. All sample results collected within building footprints and exceeding the cleanup levels were from Load Line 3 buildings. These building footprints are shown on Figure 3-1. No exceedances of the RDX cleanup level were observed.

Any areas exceeding the TNT cleanup goal, including the areas described in Sections 3.6 and 3.7, were covered with plastic.

## 3.5 CORRELATION SAMPLING RESULTS AND EVALUATION

Table 3-5 provides the analytical data for the ten correlation samples analyzed by the fixed laboratory. The data verification report for these data is included in Appendix F. The analytical data indicate that TNT was detected in nine of the ten samples at concentrations ranging from 0.948 mg/kg to 2,620 mg/kg. Thus, the objective of selecting samples ranging from nondetect up to levels above the cleanup goal (1,646 mg/kg) was met. RDX was detected in six of the ten samples, at much lower levels (0.203 mg/kg to 1.52 mg/kg) and not at a concentration approaching the cleanup goal (838 mg/kg). Six other explosives compounds were detected, but

# Table 3-1 Low Potential Building Field Screening Results – Detections Only Ravenna Army Ammunition Plant Ravenna, Ohio

Building/Description	Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)		
	Load Line 2				
DB-802/Inert Storage	LL2DB802-SS-001SN-0001-SO	ND	11.6		
DB-802/Inert Storage	LL2DB802-SS-001SN-0001-SO-DUP	ND	16.2		
2-51A/Line Office	LL2-2-51A-SS-033SN-0001-SO	1.9	ND		
DB-10VP2/Vacuum Pump House	LL2DB10VP2-SS-056SN-0001-SO	26.6	18.5		
DB-27C/Shipping Building	LL2DB27C-SS-069SN-0001-SO	ND	0.8		
DA-28 Elevator Machine House	LL2DA28-SS-072SN-0001-SO	ND	1.1		
DA-28 Elevator Machine House	LL2DA28A-SS-079SN-0001-SO	0.9	ND		
Load Line 3					
EB-22/Change House	LL3EB22-SS-003SN-0001-SO	ND	0.9		
EA-28/Elevator Machine House	LL3EA28-SS-034SN-0001-SO	198	0.9		
EA-28A/Elevator Machine House	LL3EA28A-SS-054SN-0001-SO	296	ND		
3-51A/Line Office	LL351A-SS-055SN-0001-SO	1.1	ND		
EB-4AVP1/Vacuum Pump House	LL3EB4AVP1-SS-075SN-0001-SO	ND	0.8		

 $^{(1)}$  ND: Nondetect result. The test kit detection limit for TNT is 0.7 mg/kg; the detection limit for RDX is 0.8 mg/kg.

<sup>(2)</sup> All samples collected from approximately 0 to 12 inches bgs.

<sup>(3)</sup> Any remediation at low potential buildings will be based on the results of the MI samples.

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# Table 3-2 Medium Potential Building Field Screening Results – Detections Only Ravenna Army Ammunition Plant Ravenna, Ohio

Building/Description	Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)		
Load Line 2					
DB-3/Shell Receiving	LL2DB3-SS-005SN-0001-SO	ND	0.9		
DB-25/Washout for Composition B and TNT	LL2DB25-SS-007SN-0001-SO	0.8	ND		
DB-26/Radiographic	LL2DB26-SS-063SN-0001-SO	ND	1.9		
DA-5/Ammonium Nitrate Service	LL2DA5-SS-085SN-0001-SO	ND	0.8		
Load Line 3					
EB-25/Washout	LL3EB25-SS-077SN-0001-SO	143.3	48.0		

 $^{(1)}$  ND: Nondetect result. The test kit detection limit for TNT is 0.7 mg/kg; the detection limit for RDX is 0.8 mg/kg.

<sup>(2)</sup> All samples collected from approximately 0 to 12 inches bgs.

<sup>(3)</sup> Any remediation at medium potential buildings will be based on the results of the MI samples.

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Final

#### Table 3-3 High Potential Building Field Screening Results – Detections Only Ravenna Army Ammunition Plant Ravenna, Ohio

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)			
Load Line 2					
Building DB-4A (Melt Pour):					
LL2DB4A-SB-014SN-0001-SO	ND	1.5			
LL2DB4A-SB-014SN-0002-SO	ND	1.0			
LL2DB4A-SB-014SN-0003-SO	ND	2.6			
LL2DB4A-SB-014SN-0005-SO	ND	0.9			
LL2DB4A-SB-015SN-0001-SO	ND	2.9			
LL2DB4A-SB-016SN-0001-SO	147	7.3			
LL2DB4A-SB-016SN-0002-SO	200	4.3			
LL2DB4A-SB-016SN-0003-SO	ND	1.7			
LL2DB4A-SB-016SN-0004-SO	1.3	ND			
LL2DB4A-SB-016SN-0005-SO	1.0	1.0			
LL2DB4A-SB-017SN-0001-SO	2.3	ND			
LL2DB4A-SB-017SN-0002-SO	8.2	ND			
LL2DB4A-SB-017SN-0003-SO	6.6	1.6			
LL2DB4A-SB-017SN-0004-SO	2.4	ND			
LL2DB4A-SB-017SN-0005-SO	0.8	ND			
LL2DB4A-SB-018SN-0001-SO	35.3	ND			
LL2DB4A-SB-018SN-0002-SO	393	1.2			
LL2DB4A-SB-018SN-0003-SO	440	1.6			
LL2DB4A-SB-018SN-0004-SO	12.1	ND			
LL2DB4A-SB-020SN-0001-SO	1.9	ND			
LL2DB4A-SB-020SN-0002-SO	23.1	ND			
LL2DB4A-SB-020SN-0003-SO	3.8	1.1			
LL2DB4A-SB-020SN-0005-SO	ND	0.9			
LL2DB4A-SB-021SN-0001-SO	ND	0.8			
LL2DB4A-SB-022SN-0003-SO	ND	1.5			
LL2DB4A-SB-022SN-0004-SO	ND	1.2			
LL2DB4A-SB-022SN-0005-SO	ND	0.9			

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
LL2DB4A-SB-024SN-0002-SO	ND	1.2
LL2DB4A-SB-025SN-0001-SO	ND	1.0
LL2DB4A-SB-025SN-0005-SO	ND	1.4
LL2DB4A-SB-026SN-0001-SO	ND	1.3
LL2DB4A-SB-026SN-0001-SO DUP	9.7	1.1
LL2DB4A-SB-027SN-0001-SO	ND	1.0
LL2DB4A-SB-027SN-0004-SO	ND	1.2
LL2DB4A-SB-027SN-0005-SO	ND	1.8
LL2DB4A-SB-028SN-0001-SO	72.4	1.4
LL2DB4A-SB-028SN-0002-SO	16.2	3.7
LL2DB4A-SB-028SN-0003-SO	25.1	2.2
LL2DB4A-SB-028SN-0004-SO	5.5	1.3
LL2DB4A-SB-028SN-0005-SO	ND	3.2
Building DB-4 (Melt Pour):		
LL2DB4-SB-034SN-0002-SO	0.8	ND
LL2DB4-SB-035SN-0004-SO	ND	1.6
LL2DB4-SB-035SN-0005-SO	ND	0.9
LL2DB4-SB-037SN-0002-SO	ND	1.6
LL2DB4-SB-037SN-0004-SO	ND	2.3
LL2DB4-SB-037SN-0005-SO	ND	2.2
LL2DB4-SB-038SN-0001-SO	ND	1.1
LL2DB4-SB-038SN-0005-SO	1.9	0.9
LL2DB4-SB-039SN-0002-SO	0.9	ND
LL2DB4-SB-039SN-0004-SO	ND	0.8
LL2DB4-SB-040SN-0004-SO	0.8	ND
LL2DB4-SB-042SN-0005-SO	ND	3.2
LL2DB4-SB-044SN-0001-SO	ND	1.6
LL2DB4-SB-044SN-0003-SO	ND	0.8
LL2DB4-SB-044SN-0003-SO DUP	ND	1.8
LL2DB4-SB-044SN-0005-SO	1.1	2.3
LL2DB4-SB-045SN-0001-SO	ND	2.4
LL2DB4-SB-046SN-0005-SO	ND	1.4
LL2DB4-SB-047SN-0002-SO	48.7	1.5

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
LL2DB4-SB-047SN-0003-SO	48.7	6.2
LL2DB4-SB-047SN-0004-SO	44.7	ND
LL2DB4-SB-047SN-0005-SO	ND	1.6
LL2DB4-SB-048SN-0001-SO	5.0	ND
LL2DB4-SB-048SN-0004-SO	243	15.7
LL2DB4-SB-048SN-0005-SO	858	30.4
LL2DB4-SB-049SN-0003-SO	10.6	1.5
LL2DB4-SB-049SN-0004-SO	200	3.6
LL2DB4-SB-049SN-0005-SO	437	2.2
Building DA-6 (Explosives Preparation):		
LL2DA6-SB-073SN-0002-SO	155	ND
LL2DA6-SB-073SN-0004-SO	1.2	ND
LL2DA6-SB-073SN-0005-SO	61.3	1.0
LL2DA6-SB-074SN-0001-SO	ND	1.2
LL2DA6-SB-074SN-0003-SO	ND	1.2
LL2DA6-SB-075SN-0002-SO	1.3	ND
LL2DA6-SB-075SN-0003-SO	483	3.5
LL2DA6-SB-075SN-0004-SO	337	2.0
LL2DA6-SB-076SN-0001-SO	ND	1.3
LL2DA6-SB-076SN-0002-SO	ND	1.5
LL2DA6-SB-076SN-0003-SO	783	3.2
LL2DA6-SB-076SN-0004-SO	0.9	ND
LL2DA6-SB-076SN-0005-SO	10.5	0.8
LL2DA6-SB-077SN-0003-SO	0.9	2.7
LL2DA6-SB-077SN-0005-SO	0.9	ND
Building DA-6A (Explosives Preparation):		
LL2DA6A-SB-080SN-0001-SO	7.4	1.5
LL2DA6A-SB-080SN-0002-SO	ND	1.7
LL2DA6A-SB-080SN-0003-SO	ND	4.1
LL2DA6A-SB-080SN-0004-SO	3.2	3.8
LL2DA6A-SB-080SN-0005-SO	ND	3.4
LL2DA6A-SB-081SN-0001-SO	ND	2.4
LL2DA6A-SB-081SN-0003-SO	2.0	0.8

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
LL2DA6A-SB-081SN-0004-SO	ND	1.7
LL2DA6A-SB-081SN-0005-SO	ND	0.9
LL2DA6A-SB-081SN-0005-SO-DUP	ND	1.1
LL2DA6A-SB-082SN-0001-SO	19.6	ND
LL2DA6A-SB-082SN-0002-SO	ND	1.4
LL2DA6A-SB-082SN-0004-SO	ND	1.1
LL2DA6A-SB-083SN-0001-SO	2.6	1.1
LL2DA6A-SB-083SN-0002-SO	15.1	0.8
LL2DA6A-SB-083SN-0003-SO	99.1	1.9
LL2DA6A-SB-084SN-0001-SO	11.6	ND
LL2DA6A-SB-084SN-0003-SO	ND	1.2
LL2DA6A-SB-084SN-0004-SO	1.5	0.9
Building DB-10 (Drill Assembly):		
LL2DB10-SB-090SN-0002-SO	ND	0.9
LL2DB10-SB-090SN-0003-SO	ND	6.6
LL2DB10-SB-090SN-0004-SO	ND	4.8
LL2DB10-SB-090SN-0005-SO	ND	1.0
LL2DB10-SB-093SN-0001-SO	ND	1.0
LL2DB10-SB-096SN-0003-SO	3.1	ND
LL2DB10-SB-097SN-0001-SO	ND	0.9
LL2DB10-SB-098SN-0005-SO	ND	1.0
LL2DB10-SB-099SN-0003-SO	ND	2.3
LL2DB10-SB-099SN-0004-SO	4.8	2.8
LL2DB10-SB-099SN-0005-SO	2.4	ND
LL2DB10-SB-100SN-0001-SO	6.3	1.5
LL2DB10-SB-101SN-0001-SO	1.1	ND
LL2DB10-SB-103SN-0002-SO	ND	1.4
Lo	ad Line 3	
Building EB-10 (Drill Assembly):		
LL3EB10-SB-017SN-0001-SO	ND	1.2
LL3EB10-SB-017SN-0002-SO	ND	1.3
LL3EB10-SB-017SN-0003-SO	ND	1.6
LL3EB10-SB-018SN-0002-SO	ND	0.8

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
LL3EB10-SB-019SN-0004-SO-DUP	ND	0.8
LL3EB10-SB-019SN-0005-SO	ND	1.3
LL3EB10-SB-021SN-0001-SO	ND	1.6
LL3EB10-SB-021SN-0002-SO	ND	1.2
LL3EB10-SB-021SN-0003-SO	ND	1.5
LL3EB10-SB-021SN-0003-SO-DUP	ND	1.4
LL3EB10-SB-023SN-0001-SO	ND	1.5
LL3EB10-SB-023SN-0002-SO	ND	1.6
LL3EB10-SB-023SN-0003-SO	ND	1.6
LL3EB10-SB-023SN-0004-SO	ND	0.8
LL3EB10-SB-023SN-0005-SO	ND	1.2
LL3EB10-SB-024SN-0005-SO	ND	1.0
Building EB-4 (Melt Pour):		
LL3EB4-SB-037SN-0001-SO	2.3	ND
LL3EB4-SB-037SN-0002-SO	16.5	1.4
LL3EB4-SB-037SN-0003-SO	6.0	ND
LL3EB4-SB-037SN-0004-SO	8.2	ND
LL3EB4-SB-037SN-0005-SO	7.5	ND
LL3EB4-SB-038SN-0001-SO	1.3	ND
LL3EB4-SB-038SN-0002-SO	9.6	ND
LL3EB4-SB-040SN-0001-SO	1.2	ND
LL3EB4-SB-040SN-0002-SO	ND	0.8
LL3EB4-SB-040SN-0003-SO	ND	1.0
LL3EB4-SB-040SN-0005-SO	ND	2.6
LL3EB4-SB-041SN-0002-SO	1.4	ND
LL3EB4-SB-041SN-0003-SO	169	ND
LL3EB4-SB-041SN-0004-SO	1.5	ND
LL3EB4-SB-041SN-0005-SO	1.2	0.8
LL3EB4-SB-042SN-0001-SO	1,760	5.7
LL3EB4-SB-042SN-0001-SO RE	3,700	NA
LL3EB4-SB-042SN-0002-SO	52.8	ND
LL3EB4-SB-042SN-0003-SO	712	3.1
LL3EB4-SB-042SN-0004-SO	1130	5.5

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
LL3EB4-SB-042SN-0005-SO	115	1.0
LL3EB4-SB-043SN-0001-SO	1.1	ND
LL3EB4-SB-043SN-0004-SO	ND	1.1
LL3EB4-SB-043SN-0004-SO DUP	ND	1.2
LL3EB4-SB-044SN-0001-SO	6.0	1.1
LL3EB4-SB-044SN-0002-SO	6.5	1.5
LL3EB4-SB-044SN-0003-SO	2.8	1.6
LL3EB4-SB-044SN-0004-SO	1.7	3.4
LL3EB4-SB-044SN-0005-SO	ND	1.7
LL3EB4-SB-046SN-0001-SO	1.2	ND
LL3EB4-SB-047SN-0002-SO	ND	3.6
LL3EB4-SB-048SN-0002-SO	ND	0.9
LL3EB4-SB-049SN-0001-SO	3.3	ND
LL3EB4-SB-049SN-0003-SO	3.2	ND
LL3EB4-SB-050SN-0001-SO	2.2	ND
LL3EB4-SB-050SN-0003-SO	3.1	ND
LL3EB4-SB-050SN-0003-SO DUP	2.7	1.0
LL3EB4-SB-050SN-0005-SO	2.9	ND
LL3EB4-SB-051SN-0001-SO	2.0	1.0
LL3EB4-SB-051SN-0002-SO	18.7	ND
LL3EB4-SB-051SN-0003-SO	81.7	1.0
LL3EB4-SB-051SN-0004-SO	2.7	1.2
LL3EB4-SB-052SN-0003-SO	5.2	ND
Building EB-4A (Melt Pour):		
LL3EB4A-SB-058SN-0001-SO	41.5	ND
LL3EB4A-SB-058SN-0002-SO	13.4	ND
LL3EB4A-SB-058SN-0003-SO	272	1.7
LL3EB4A-SB-058SN-0004-SO	368	1.5
LL3EB4A-SB-058SN-0005-SO	712	1.6
LL3EB4A-SB-058SN-0005-SO DUP	43.9	ND
LL3EB4A-SB-059SN-0001-SO	52.0	ND
LL3EB4A-SB-059SN-0002-SO	16.5	1.8
LL3EB4A-SB-061SN-0001-SO	ND	1.3
Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
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LL3EB4A-SB-062SN-0002-SO	ND	1.2
LL3EB4A-SB-063SN-0001-SO	ND	3.2
LL3EB4A-SB-063SN-0002-SO	ND	1.5
LL3EB4A-SB-063SN-0003-SO	ND	1.3
LL3EB4A-SB-063SN-0004-SO	ND	1.7
LL3EB4A-SB-064SN-0001-SO	2.5	ND
LL3EB4A-SB-065SN-0001-SO	ND	4.7
LL3EB4A-SB-065SN-0002-SO	ND	2.2
LL3EB4A-SB-065SN-0005-SO	1.0	1.2
LL3EB4A-SB-066SN-0001-SO	15.5	ND
LL3EB4A-SB-067SN-0001-SO	231	5.0
LL3EB4A-SB-067SN-0002-SO	ND	74.5
LL3EB4A-SB-067SN-0003-SO	ND	9.5
LL3EB4A-SB-067SN-0004-SO	ND	1.2
LL3EB4A-SB-067SN-0005-SO	ND	0.9
LL3EB4A-SB-068SN-0004-SO	ND	2.2
LL3EB4A-SB-069SN-0001-SO	3.3	ND
LL3EB4A-SB-069SN-0003-SO	1.1	ND
LL3EB4A-SB-070SN-0001-SO	19.0	1.1
LL3EB4A-SB-070SN-0002-SO	ND	31.3
LL3EB4A-SB-070SN-0003-SO	ND	217
LL3EB4A-SB-070SN-0004-SO	ND	198
LL3EB4A-SB-070SN-0005-SO	ND	36.6
LL3EB4A-SB-071SN-0001-SO	10.9	0.8
LL3EB4A-SB-071SN-0002-SO	0.8	ND
LL3EB4A-SB-072SN-0001-SO	ND	1.3
LL3EB4A-SB-100SN-0001-SO	29.5	12.9
LL3EB4A-SB-100SN-0002-SO	ND	1.6
LL3EB4A-SB-100SN-0003-SO	ND	1.4
LL3EB4A-SB-100SN-0005-SO	ND	1.1
LL3EB4A-SB-101SN-0001-SO	4.0	ND
Building EA-6A (Explosives Preparation):		
LL3EA6A-SB-081SN-0001-SO	2.4	ND

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
LL3EA6A-SB-082SN-0001-SO	723	7.3
LL3EA6A-SB-082SN-0001-SO S2	1,730	NA
LL3EA6A-SB-082SN-0003-SO	29.1	ND
LL3EA6A-SB-082SN-0004-SO	4,020	7.2
LL3EA6A-SB-082SN-0004-SO S2	206	NA
LL3EA6A-SB-082SN-0005-SO	3,750	ND
LL3EA6A-SB-082SN-0005-SO S2	3,920	NA
LL3EA6A-SB-083SN-0001-SO	2.5	ND
LL3EA6A-SB-083SN-0003-SO	24.8	ND
LL3EA6A-SB-083SN-0004-SO	25.1	ND
LL3EA6A-SB-083SN-0005-SO	23.2	ND
LL3EA6A-SB-084SN-0001-SO	5.4	ND
LL3EA6A-SB-084SN-0004-SO	ND	1.3
LL3EA6A-SB-084SN-0005-SO	ND	1.7
Building EA-6 (Explosives Preparation):		
LL3EA6-SB-086SN-0002-SO DUP	ND	3.2
LL3EA6-SB-086SN-0003-SO	ND	0.9
LL3EA6-SB-087SN-0001-SO	ND	1.5
LL3EA6-SB-087SN-0004-SO	ND	1.1
LL3EA6-SB-087SN-0005-SO	ND	ND
LL3EA6-SB-088SN-0001-SO	ND	2.4
LL3EA6-SB-090SN-0002-SO	ND	2.6
LL3EA6-SB-087SN-0003-SO	2.0	1.0
LL3EA6-SB-089SN-0001-SO	1.2	ND
LL3EA6-SB-089SN-0002-SO	48.0	ND
LL3EA6-SB-089SN-0003-SO	113	ND
LL3EA6-SB-089SN-0004-SO	25.6	1.6
LL3EA6-SB-089SN-0005-SO	4,860	1.8
Loa	d Line 4	
Building G-8 (Melt Pour):		
LL4G8-SB-004SN-0004-SO	ND	0.8
LL4G8-SB-011SN-0001-SO	ND	2.6
LL4G8-SB-011SN-0002-SO	1.2	ND

Sample ID	TNT, mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX, mg/kg (Cleanup Goal: 838 mg/kg)
LL4G8-SB-012SN-0003-SO	2.0	ND
Building G-9 (Explosives Screening):		
LL4G9-SB-033SN-0002-SO	1.3	ND

**Bold** indicates cleanup goal exceedance.

ND: Nondetect result. The test kit detection limit for TNT is 0.7 mg/kg; the detection limit for RDX is 0.8 mg/kg.

NA: Not analyzed.

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# Table 3-4 Summary of Field Screening Cleanup Level Exceedances Ravenna Army Ammunition Plant Ravenna, Ohio

		TNT mg/kg
Building/Description	Sample ID	(Cleanup Goal: 1,646 mg/kg)
EB-4/Melt Pour	LL3EB4-SB-042SN-0001-SO	1,760
EB-4/Melt Pour	LL3EB4-SB-042SN-0001-SO RE	3,700
EB-4/Melt Pour	LL3EB4-SB-042SN-0004-SO	1,130 <sup>(1)</sup>
EA-6A/Explosives Preparation	LL3EA6A-SB-082SN-0001-SO S2	1,730
EA-6A/Explosives Preparation	LL3EA6A-SB-082SN-0004-SO	4,020 <sup>(2)</sup>
EA-6A/Explosives Preparation	LL3EA6A-SB-082SN-0005-SO	3,750
EA-6A/Explosives Preparation	LL3EA6A-SB-082SN-0005-SO S2	3,920
EA-6/Explosives Preparation	LL3EA6-SB-089SN-0005-SO	4,860

<sup>(1)</sup> TNT result greater than adjusted cleanup goal of 878 mg/kg (Section 3.5).

 $^{(2)}$  In addition, the fixed laboratory result for LL3EA6A-SB-082A-0004-SO of 2,040 mg/kg exceeded the cleanup goal of 1,646 mg/kg.

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#### Table 3-5 Analytical Data Summary - Correlation Samples Ravenna Army Ammunition Plant Ravenna, Ohio

Analyte	Units	LL3EB4-SB- 038SN-0005-SO 4/4/2008	LL3EB4-SB- 042SN-0004-SO 4/4/2008	LL3EB4-SB- 044SN-0005-SO 4/4/2008	LL3EB4-SB- 037SN-0004-SO 4/4/2008	LL3EB4-SB- 042SN-0005-SO 4/4/2008	LL3EA6A-SB- 082A-0004-SO 4/4/2008	LL3EA6A-SB- 082A-0002-SO 4/4/2008	LL3EA6A-SB- 082A-0001-SO 4/4/2008	LL3EA6A-SB- 082A-0005-SO 4/4/2008	L08040200-10 LL3EA6A-SB- 082A-0003-SO 4/4/2008
1,3,5-Trinitrobenzene	mg/kg	0.244 U	9.84	0.250 U	0.190 J	0.259	2.03	0.461	0.871	1.68	0.243 U
1,3-Dinitrobenzene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.206 J	0.248 U	0.163 J	0.257	0.243 U
2,4,6-Trinitrotoluene	mg/kg	0.244 U	611	0.948	15.2	323	2040	31.7	1740	2620	3.75
2,4-Dinitrotoluene	mg/kg	0.244 U	0.76	0.250 U	0.250 U	0.422	1.97	0.248 U	1.7	2.08	0.243 U
2,6-Dinitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	1.07 N	0.248 U	0.244 U	0.249 U	0.243 U
2-Amino-4,6-dinitrotoluene	mg/kg	0.244 U	1.86	0.250 U	0.250 U	1.96	0.741	0.248 U	0.772	1.45	0.243 U
2-Nitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
3-Nitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
4-Amino-2,6-dinitrotoluene	mg/kg	0.244 U	2.63	0.250 U	0.267	1.72	2.07 N	0.412	1.12 N	5.68	0.243 U
4-Nitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
HMX	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
Nitrobenzene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
Nitroglycerin	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
PETN	mg/kg	1.46 U	1.50 U	1.50 U	1.50 U	1.50 U	1.46 U	1.49 U	1.46 U	1.50 U	1.46 U
RDX	mg/kg	0.244 U	0.849	0.250 U	0.203 J	0.394	0.779 N	0.248 U	1.52 N	1.22	0.243 U
Tetryl	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U

**Bold** indicates detection

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

N = There is presumptive evidence that the analyte is present, but it has not been confirmed. The analyte is tentatively identified. There is an indication that the reported analyte is present, however, all quality control requirements necessary for confirmation were not met.

none of the concentrations was above 10 mg/kg. Table 3-5 indicates the range of detected concentrations of the other explosives as follows:

1,3,5-trinitrobenzene: 0.259 to 9.84 mg/kg

1,3-dinitrobenzene: 0.163 to 0.257 mg/kg

2,4-dinitrotoluene: 0.422 to 2.08 mg/kg

2,6-dinitrotolune: 1.07 mg/kg

2-amino-4,6-dinitrotoluene: 0.772 to 1.96 mg/kg

4-amino-2,6-dinitrotoluene: 0.267 to 5.68 mg/kg

An initial inspection of the screening data versus the fixed laboratory data results for both chemicals indicates considerable variability (Table 3-6).

Correlation and regression analyses were performed to statistically test the strength of the relationship between the field screening results and the fixed laboratory results (STATISTICA Version 8 software). A linear regression was performed to determine the statistical correlation (Pearson's) between the field screening and fixed lab TNT data sets. The plot of residuals versus the fixed lab results showed that the assumption of a constant error variance was violated. The linear regression model assumes that the standard deviations of the error terms (the part of the equation not explained by the independent variable) must be constant and not dependent on the independent variable (i.e., the fixed laboratory results, in this case). A common technique to remedy this is to transform the data. A transformation (natural log) of the field screening and fixed lab TNT results was then applied to correct for this problem. The regression equation, using the transformed data points, and a plot are shown below:

# Table 3-6 Comparison of Field Screening and Fixed Laboratory Data Ravenna Army Ammunition Plant Ravenna, Ohio

	2,4,6-Trinitro	otoluene (TNT)	R	DX
	Screening	Microbac	Screening	Microbac
Sample ID	mg/kg	mg/kg	mg/kg	mg/kg
LL3EB4-SB-038SN-0005-SO	0.7 U	0.244 U	0.8 U	0.244 U
LL3EB4-SB-042SN-0004-SO	1130	611	5.51	0.849
LL3EB4-SB-044SN-0005-SO	0.7 U	0.948	1.73	0.250 U
LL3EB4-SB-037SN-0004-SO	8.20	15.2	0.8 U	0.203 J
LL3EB4-SB-042SN-0005-SO	115	323	0.98	0.394
LL3EA6A-SB-082A-0001-SO	1728	1740	7.33	1.52 N
LL3EA6A-SB-082A-0002-SO	15	31.7	0.8 U	0.248 U
LL3EA6A-SB-082A-0003-SO	0.87	3.75	0.8 U	0.243 U
LL3EA6A-SB-082A-0004-SO	206	2040	7.2	0.779 N
LL3EA6A-SB-082A-0005-SO	3916	2620	0.8 U	1.22

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

N = There is presumptive evidence that the analyte is present, but it has not been confirmed.

# SECTION THREE



As shown on the plot, the Pearson Correlation is 0.995 and the  $R^2$  value is 0.912. A correlation coefficient close to 1 indicates a strong linear relationship. Therefore, a fairly strong linear relationship has been demonstrated between the field screening method and the fixed laboratory analyses.

The regression equation shown on the plot can be used to evaluate quantitatively the low bias observed with the screening data. This would help in determining whether the screening effort was successful in detecting cleanup goal exceedances and whether incorrect decisions were made as to whether a building footprint should have been covered in anticipation of remediation. As shown on the plot, a fixed laboratory result at the TNT cleanup goal of 1,646 mg/kg would be estimated as a field screening result of 878 mg/kg. This means that a field screening result between 878 mg/kg and the cleanup goal of 1,646 mg/kg will be interpreted as an exceedance. This happened in one of the field screening results (Sample ID LL3EB4-SB-042SN-0004-SO). This particular location was covered with plastic, however, since another portion of the same core did exceed the TNT cleanup level.

Although the potential for an incorrect decision appears low, screening results above 878 mg/kg will be considered exceedances for the purposes of making remediation decisions. With respect to the 10 pairs of correlation samples, one incorrect decision was made. A false negative

decision (no exceedance of the cleanup level when there was one) was made at LL3EA6A-SB-082A-0004-SO. This location was covered with plastic since other portions of the same core (the first and last intervals) indicated a cleanup goal exceedance.

Due to the high degree of censoring (percentage of nondetects) in the RDX data sets, a regression is highly uncertain and not useful in quantifying the relationship between the two sets of data. With respect to correlation, however, the nonparametric Spearman Rank Order Correlation test, which tests the strength of the relationship (which may not necessarily be linear) between the two sets of data, was used. The results indicate a correlation coefficient of 0.679, which is significant at the 0.05 level. Thus, there is some relationship between the two analytical methods. There does not appear to be a low bias in the RDX screening analyses since whenever RDX was detected in the screening sample, it was detected at a level higher than in the fixed laboratory analysis. There also does not seem to be a significant high bias in the screening results.

There is considerable uncertainty in applying correlation and regression analyses for decisionmaking. In addition, there are several reasons that may have contributed to the observed low bias of the TNT screening results. The following uncertainties should be considered:

- The heterogeneity of the soil matrix. The sample collected from core #82A at Building EA-6A (fourth interval) was reported by the laboratory at 2,040 mg/kg TNT, but the screening sample result was 206 mg/kg. This sample pair represents the largest difference among the 10 pairs. The core that was selected for correlation analysis was a duplicate of a boring collected earlier at the same location. The TNT concentration in that original boring interval was 4,020 mg/kg, which compares more favorably to the fixed lab result of 2,040 mg/kg. Thus, the variability in results may be due more to the heterogeneity of the soil rather than the inability of the screening tests to accurately measure the TNT concentration.
- Only ten correlation samples were analyzed by the fixed laboratory. This is a small number of observations for recognizing trends and drawing conclusions.
- The two analytical methods differ greatly in the way the samples are prepared prior to analysis. The screening sample is manually homogenized to the extent possible in the screening lab; the fixed lab sample is dried, sieved, and ground to a fine powder. The latter methodology results in a more representative sample for analysis and the screening methodology results in a less homogenized and more variable sample. In addition, the extraction method of the screening analysis (a 3-minute shake with acetone) may be less efficient that done in a fixed laboratory (18-hour sonication).
- Nondetect values were reported in two of the correlation sample pairs. Each analytical methodology has a different detection limit. In evaluating the correlation, a value must be selected to represent the concentration (one-half the detection limit was used). This introduces uncertainty into the evaluation since the "true" value of the nondetect could be somewhere between zero and the detection limit.

Based on the statistical analyses, it is recommended that the low bias of the TNT screening results be conservatively factored in to decisions to cover a particular building footprint.

Remediation will be conducted at locations where the TNT screening results are at or above 878 mg/kg.

## 3.6 ADDITIONAL SCREENING RESULTS

Table 3-7 summarizes the additional field screening results for samples collected outside building footprints. Most of these samples were collected from visually impacted areas and contained the highest levels of TNT (up to 29,900 mg/kg). These additional areas are depicted on Figures 3-1 and 3-2.

## 3.7 ADDITIONAL FIXED LABORATORY RESULTS

On two occasions, samples were collected from visually impacted areas outside the building footprints and were sent to the fixed laboratory for analysis. Tables 3-8 and 3-9 provide the analytical data results from those samples. The highest detected concentrations were for TNT.

In the five soil samples, the TNT concentrations ranged from 36.6 to 27,800 mg/kg. RDX concentrations ranged from 1.7 to 6.89 mg/kg. Additional explosives compounds were detected, similar to those detected in the correlation samples (Table 3-5). None of the metal concentrations appeared elevated with respect to either cleanup goals in the IROD or preliminary facility-wide cleanup goals. It is noted that the facility-wide cleanup goals are preliminary draft, and will change pending review by Ohio EPA and other stakeholders.

The surface water sample results were compared to the Ohio River basin aquatic life criteria (Table 9). Six explosives exceeded the Outside the Mixing Zone Average (OMZA) in at least one of the two samples. Preliminary draft facility-wide cleanup levels have also been calculated based on a National Guard Trainee exposure scenario (SAIC, 2008). These preliminary values are generally much higher than the OMZA values. Nonetheless, the detected levels in the two surface water samples exceed the facility-wide surface water cleanup goals for TNT and 2,4-DNT. These facility-wide cleanup goals are preliminary and will change pending review by Ohio EPA and other stakeholders.

# Table 3-7 Summary of Additional Screening Outside Building Footprints Ravenna Army Ammunition Plant Ravenna, Ohio

Sample ID	TNT mg/kg (Cleanup Goal: 1,646 mg/kg)	RDX mg/kg (Cleanup Goal: 838 mg/kg)
LL4G13VP1-SS-017SN-0001-SO	ND	ND
Pink Water 1	1.0	0.8
Pink Water 2	4.7	3.6
Pink Water 3	9.9	1.9
Pink Water 4	23.6	2.9
LL2DB4-PIT	23,000	74.2
LL2DB10-SCREEN 1	2,730	7.9
LL2DB10-SCREEN 2	3,380	16.0
LL2DB10-SCREEN 3	4,710	9.6
LL2DB10-SCREEN 3 DUP	4,260	16.3
LL3EB4A URS-EPA 1	29,900	94.2
LL3EB4A URS-EPA 2	57.3	3.8
LL3EB4A URS-EPA 3	344	5.9
LL3EB4A URS-EPA 4	2,250	12.1

**Bold** indicates exceedance of cleanup goal.

#### Table 3-8 Analytical Data Summary - Soil Samples at DB-4A and EB-4A Ravenna Army Ammunition Plant Ravenna, Ohio

r	-					1
Analyte	Units	LL3EB4A- EPA1SS	LL3EB4A- EPA2SS	LL3EB4A- EPA3SS	LL3EB4A- EPA4SS	LL2DB4A- SS-104SN-0001
EXPLOSIVES						
1,3,5-Trinitrobenzene	mg/kg	19.6	0.851	1.3	6.82	2.48 U
1,3-Dinitrobenzene	mg/kg	1.47 J	0.247 U	0.248 U	0.157 J	2.48 U
2,4,6-Trinitrotoluene	mg/kg	27800	209	272	3670	36.6
2,4-Dinitrotoluene	mg/kg	17.1	0.188 J	0.160 J	1.94	2.48 U
2,6-Dinitrotoluene	mg/kg	0.646 N	0.247 U	0.248 U	0.250 U	2.48 U
2-Amino-4,6-dinitrotoluene	mg/kg	5.14 J	0.975	0.533	1.82	2.48 U
2-Nitrotoluene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
3-Nitrotoluene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
4-Amino-2,6-dinitrotoluene	mg/kg	4.71 N	1.53	0.724	1.98 J	1.63 J
4-Nitrotoluene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
НМХ	mg/kg	1.23 J	0.247 U	0.248 U	0.967	2.48 U
Nitrobenzene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
Nitroglycerin	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
PETN	mg/kg	1.50 U	1.48 U	1.49 U	1.50 U	14.9 U
RDX	mg/kg	6.89 J	2.47 U	0.248 U	1.91	1.70 J
Tetryl	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
METALS	00					
Aluminum, Total	mg/kg	11700	13300	13300	11000	
Barium, Total	mg/kg	84.3	65.1	81.7	64.1	
Beryllium, Total	mg/kg	0.703	0.712	0.775	0.633	
Cadmium, Total	mg/kg	37.2	1.26	1.36	7.3	
Calcium, Total	mg/kg	12500	5960	10900	4850	
Chromium, Total	mg/kg	18.9 J	17.3 J	17.6 J	16.6 J	
Cobalt, Total	mg/kg	8.34 JI	10.5 JI	10.2 JI	9.81 JI	
Copper, Total	mg/kg	32.3	21.9	19.6	21.5	
Iron, Total	mg/kg	22900	29400	22900	21800	
Magnesium, Total	mg/kg	3900	3810	3720	3040	
Manganese, Total	mg/kg	344 J	317 J	334 J	310 J	
Potassium, Total	mg/kg	1430 JI	1530 JI	1390 JI	1260 JI	
Silver, Total	mg/kg	0.207 J	0.201 J	0.320 J	0.366 U	
Sodium, Total	mg/kg	127	89.3	105	69.6	
Vanadium, Total	mg/kg	17.9	20.4	19.2	16.8	
Zinc, Total	mg/kg	186	81.1	87.2	91	1
Antimony, Total	mg/kg	RI	RI	RI	RI	1
Arsenic, Total	mg/kg	10.3	11.4	10.5	10.7	1
Lead, Total	mg/kg	70.7	21.3	90.1	28	1
Nickel, Total	mg/kg	22.8	25.1	23.5	22.9	1
Selenium, Total	mg/kg	0.274 JI	0.285 JI	0.366 JI	0.297 JI	1
Thallium, Total	mg/kg	0.159	0.191	0.143	0.17	1
Mercury, Total	mg/kg	0.173	0.0252 J	0.0327 J	0.0342 J	1

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

JI = Estimated concentration because of a matrix effect, evidenced by a matrix spike recovery outside of control limits (but greater than 30%).

RI = The nondetect sample result was rejected due to a recovery below 30% in the associated matrix spike. The presence or absence of the analyte could not be verified. The result is not usable.

N = There is presumptive evidence that the analyte is present, but it has not been confirmed. The analyte is tentatively identified. There is an indication that the reported analyte is present, however, all quality control requirements necessary for confirmation were not met.

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### Table 3-9 Analytical Data Summary - Water Samples at DB-4A and EB-4A Ravenna Army Ammunition Plant Ravenna, Ohio

Analyte	Units	Surface Water Criteria, ug/L <sup>(1)</sup>	LL3EB4A- EPA3SW	LL2DB4A- GW-100SN
EXPLOSIVES				
1,3,5-Trinitrobenzene	ug/L	11	397	1370
1,3-Dinitrobenzene	ug/L	22	10.2 U	102 U
2,4,6-Trinitrotoluene	ug/L	13	7310	1470
2,4-Dinitrotoluene	ug/L	44	10.1 J	84.4 J
2,6-Dinitrotoluene	ug/L	81	10.2 U	102 U
2-Amino-4,6-dinitrotoluene	ug/L	18	102	263
2-Nitrotoluene	ug/L	71	10.2 U	102 U
3-Nitrotoluene	ug/L	42	10.2 U	102 U
4-Amino-2,6-dinitrotoluene	ug/L	11	125	339
4-Nitrotoluene	ug/L	46	10.2 U	102 U
НМХ	ug/L	220	8.14 J	104
Nitrobenzene	ug/L	380	10.2 U	102 U
Nitroglycerin	ug/L	18	10.2 U	102 U
PETN	ug/L		76.5 U	765 U
RDX	ug/L	79	70.9	960
Tetryl	ug/L		10.2 U	102 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

<sup>(1)</sup> Ohio River Basin Aquatic Life Criteria, Ohio Administrative Code (OAC) 3745-1-32 Value shown is the Outside the Mixing Zone Average. Shaded cell indicates detected exceedance.

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# 4.1 SUMMARY OF CLEANUP GOAL EXCEEDANCES

No exceedances of either the TNT or RDX cleanup goals were detected during the field screening investigation at either the low or medium potential buildings. Based on this post-slab removal sampling, explosive contamination beneath the floor slabs at these buildings was not detected, and no remediation appears warranted. However, the final determination regarding remediation at the low and medium potential buildings will be based on the results of the MI sampling.

There were no RDX exceedances at any high potential building at any load line. Exceedances for TNT were identified at three buildings in Load Line 3: Buildings EB-4, EA-6, and EA-6A. Eight exceedances (based on TNT screening levels greater than 878 mg/kg) ranged from 1,130 to 4,860 mg/kg. These areas were covered with plastic within 2 days of the completion of screening analyses. The exceedances at Building EB-4 occurred in one soil core sample at the two depths. At Building EA-6A, three portions of one soil core sample exceeded the TNT cleanup goal. An exceedance at Building EA-6 occurred in one soil core sample but only at the bottom depth location. Based on this post-slab removal sampling, there is evidence of explosive contamination above cleanup goals beneath the floor slabs at melt pour and TNT screening buildings within Load Line 3.

# 4.2 CLEANUP GOAL EXCEEDANCES OUTSIDE BUILDING FOOTPRINTS

Additional samples were field screened primarily at Load Lines 2 and 3. At Load Line 2, additional samples were collected at Building DB-4 (sample ID LL2DB4-PIT), Building DB-10 (sample IDs LL2DB10-SCREEN 1 through 3), and Building DB-4A (Sample IDs Pink Water 1 through 4). At Load Line 3, contingency core samples were collected at Building EB-4A (sample IDs LL3EB4A-SB-100SN and LL3EB4A-SB-101SN) and additional samples (at the location where Ohio EPA had sampled after screening) were collected near Building EB-4A (Sample IDs LL3EB4A URS-EPA 1 through 4).

TNT was detected in all the additional samples at these two load lines and seven of the additional sample concentrations were above the TNT cleanup goal. Exceedances for the additional screening samples were detected at Load Line 2 in samples LL2DB10-SCREEN 1 through 3 and LL2DB4-PIT. These samples were collected near visibly contaminated areas outside building footprints. At Load Line 3 an additional TNT exceedance was observed near Building EB-4A.

# 4.3 SUMMARY OF EXCAVATION AREAS

The screening effort identified areas at three high potential buildings at Load Line 3 that exceeded the cleanup levels for TNT. These areas are noted for future remediation excavation work as indicated on Figures 4-1 and 4-2. These three areas are summarized below:

• Building EB-4, Northeast corner of footprint and north sump area (EB-4-WN). This area exceeded the TNT cleanup level down to approximately 3 feet bgs (the deepest interval sampled was 2.9 feet, because of refusal). Figure 4-1 indicates an area approximately 40 feet by 80 feet by 4 feet deep that will require excavation.





- Building EA-6. This area exceeded the TNT cleanup level in the deepest interval screened (4 feet). Figure 4-2 indicates an area approximately 20 feet by 20 feet by 5 feet deep that will require excavation.
- Building EA-6A. This area exceeded the TNT cleanup level in both the shallowest and deepest intervals screened from the coring collected in the northeast corner. Figure 4-2 indicates an area approximately 40 feet by 40 feet by 5 feet deep that will require excavation.

Additionally, based upon field observations, there is explosive contaminated soil not fully delineated by the screening effort. Two of these additional areas are near the Load Lines 2 and 3 melt pour buildings and associated sump areas. The melt pour sumps appear to have contributed to pink water emanating from the Load Lines 2 and 3 melt pour east foundations after slab removal. The elevator sump excavation at DB-4 was visually impacted at 3.5 feet bgs downgradient of the north sump. This area may be impacted to the east building foundation.

The screening samples or fixed laboratory samples collected outside the building footprints indicate three areas where remediation is warranted. They are:

- At Load Line 2, the North Elevator sump area (near Building DB-4) and the north sump area (near Building DB-4-WN) (Figure 4-3). The highest levels of TNT in the screening effort were observed in the pit area excavated around the north elevator sump. The pit currently contains standing water that was pink in color shortly after the slab removal effort. This pit will require excavation of the visually impacted zone at approximately 3 feet bgs. Based on limited information regarding the extent of contamination, this removal area is approximately 60 feet by 60 feet by 4 feet deep.
- At Load Line 2, the area near DB-10 and DB-10-VP-2 (Figure 4-4). A large piece of TNT was removed from this area during the screening investigation. The area seems to be surficially impacted, but no samples were collected at depth. Therefore, the depth to which excavation may be required is unknown. Based on the limited information regarding the extent of contamination, this removal area is approximately 20 feet by 60 feet by 2 feet deep.
- At Load Line 3 outside the northeast corner of Building EB-4A and the sump area (EB-4A-WN) (Figure 4-5). This area was identified by soil staining that occurred after the field screening sample was collected. Additional samples indicated the TNT cleanup goal exceedance. The sump area appears to be the source of contamination. Excavation of the sump is warranted. Based on the limited information regarding the extent of contamination, this removal area is approximately 40 feet by 60 feet by 4 feet deep.

Based upon observations and findings during this investigation, it is also apparent that these areas of potential impact are not delineated only by the building footprints. The impacted areas will require additional characterization to support area excavation. This will be done by collecting field screening confirmation samples once visually impacted soil is removed. If cleanup goals are not exceeded, the final MI soil samples can then be collected.



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DEPTH INTERVAL	TNT CONC. MG/KG
001	19.0
002	ND
003	ND
004	ND
005 (4 FT.)	ND

	DEPTH	TNT CONC. MG/KG
	001	4.0
-	002	ND
	003	ND
	004	ND
	005 (4 FT.)	ND

In addition to excavation extent issues, the soil will need to be tested to determine whether it is Resource Conservation and Recovery Act (RCRA) hazardous, based on the concentrations of dinitrotoluene (DNT) found in the limited fixed laboratory samples collected during this sampling effort. Table 3-8 indicates that the 2,4-DNT concentration detected in sample LL3EB4A-EPA1SS was more than 20 times the toxicity characteristic leaching procedure (TCLP) limit of 0.13 mg/L. Depending on the results of the multi-increment (MI) samples collected subsequent to the screening effort, there may be other chemicals that pose a similar concern.

Jenkins (2008). Quality Assurance Inspections - Ravenna AAP. March 28, 2008.

- SAIC. 2001. <u>Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio.</u> Prepared for the U.S. Army Corps of Engineers, Louisville District. March 2001.
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APPENDIX A Load Line Summaries

#### Summary of Field Activities, Load Line 2

BLDG. #	FUNCTION	Potential (1)	Sample No	BRAC Cleared	Sampled	Comments/Notes/Remarks
DC-1	Boiler House / Power House 2	М	86	15-Apr	18-Apr	
DB-2	Paint and Oil Storage / Service Bldg	М	3	11-Apr	11-Apr	
DB-3	Receiving & Painting Bldg / Shell Receiving Bldg	М	5	16-Apr	18-Apr	
DB-4	Melt Loading Bldg / Melt Loading Bldg and SPCC	Н	34 to 50	23-Apr	18-23 Apr/21,22 May*	4/18 noted visual contamination east end of walkway and in pit around elevator
						casing at NE end. Additional screening sample collected. Area covered 4/23.
DB-4A	Melt Loading Bldg / Melt Loading Bldg and SPCC	Н	13 to 29	17-Apr	17-18 Apr/8-21,22 May*	Additional samples collected near pink water area. Area covered 4/23.
DB-4WN	Annex Building, Washout Bldg, North Annex	М	52	23-Apr	18-23 Apr	Incorporated into core samples for DB-4 as per Figure 3-1 of the Work Plan.
DB-4WS	Annex Building, Washout Bldg, South Annex	М	51	23-Apr	18-23 Apr	Incorporated into core samples for DB-4 as per Figure 3-1 of the Work Plan.
DB-4VP1	Vacuum Pump House	L	87	16-Apr	22-May	Footprint covered with water after slab removal. Area covered with plastic on 4/21/08
						until footprint was accessible for sampling.
DB-4AWN	Annex Building, Washout Bldg, North Annex	М	30	17-Apr	18-Apr	Incorporated into core samples for DB-4A as per Figure 3-1 of the Work Plan.
DB-4AVP1	Vacuum Pump House	L	88	16-Apr	17-Apr	
DB-4AWS	Annex Building, Washout Bldg, South Annex	М	10	17-Apr	18-Apr	Incorporated into core samples for DB-4A as per Figure 3-1 of the Work Plan.
DA-5	Ammonium Nitrate Service Building / Service Bldg	М	85	8-May	8-May	
DA-6	High Explosive Prep Bldg / Explosive Prep Bldg	Н	73 to 77	8-May	7-May	
DA-6A	High Explosive Prep Bldg / Explosive Prep Bldg	Н	80 to 84	8-May	8-May	
DA-7	TNT Service Bldg / Service Bldg	М	70	7-May	7-May	
DB-8	Change House	L	31	18-Apr	18-Apr	
DB-8A	Change House	L	59	22-Apr	23-Apr	
DB-9	Booster Service Bldg / Service Bldg	М	55	8-May	8-May	
DB-9A	Booster Service Bldg / Service Bldg	М	8	16-Apr	17-Apr	
DB-10	Drilling & Boostering Bldg / Drilling & Assembly Bldg	Н	90 to 103	8-May	30-Apr/8,9,21, 22 May*	Additional samples collected where product removed. Area between DB-10 and
						DB-10VP2 covered 5/16.
DB-10VP1	Vacuum Pump Bldg / Vacuum Pump House	L	57	22-Apr	23-Apr	
DB-10VP2	Vacuum Pump Bldg / Vacuum Pump House	L	56	22-Apr	23-Apr	See Note above.
DB-11	Fuze Service Bldg / Service Bldg	М	60	22-Apr	23-Apr	
DB-13	Assembly & Shipping / Packing and Shipping Bldg	L	64	24-Apr	24-Apr	
DB-13A	T. Barricade Shipping / Shell Storage	L	65	24-Apr	24-Apr	
DB-13B	Shipping Warehouse Annex	L	62	24-Apr	24-Apr	
DB-19	Elec Locomotive Service / Service Bldg	М	2	16-Apr	17-Apr	
DB-20	Line Office / Service Bldg	М	4	16-Apr	17-Apr	
DA-21	TNT Box Bldg / Service Bldg	М	71	7-May	7-May	
DB-22	Change House	L	6	17-Apr	17-Apr	
DB-25	Washout Bldg	М	7	17-Apr	17-Apr	
DB-26	X-Ray Bldg / Radiographic Bldg	М	63	24-Apr	24-Apr	
DB-27	Maj Cal Pro Ldg / Cyclic Building Heating # 2	L	68	30-Apr	30-Apr	
DB-27A	Maj Cal Pro Ldg / Cyclic Building Heating # 1	L	66	30-Apr	30-Apr	
DB-27B	Maj Cal Pro Ldg / Boiler Plant	L	67	30-Apr	9-May	
DB-27C	Maj Cal Pro Ldg / Shipping Bldg	L	69	7-May	7-May	
DA-28	Rotary Lift Pump House / Elevator Machine House	L	72	7-May	8-May	
DA-28A	Rotary Lift Pump House / Elevator Machine House	L	79	8-May	8-May	
DB-29	Elevator Machine House	L	61	24-Apr	24-Apr	
DB-30	Elevator Machine House	L	104	22-May	22-May	
DB-802	Inert Storage	L	1	8-May	8-May	
2-51	Time Clock Alley / Clock Alley	L	32	17-Apr	18-Apr	
2-51A	Gate House Annex / Load Line Office	L	33	17-Apr	18-Apr	

(i) H = High potential building, M = Medium potential building, L = Low potential building as designated in Work Plan.
\* - Bldg sampled on multiple dates due to demolition debris covering a portion of the footprint.

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### Summary of Field Activities, Load Line 3

BLDG. #	FUNCTION	Potential (1)	Sample No.	BRAC Cleared	Sampled	Comments/Notes/Remarks
EB-2	Paint & Oil Storage / ServiceBuilding	М	2	27-Mar	28-Mar	
EB-3	Receiving & Painting / Shell Receiving Bldg	М	1	27-Mar	28-Mar	
EB-4	Melt Loading Bldg / Melt Load Bldg	н	37 to 52	1-Apr	4/4;4/30	Multiple refusals; TNT exceedance; plastic covered 4/8
EB-4WN	Washout Bldg , North Annex / Washout Annex	М	See EB-4	2-Apr	4-Apr	Incorporated into core samples for EB-4 as per Figure 3-1 of the Work Plan.
EB-4WS	Washout Bldg , South Annex / Washout Annex	М	See EB-4	2-Apr	4-Apr	Incorporated into core samples for EB-4 as per Figure 3-1 of the Work Plan.
EB-4VP1	Vacuum Pump Bldg / Vacuum Pump House	L	33	2-Apr	3-Apr	
EB-4A	Melt Loading Bldg / Melt Load Bldg	Н	58 to 74	2-Apr	4/3;4/24	TNT Exceedance Core # 42. Covered with plastic on 4/8. Two contingency cores collected outside sumps
EB-4AWN	Washout Bldg , North Annex / Washout Annex	М	See EB-4A	2-Apr	3-Apr	Incorporated into core samples for EB-4A as per Figure 3-1 of the Work Plan.
EB-4AWS	Washout Bldg , South Annex / Washout Annex	М	See EB-4A	2-Apr	3-Apr	Incorporated into core samples for EB-4A as per Figure 3-1 of the Work Plan.
EB-4AVP1	Vacuum Pump Bldg / Vacuum Pump House	L	75	18-Apr	18-Apr	
EA-5	Ammonium Nitrate Service / Service Building	М	80	9-Apr	10-Apr	
EA-6	High Explosive Prep / Explosive Preparation Bldg	Н	86 to 90	9-Apr	10-Apr	TNT exceedance, Core #89. Covered with plastic on 4/11.
EA-6A	High Explosive Prep / Explosive Preparation Bldg	н	81 to 85	27-Mar	3/28;4/4	TNT exceedance, Core #82. Covered with plastic on 4/4.
EA-7	TNT Service Bldg / Service Bldg	М	30	9-Apr	10-Apr	
EB-8	Change house	L	4	27-Mar	28-Mar	
EB-8A	Change house	L	6	2-Apr	4-Apr	
EB-9	Booster Service Bldg / Service Bldg	М	32	2-Apr	3-Apr	
EB-9A	Booster Service Bldg / Service Bldg	М	76	3-Apr	2-Apr	
EB-10	Drilling and Boostering / Drilling & Assembly Bldg	н	13 to 27	3-Apr	4/7 and 4/10	Multiple refusals during coring.
EB-10A	X-ray Bldg / Radiographic Bldg	М	See EB-10	3-Apr	7-Apr	Incorporated into core samples for EB-10 as per Figure 3-1 of the Work Plan.
EB-10VP1	Vacuum Pump Bldg / Vacuum Pump House	L	28	2-Apr	3-Apr	
EB10-VP2	Vacuum Pump Bldg / Vacuum Pump House	L	29	2-Apr	3-Apr	
EB-11	Fuze Service Bldg / Service Bldg	М	11	3-Apr	4-Apr	
EB-13	Assembly and Shipping / Packing & Shipping Bldg	L	7	9-Apr	10-Apr	
EB-13A	Barricade & Shipping Bldg / Car Barricade	L	8	9-Apr	10-Apr	
EB-13B	Shipping Warehouse Annex	L	9	9-Apr	10-Apr	
EB-19	Electric Locomotive Service / Service Bldg	М	1	27-Mar	28-Mar	
EB-20	Line Office Bldg / Line Office	L	79	27-Mar	2-Apr	
EA-21	TNT Box Building / Service Bldg	М	31	9-Apr	10-Apr	
EB-22	Change House	L	3	27-Mar	28-Mar	
EB-25	Washout Bldg	М	77	2-Apr	2-Apr	
EB-26	Elevator Machinery Bldg	L	NA	NA	Not Sampled	Slab once attached to Bldg EB-13. Could not be identified separately. Field sample incorporated into sample for EB-13.
EA-28	Rotary Lift Pump House / Elevator Machine House	L	34	9-Apr	10-Apr	
EA-28A	Rotary Lift Pump House / Elevator Machine House	L	54	27-Mar	28-Mar	
3-51	Clock Alley	L	5	27-Mar	28-Mar	
3-51A	Gate House Annex / Load Line Office	L	55	27-Mar	28-Mar	
(1)	H = High potential building, M = Medium potential buildin					

<sup>(1)</sup> H = High potential building, M = Medium potential building, L = Low potential building as designated in Work Plan.

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Summary of Field Activities, Load Line 4

BLDG. #	FUNCTION	Potential <sup>(1)</sup>	Sample No.	BRAC Cleared	Sampled	Comments/Notes/Remarks
G-2	Paint Storage	М	29	27-Mar	28-Mar	
G-4	Boiler House / Power House # 7	М	2	18-Mar	21-Mar	
G-5	Line Office Bldg / Line Office	L	1	18-Mar	14-Mar	
G-6	Change House	L	35	2-Apr	2-Apr	
G-6A	Change House	L	28	27-Mar	28-Mar	
G-7	Booster Service Bldg / Not In Use	L	3	21-Mar	21-Mar	
G-8	Melt Pour Bldg	н	4 to 15	21-Mar	21-Mar	
G-8VP1	Vacuum Pump Bldg / Vacuum Pump House	L	24	27-Mar	28-Mar	
G-9	T.N.T Service Bldg / Explosive Screening Receiving	н	33 to 34	27-Mar	28-Mar	
G-10	Nitrate Screening	L	39	2-Apr	2-Apr	
G-11	Ammonium Nitrate Service / Magazine	М	23	27-Mar	28-Mar	
G-12	Cooling Bldg / Explosive Cooling Bldg	М	16	21-Mar	21-Mar	
G-12A	Cooling Bldg / Explosive Cooling Bldg	М	22	27-Mar	28-Mar	
G-12VP1	Vacumn Pump Bldg / Vacuum Pump House	L	25	27-Mar	28-Mar	
G-13	Top Pour Bldg / Funnel Removal & Face Off	М	20	27-Mar	28-Mar	
G-13A	Maj Cal Pro Ldg / X-ray	М	19	27-Mar	28-Mar	
G-13VP1	Vacumn Pump Bldg / Vacuum Pump House	L	18	27-Mar	28-Mar	
G-13VP2	Vacumn Pump Bldg / Vacuum Pump House	L	30	27-Mar	28-Mar	
G-14	Booster Service	L	Not Sampled		-	G-14 replaced with G-13A during last period of operation.
G-15	T.N.T Service Bldg / Explosive Prep Receiving	н	31 to 32	27-Mar	28-Mar	
G-16	T.N.T Service Bldg / TNT Receiving	М	21	27-Mar	28-Mar	
G-17	Component Service Bldg / Supplementary Charges Magazine	М	26	27-Mar	28-Mar	
G-18	Paint Storage Bldg / Paint Storage	М	27	27-Mar	28-Mar	
G-19	Assembling, Packing & Shipping / Pack & Assemble	М	37	2-Apr	2-Apr	
G-19A	Shipping Building	L	38	2-Apr	2-Apr	
G-20	Time Clock Alley / Gate House	L	36	14-Apr	18-Apr	

<sup>(1)</sup> H = High potential building, M = Medium potential building, L = Low potential building as designated in Work Plan.

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APPENDIX B BRACD Quality Assurance Surveillance Forms

# **APPENDIX B INTRODUCTION**

This appendix contains the quality assurance surveillance forms filled out by BRACD once a floor slab at a specific building is removed. Because these forms contain handwritten information, this appendix is not accessible (i.e., Section 508 compliant).

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# QUALITY ASSURANCE SURVEILLANCE OF

FLO	OR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $\underline{G4}$ to grade. $3-17-0\%$
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-18-08
Compliance (Exceeded, Met, Partially Met)	3-18-08 Partially Met
Comments	Concrete sufficiently removed & stack piled to permit URS to complete initial sampling. area still contains chunks g concrete, to ood & steel.
COR Signature	UBUNGU CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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# QUALITY ASSURANCE SURVEILLANCE OF

FLO	OR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $\underline{G5}$ to grade. $\underline{3-17-08}$
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-18-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
Comments	Partially Met Concrete is sufficiently removed to permit URS to complete enitial Sampling. area still contains complete enitial Sampling. area still contains come onciete, woods stell to be removed printing grading
COR Signature	13/ mg CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

SHIPPED MAR 18 2008

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G	QUALITY ASSURANCE SURVEILLANCE OF
FI	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $\underline{G4}$ to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-2008
Compliance (Exceeded, Met, Partially Met)	3-21-2008 Partially met
Comments	Major concrete in remain to sized - Debus of concrete, what & steel remain for later change surface and tim suitable for sampling
COR Signature	dig Bleign CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

	QUALITY ASSURANCE SURVEILLANCE
FI	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
ask Deliverable	Removal of Floor Slab and Foundation of Building <u>G7</u> to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	3-21-08 Partially met
Comments	Mojor concrete is removed + sized. Debus 7 concrete wood + stee for later cleanup Serface condition suitable for samplez
COR Signature	Jung Blerger CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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C	UALITY ASSURANCE SURVEILLANCE OF
FL	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Buildings G7 & G8 to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup.
Date of Surveillance	21-Mar-08-
Compliance (Exceeded, Met, Partially Met)	Partially met
	Contractor has removed sufficient concrete from the area of the
	building footprint to allow sampling by the IRP contractor.
Comments	Scattered pieces of concrete, rebar and wood materials remain and will require cleanup prior to approval for final grading or wait till any standing water receeds.
COR Signature	Mage CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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G	QUALITY ASSURANCE SURVEILLANCE OF
FI	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building <u><math>G \Theta</math></u> to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	3-21-08 Partially met
Comments	Major concrete is removed I sized. Debus of concrete, wood stul remain fiel later cleanup surface is suitable for sampling
COR Signature	Twey Blergen CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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QUALITY ASSURANCE SURVEILLANCE OF	
FI	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $G/2 to grade.$
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	3-21-08 Partially met
Comments	Mojir évanieté is removo and siged. Debus 7 concrete, word & stul remain fix later cleanup furface is suitable fix samples
COR Signature	Awez Blesger CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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QUALITY ASSURANCE SURVEILLANCE OF	
	Demolition of Load Line 4 @ Ravenna AAP
Contract Name	
Contract No	DAAA09-03-C-0024 CLIN 0007
Fask Deliverable	Removal of Floor Slab and Foundation of Building $\underline{G12}$ A to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	Portially Met
_	Mojor concrete is removed but not yet siged Concrete must be sized & surfaces of soil leveled to remove dup with & remaining longe pieces of concrete
Comments	
	area is not yet ready for sampling.
COR Signature	Awy Blorge CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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ے ا	QUALITY ASSURANCE SURVEILLANCE OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $(-13)$ to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	3-21-08 Partially met
Comments	Mojor concrete in removed & partly sized. Delre of dincute, wood & stul remain and area needs Nevelid for sope access area not get clear. for sampling
COR Signature	Junglesgu CC: MKM/PIKA & UF
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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OF		
FI	OOR SLAB & FOUNDATION REMOVAL	
Contract Name	Demolition of Load Line 4 @ Ravenna AAP	
Contract No	DAAA09-03-C-0024 CLIN 0007	
Task Deliverable	Removal of Floor Slab and Foundation of Building $G/3A$ to grade.	
Aceptable	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.	
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.	
Frequency of Surveillance	Once at completion of cleanup	
Date of Surveillance	3-21-08	
Compliance (Exceeded, Met, Partially Met)	Partially met	
	Major cincrete is removed and partially signa. Debris openciete, wood & studiemain: ava requiris levelen for safe access	
Comments	area natyit clear for sampling	
COR Signature	Allerger CC: MKM/PIKA & URS	
COR Printed Name	Irving B. Venger	
Title	Industrial Specialist, COR	

(,	QUALITY ASSURANCE SURVEILLANCE OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $G_{13}V_{2}^{2}$ to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	Partially met
Comments	Mojor concrete removed - minor delives remaining Aurhan is satisfactor for sampley
COR Signature	Mergn CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $(-5)$ to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	3-21-08 Portially met
Comments	Major concrete reporte - not yet sized and needs leveled for some acces. Mat yet ready to sample
COR Signature	A Blerger CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

	OF
Fl	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building $\underline{G17}$ to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	Partly met.
Comments	Majour in crete esse moved but not siged . Cerea requires levelen for safe access
Gommenta	area nat clear foi sampling
COR Signature	CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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	QUALITY ASSURANCE SURVEILLANCE OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Building <u><math>G/B</math></u> to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-21-08
Compliance (Exceeded, Met, Partially Met)	Partially met
Comments	Major concreteremonta but nut sized. Lebris 9 concrete, stult icod remain, ava requires pregnader for sope acces Area nat clear for sampling
COR Signature	Merger CC: MKM/PIKA & UR
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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# QUALITY ASSURANCE SURVEILLANCE OF

Fl	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 3 @ Ravenna AAP
Contract No	DAAA09-03-C-0020 CLIN 0006
Task Deliverable	Removal of Floor Slab and Foundation of Buildings EB2, EB3, EB19, EB20, EB22,3-51,3-51A, EB8, EA6A, EA28A to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	27-Mar-08
Compliance (Exceeded, Met, Partially Met)	Partially met
	Contractor has removed sufficient concrete from the area of the
	building footprint to allow sampling by the IRP contractor.
Comments	cleanup prior to approval for final grading
COR Signature	Mleigu CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

C	QUALITY ASSURANCE SURVEILLANCE OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of Buildings G2, G6A, G8Sump G9, G11, G12A, G12VP1, G13, G13A, G13VP1, G13VP2, G15, G16, G17, G18, G8VP to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	27-Mar-08
Compliance (Exceeded, Met, Partially Met)	Partially met
	Contractor has removed sufficient concrete from the area of the
	building footprint to allow sampling by the IRP contractor.
Comments	cleanup prior to approval for final grading
	wait till water subsides.
COR Signature	Blerger 1& UR
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

	OF
F	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 3 @ Ravenna AAP
Contract No	DAAA09-03-C-0020 CLIN 0006
Task Deliverable	Removal of Floor Slab and Foundation of Building _EB4, EB4A, EB4vp1 EB9, EB9A, EB10vp1, EB10vp2 EB25, EB4WN, EB4WS, EB4AWN, EB4AWS to grade
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	2-Арг-08.
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Buildings are satisfactory for sampling.
	Debris remains to be cleaned up and soil graded before final seeding
	EB4 & EB4A have rubble remaining on part of the building footprint.
Comments	Sampling may not be possible in these areas until the rubble is processed
· · · ·	and steel removed. The building footprint will then be cleared of excess
	rubble material. URS can partiall sample or wait till all material is removed.
COR Signature	Menger cc: MKM/PIKA & UR
COR Printed Name	Irving B. Venger
	Industrial Specialist, COR

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	QUALITY ASSURANCE SURVEILLANCE OF
F	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 3 @ Ravenna AAP
Contract No	DAAA09-03-C-0020 CLIN 0006
Task Deliverable	Removal of Floor Slab and Foundation of Building EB10, EB10A, EB11 & EB8A to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Surveillance	3-Apr-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Buildings are satisfactory for sample so the base of the object of the second up and soil graded before final seeding.
Comments	
COR Signature	1-3-08 cc: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
	Industrial Specialist, COR

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G	QUALITY ASSURANCE SURVEILLANCE OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 3 @ Ravenna AAP
Contract No	DAAA09-03-C-0020 CLIN 0006
Task Deliverable	Removal of Floor Slab and Foundation of Building EB10, EB10A, EB11 & EB8A to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-Арт-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
Comments	Buildings are satisfactory for sampling. Debris remains to be cleaned up and soil graded before final seeding.
COR Signature	1-3-08 cc: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

(	QUALITY ASSURANCE SURVEILLANCE OF
F	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 3 @ Ravenna AAP
Contract No	DAAA09-03-C-0020 CLIN 0006
Task Deliverable	Removal of Floor Slab and Foundation of Building EB10, EB10A, EB11 & EB8A to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-Apr-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
Comments	Buildings are satisfactory for sampling. Debris remains to be cleaned up and soil graded before final seeding.
COR Signature	19/ 4-3-08 cc: MKM/PiKA & URS
Name	Irving B. Venger
Title	Industrial Specialist, COR

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G	QUALITY ASSURANCE SURVEILLANC OF	E
FI	LOOR SLAB & FOUNDATION REMOV	AL
Contract Name	Demolition of Load Line 3 @ Ravenna AAP	
Contract No	DAAA09-03-C-0020 CLIN 0006	
Task Deliverable	Removal of Floor Slab and Foundation of Building EB4Avp1 to	grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.	
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.	
Frequency of Surveillance	Once at completion of cleanup	
Date of Surveillance	3-Apr-08	
Compliance (Exceeded, Met, Partially Met)	Partially Met	
	Buildings are satisfactory for sampling. Debris remains to be o soil graded before final seeding.	leaned up and
Comments	I missed this one when it was cleared.	
COR Signature	Blerge	MKM/PIKA & URS
COR Printed Name	Irving B. Venger	
Title	Industrial Specialist, COR	·····

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G	QUALITY ASSURANCE SURVEILLANCE OF
F	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 3 @ Ravenna AAP
Contract No	DAAA09-03-C-0020 CLIN 0006
Task Deliverable	Removal of Floor Slab and Foundation of Building EB13, EB13A,EB13B, EA6, EA28,EA21,EA7 & EA5 to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	3-April 2008
Compliance (Exceeded, Met, Partially Met)	Partially Met
Comments	Buildings are satisfactory for sampling. Debris remains to be cleaned up and soil graded before final seeding.
COR Signature	CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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C	UALITY ASSURANCE SURVEILLANCE OF
FI	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB2 & DB20to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	4/11/08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow initial sampling by URS
	Additional cleanup will be required prior to final grading
Comments	
COR Signature	JBloge cc: MKM/PIKA & URS
COR Printed Name	Irving B. Venger April 11, 2008
Title	Industrial Specialist, COR

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G	QUALITY ASSURANCE SURVEILLANCE OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 4 @ Ravenna AAP
Contract No	DAAA09-03-C-0024 CLIN 0007
Task Deliverable	Removal of Floor Slab and Foundation of BuildingG20to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveilfance	Once at completion of cleanup
Date of Surveillance	11-Apr-08
Compliance (Exceeded, Met, Partially Met)	Partially met
	Contractor has removed sufficient concrete from the area of the
	building footprint to allow sampling by the IRP contractor.
Comments	require cleanup prior to approval for final grading
COR Signature	Jung Bleger CC: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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C	QUALITY ASSURANCE SURVEILLANCE OF	
FI	OOR SLAB & FOUNDATION REMOVAL	
Contract Name	Demolition of Load Line 2 @ Ravenna AAP	
Contract No	DAAA09-03-C-0023 CLIN 0008	
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB2 & DB19to grade.	
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.	
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.	
Frequency of Surveillance	Once at completion of cleanup	
Date of Surveillance	11-Apr-08-	
Compliance (Exceeded, Met, Partially Met)	Partially Met	
	Gross concrete is removed sufficient to allow initial sampling by URS	
	Additional cleanup will be required prior to final grading	
Comments		
COR Signature	ABUIGHT . CC: MKM/PIKA & URS	
COR Printed Name	Irving B. Venger April 11, 2008	
Title	Industrial Specialist, COR	

C	QUALITY ASSURANCE SURVEILLANCE OF
FL	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings Dc-1to grade.
	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	15-Apr-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow initial sampling by URS
	Additional cleanup will be required prior to final grading
Comments	
COR Signature	Marge cc: MKM/PIKA & UR
COR Printed Name	Irving B. Venger April 15, 2008
Title	Industrial Specialist, COR

# QUALITY ASSURANCE SURVEILLANCE OF

# **FLOOR SLAB & FOUNDATION REMOVAL**

Demolition of Load Line 2 @ Ravenna AAP Contract Name

DAAA09-03-C-0023 CLIN 0008

Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB20, DB3, DB9A, DB4Avp1 to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	16-Apr-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow initial sampling by URS
	Additional cleanup will be required prior to final grading
Comments	,
COR Signature	Awy Blerger cc: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

## QUALITY ASSURANCE SURVEILLANCE OF

# FLOOR SLAB & FOUNDATION REMOVAL

Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB4A, DB25, DB22, 2-51 & 2-51A to grade. $Olor DB \mathcal{C}$
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	17-Apr-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow initial sampling by URS
	Additional cleanup will be required prior to final grading
Comments	
COR Signature	Jour Blenger cc: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB4A to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	18-Арг-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Revised Disposition Gross concrete is removed sufficient to allow most initia sampling by URS. Some concrete remains on the building footprint that may block access to some sample points. This will be removed either during processing of the concrete to smaller size or during ship-out.
Comments	
	Additional cleanup will be required prior to final grading
COR Signature	Awy Blerge cc: MKM/PIKA & UR
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

C	QUALITY ASSURANCE SURVEILLANC	E	
F	LOOR SLAB & FOUNDATION REMOVA	AL	
Contract Name	Demolition of Load Line 2 @ Ravenna AAP		
Contract No	DAAA09-03-C-0023 CLIN 0008		
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB4, DB10- DB11 and DB8A to grade.	Foundation of Buildings DB4, DB10-vp1, Db10-vp2,	
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.		
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.		
Frequency of Surveillance	Once at completion of cleanup		
Date of Surveillance	23-Apr-08		
Compliance (Exceeded, Met, Partially Met)	Partially Met		
	Gross concrete is removed sufficient to allow most initial sampling by URS at all buildings. Some concrete remains on the building footprint at DB4 that may block access to some sample points. This will be removed either during processing of the concrete to smaller size or during ship-out.		
Comments			
	Additional cleanup will be required prior to final gra	ading	
COR Signature	Anon Bleger cc:	MKM/PIKA & URS	
COR Printed Name	Irving B. Venger		
Title	Industrial Specialist, CØB		

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	OF							
FL	OOR SLAB & FOUNDATION REMOVAL							
Contract Name	Demolition of Load Line 2 @ Ravenna AAP							
Contract No	DAAA09-03-C-0023 CLIN 0008							
Lask Lainvorahio (	Removal of Floor Slab and Foundation of Buildings DB4, DB10-vp1, Db10-vp2, DB11 and DB8A to grade.							
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.							
1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	COR walk through visual inspection with contractor Project Manager or its representative.							
Frequency of Surveillance	Once at completion of cleanup							
Surveillance	23-Apr-08							
Compliance (Exceeded, Met, Partially Met)	Partially Met							
	Gross concrete is removed sufficient to allow most initial sampling by URS a all buildings. Some concrete remains on the building footprint at DB4 that may block access to some sample points. This will be removed either during processing of the concrete to smaller size or during ship-out.							
Comments								
	Additional cleanup will be required prior to final grading							
COR Signature	Awy Mager cc: MKM/PIKA & UF							
COR Printed Name	Irving B. Venger							

	OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB26 & DB29 to grade
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with field mower. All miscellaneous trash such as coffee cups, water bottles an paper are removed from the area. Record depth and location of any found not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or it representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	24-Apr-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow most initial sampling by UP this building. The entire building is not available for sampling because the of a large basement area have been collapsed and the basement floor rem undamaged. The scope addresses removal of above ground slabs and foundations to grade and this has been done. The remainder of the buildin
Comments	
	Additional cleanup will be required prior to final grading
COR Signature	Jwg Verger cc: MKM/PIKA
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR //

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## QUALITY ASSURANCE SURVEILLANCE OF

#### FLOOR SLAB & FOUNDATION REMOVAL

Contract Name Demolition of Load Line 2 @ Ravenna AAP

Contract No	DAAA09-03-C-0023 CLIN 0008						
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB13, DB13A,DB13B to grade.						
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.						
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.						
Frequency of Surveillance	Once at completion of cleanup						
Date of Surveillance	24-Apr-08						
Compliance (Exceeded, Met, Partially Met)	Partially Met						
	Gross concrete is removed sufficient to allow most initial sampling by URS at all buildings.						
Comments							
	Additional cleanup will be required prior to final grading						
COR Signature	Merge cc: MKM/PIKA & URS						
COR Printed Name	Irving B. Venger						
Title	Industrial Specialist, COR						

	QUALITY ASSURANCE SURVEILLANCE OF
FI	OOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB27 & 27A to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with field mower. All miscellaneous trash such as coffee cups, water bottles an paper are removed from the area. Record depth and location of any found not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or it representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	30-Арт-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow access sampling by URS at building. The entire building may not be available for sampling because of soil conditions due to lack of grading.
Comments	4 . <b>, t ,</b>
	Additional cleanup will be required prior to final grading
CCR Signature	Marger cc: MKM/PIKA
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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	OF
FI	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB27C, DA7 & DA21 to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	7-May-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow access sampling by URS at this building. The entire building may not be available for sampling because of roug soil conditions due to lack of grading.
Comments	
	Additional cleanup will be required prior to final grading
COR Signature	I Blezger cc: MKM/PIKA & UR
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

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Q	QUALITY ASSURANCE SURVEILLANCE
F	LOOR SLAB & FOUNDATION REMOVAL
Contract Name	Demolition of Load Line 2 @ Ravenna AAP
Contract No	DAAA09-03-C-0023 CLIN 0008
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB4A to grade. Also DB4AWN & DB4AWS were removed but not added to this report when originally issued.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	4/18/2008 Revised 5-8-08
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Revised Disposition Gross concrete is removed sufficient to allow most initial sampling by URS. Some concrete remains on the building footprint that may block access to some sample points. This will be removed either during processing of the concrete to smaller size or during ship-out.
Comments	
	Additional cleanup will be required prior to final grading
COR Signature	Inver Blerge cc: MKM/PIKA & URS
COR Printed Name	Irvîng B. Venger
	Industrial Specialist, COR

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C	QUALITY ASSURANCE SURVEILLANCE OF							
F	LOOR SLAB & FOUNDATION REMOVAL							
Contract Name	Demolition of Load Line 2 @ Ravenna AAP							
Contract No	DAAA09-03-C-0023 CLIN 0008							
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB4, DB10-vp1, Db10-vp2, DB11, DB9 and DB8A to grade. Also DB4WN, DB4WS & DB4VP1 were removed but not added to this report when originally issued.							
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.							
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.							
Frequency of Surveillance	Once at completion of cleanup							
Date of Surveillance	4/23/2008 Revised 5-8-08							
Compliance (Exceeded, Met, Partially Met)	Partially Met							
	Gross concrete is removed sufficient to allow most initial sampling by URS at all buildings. Some concrete remains on the building footprint at DB4 that may block access to some sample points. This will be removed either during processing of the concrete to smaller size or during ship-out.							
Comments								
Comments								
Comments	Additional cleanup will be required prior to final grading							
Comments								
Comments COR Signature	Additional cleanup will be required prior to final grading							

(	QUALITY ASSURANCE SURVEILLANCE OF						
F	LOOR SLAB & FOUNDATION REMOVAL						
Contract Name	Demolition of Load Line 2 @ Ravenna AAP						
Contract No	DAAA09-03-C-0023 CLIN 0008						
Task Deliverable	Removal of Floor Slab and Foundation of Buildings DB27, 27A & 27B to gr Building 27B was inadvertantly not included with this report when original issued.						
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with field mower. All miscellaneous trash such as coffee cups, water bottles an paper are removed from the area. Record depth and location of any foundations not completely removed.						
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or it representative.						
Frequency of Surveillance	Once at completion of cleanup						
Date of Surveillance	4/30/2008 Revised 5-8-08						
Compliance (Exceeded, Met, Partially Met)	Partially Met						
	Gross concrete is removed sufficient to allow access sampling by URS at building. The entire building may not be available for sampling because of rough soil conditions due to lack of grading.						
Comments							
	Additional cleanup will be required prior to final grading						
COR Signature	Swin Lenger cc: MKM/PIKA &						
COR Printed Name	Irving B. Venger						
Title	Industrial Specialist, COR						

# QUALITY ASSURANCE SURVEILLANCE OF FLOOR SLAB & FOUNDATION REMOVAL Contract Name Demolition of Load Line 2 @ Ravenna AAP Contract No DAAA09-03-C-0023 CLIN 0008

Task Deliverable	Removal of Floor Slab and Foundation of Buildings DA6, DA28, DA28A, DA5, DB10 & DB802 to grade.
Aceptable Quality Level	No remaining concrete sufficiently large that it would impede mowing with a field mower. All miscellaneous trash such as coffee cups, water bottles and paper are removed from the area. Record depth and location of any foundations not completely removed.
Method of Surveillance	COR walk through visual inspection with contractor Project Manager or its representative.
Frequency of Surveillance	Once at completion of cleanup
Date of Surveillance	5/8/2008 Revised to include DB10 (recently completed)
Compliance (Exceeded, Met, Partially Met)	Partially Met
	Gross concrete is removed sufficient to allow access sampling by URS at this building. The entire building footprint may not be available for sampling because of rough soil conditions due to lack of grading.
Comments	
	Additional cleanup will be required prior to final grading
COR Signature	Sweng Blerger cc: MKM/PIKA & URS
COR Printed Name	Irving B. Venger
Title	Industrial Specialist, COR

APPENDIX C Field Sampling Reports

#### INTRODUCTION TO APPENDIX C FIELD SAMPLING REPORT FORMS

This appendix contains the field sampling reports that are completed in the field during sampling activities. There is a field sampling report for each sampling location at the three load lines. Because these forms contain handwritten information, this appendix is not accessible (i.e., Section 508 compliant).

In general, these forms are completed (or "logged") by the field crew member assigned to observe and record the sampling activities, not necessarily the sampling crew member actually pulling the sample or coring at a given location. For the most samples, Xavier Sotelo acted as the sample logger. Logging was also done by:

Stan Levenger Tom George Jeffrey Berk Brenda Pratt

As an efficiency, two sampling crews were utilized simultaneously to collect the screening samples. The crews remained within very close proximity to each other, enabling them to use a single data recording member to complete the sample forms for both teams with consistency. Therefore, similar sample times (within a few minutes) have been recorded on the sample forms.

Once the sampling form was completed by the logger, another crew member (usually the Technical Project Manager, Stan Levenger) reviewed the form for completeness and accuracy. Other crew members that reviewed the forms included:

Mike Shoop Jeffrey Berk Jennifer Shepard Jo Ann Bartsch

A final Quality Control check of all information, include a comparison to field notes, was done at the request of the regulators after the field investigation was completed. This QC review was done by Jennifer Shepard and Jo Ann Bartsch.

The staff mentioned above also participated in the actual collection of the samples.

11121	2VP	45-19 ZNI	Field	Sampling Re	port					
Location ID:21 /	MALOD	<u>22 17-5</u> N-	-901	01-50 A	Poi	=şih(	RYAAP Sub-Slab Sa Star Meg 50			
Date:				pling Informat			Tootprint .			
Source         Grou           Method         Bailer           Pump		awater / Floudet	Surface Water Sample Bottle				Scoop		Trowel	
			•	Bacon Bomb			Bowl	$\frac{1}{\sqrt{2}}$	Hand Auger	
			2400				Push Probe Ar	1 1 X	Plastic Liner	
Type/Construction							Mattocks Jr	24		
Miscellaneous	Well Purgi Yes - No	ng Form								
Sample Collection:/540 hr	50 J	ng Form 21 Ano¥ 100,5 <sup>8</sup> ample Type: Cou If	nposite MI, # oi	- MI - Grab fincrements taken: Each Day Each		<u>\</u>			on Map - Staked in F ed - Measured - S	
Sample Depth: 9.0 1 FT	(below surfac	e) Decon: Ded	icated -	Each Day Each	Locatio	11/16				
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	er Par	ameters	
PID / FID Readings: Backeround:		voc					Corrosivity		<b></b>	_
Background: 0.0	ррт	SVOC					Reactivity Sulfide/Cyapide			
Sample:	ppm	Explosives (Selected)	X	TNT/RDX			Ignitability			
Water Level	FT	Metals (Selected)		, , , , , , , , , , , , , , , , , , ,						
Temperature	'n	Perchlorate					QA Samples			
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	lo	NA
рН	units	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID			NA
Reflox Potential	mV	Propellants					Trip Blank ID			NA
Turbidity	N,T.U.									
	Sampl	e Description			Split	Sampl	Split S le ID:	ample		
Opbo davers	rttwith	sond, wet,	oki	etstam,						
					Name:					
		······			Agency/Company:					
	<u>( 1</u>	1-1-1		[0]= [	Address:					
Sampled outside Visual impact.	e toopp	m to verity		in that						
Soil sample description should	include:	urrepresen	ρ	(m)	OA/OC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks					
Son sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture					Parameters: Same as Above - As Listed					
Water sample description should include:										
Color Odor Sheen Turbidity										
Logged By: Stan	Evena	2 (Please Print)	)		16	Rev	iewed by: JCANIFOR	Sher	ourd	(Please Print)
Signature:	n Lin							pmd	Date: 10/4	v1/0B
		0				A	1 gala	<b>1</b>   11   1	OS .	
						• •		' /		
Location ID: <u>LL4G8-9</u> Date: <u>3/21/08</u>					ior.					
---	---------------------------------------	--	---------------------	---	---------------------------------------	-----------------------------	----------------------------	-------------	---	----------
			Sam	pling Informat	· · · · · · · · · · · · · · · · · · ·	7	Soils	/ Sedime	nts / Sludge	<u></u>
Source	· · · · · · · · · · · · · · · · · · ·	ndwater / Product	0:1	Surface Water			Scoop		Trowel	
Method	Bailer			e Bottle			Bowl		Hand Auger	
	Pump		Bacon	Bomb					Plastic Liner	-+
						<u></u>	Push Probe			
Type/Construction				<u> </u>	<u></u>		Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form		· · · ·		- 		<u>JM</u>	C K 10/210	6
Sample Collection: <u>515</u> K tol 1108 Sample Depth	· ·	Sample Type: Con If e) Decon: Dedi	nposite MI, # of	- MI - Grab increments taken: Each Day - Each I	§ 10/21	100	Location:	Plotted c	on Map Staked in F ed - Measured - C G PS	ield
Field Parameters (at time of sample)		Analy	ytical	Parameters			0	ther Par	ameters	
PID / FID Readings:		voc					Corrosivity		<u> </u>	
Background:	0-0 ppm	SVOC					Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	~	TNT/RIX			Ignitability			
Water Level	FT	Metals (Selected)		1. 10.02						
·····	<u>"</u>		<u>-</u>					QA Sa	mples	_
Temperature		Perchlorate		<u></u>				Yes / I		<u> </u>
Sp. Conductance:	uMHOs	PCBs		<u>                                     </u>			Duplicate ID			NA
рН	units	Nitrate / Nitrite	<u>-</u>				Equipment Rinse ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Trip Blank ID	<b>[</b>		NA
Redox Potential	mV	Propellants		<u> </u>	<u> </u>					
Turbidity	N.T.U.						Soli	t Sample		1
ivet brown	Samp Sandy G	le Description 9 RAVEL			Split S	Sampl		r oanipie		1
						21 - 21 - 21 21 - 21 - 2				
					Name		npany:			
							араар 	<u> </u>	<u>/</u>	<u> </u>
					Addre	:55		/		· 
							/			
0.0	Id includes				0.0	C D.	ovided: MarMSD - Duplicate	- Trin Blan	ks - Field Blanks	2
Soil sample description show		e Sorting Plasticity Moi	sture		Paran	neters	Same as Above - A	s Listed		
		C DURING PROPERTY MOR				-/				
Water sample description sh					Z	k				
Color Odor Sheen	i urotatry									
	- · · ·					Por	iewed by:1M.1	e 54	5 <i>8</i> /)	(Ple
Logged By: XAVIEr Signature: Vin (	<u>Satels</u>	(Please Print	}				ignature: <u>Marsh</u>	d	Date:	

Location ID: Date:	-5 <u>B</u> -00 F	5 5N -0001-50	10/27/08	, 	1 '		RVAAP LL 2, 3, an	d 4 Sub-Sl	ab Sample,	Ravenna,	он
				pling Inforn							
Source	Grour	ndwater / Product		Surface W	ater	/	Soils	s / Sedimen	ts / Sludge		
Method	Bailer		Sample	Bottle		1	Scoop		Trowel		
	Ритр		Bacon	Bomb			Bowl		Hand Aug	er	
							Push Probe	0198	Plastic Li	ner	~
Type/Construction							Mattocks				
Miscellaneous	Well Purgi Yes - No	ng Form						JM	C ps 10	2-103	
Sample Collection: $1530$ $f_{6}$ ( $912109$ Sample Depth: $0-4$ F		Sample Type: Con If e) Decon: Ded	nposite MI, # of icated)-	- MI - Grat increments take Each Day (Ea	ich Locatis	m(28 m	Location:	Plotted or	n Map -Stak ed - Measu	ed in Field	èyeð
Field Parameters (at time of sample)				Parameters			0	ther Par	ameters		- -
PID / FID Readings:		VOC					Corrosivity			<u> </u>	
Background:	0.J ppm	SVOC					Reactivity Sulfide/Cy	anide			
Sample:	ppm	Explosives (Selected)	1	TNT/RD	×		Ignitability				
Water Level	FT	Metals (Selected)		<u> </u>							
Тетрегаture	٣	Perchlorate						QA Sar	nples		
Sp. Conductance:	uMHOs	PCBs				· · ·	MS/MSD	Yes / N	° _	/ I	NA
рН	units	Nitrate / Nitrite					Duplicate ID			N	A
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID			N	A
Redox Potential	mV	Propellants					Trip Blank ID			N	A
Turbidity	N.T.U.										
Suff, moist Bri	Sampl ~~ SA~D	e Description	ion d	ibris	Spli	it Samp		t Sample			
derlos					Nar	ne:					
					Age	ency/Co	mpany:	/			
					Ad Ad	lress:		/			
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity						/QC Pr ameter	ovided: MS ASD - Duplicate s: Same as Above - A	. Trip Blank s Listed	ş Field Blank	5	
Logged By: VAVier Signature: Vin S	sotel,	(Please Print	)				viewed by: <u>Milce</u> ignature: <u>Mund</u>	Stosy hy		(P) 	lease Pri
Signature				<u> </u>	<u></u>	Ø	26 /8 1	10/21	'0B		

Location ID:4G8 - : Date:3/2 (   0 8									
	<u></u>		Sam	pling Informat	ion				
Source	Groui	ndwater / Product	,	Surface Wate	r 	Soils /	Sedimen	ts / Sludge	
Method	Bailer		Sample	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl	(3/21	Hand Auger	
					·	Push Probe	8X	Plastic Liner	L
Type/Copstruction		/				Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form					XM	2 jejol27/0	6
Sample Collection: 1550 h K 15716 Sample Depth: 0- 4 Fi		Sample Type: Con If e) Decon: Dedi	mposite MI, # of	- MI - Grab increments taken: Each Day - Each	& 10/27 Location		Plotted or	n Map-Staked in F ad - Measured -	ielæ
Field Parameters (at time of sample)		Analy	ytical ]	Parameters		Oti	ier Para	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	0.) ррт	SVOC				Reactivity Sulfide/Cya	nide		
Sample:	բրո	Explosives (Selected)	$\checkmark$	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	J.	Perchlorate					QA San	nples	/
Sp. Conductance:	uMHOs	PCBs		L		MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA NA
Redox Potential	mV	Propellants		ļ		Trip Blank ID		<u> </u>	
Turbidity	N.T.U.								
U~36" E	Samp BC+W 5 4 A	the Description $3b^{1/2}$	454	Brn CLAY	Name:	imple ID: /Company:	Sample		/
					Addres				
Soil sample description should Munsell Color Odor St Water sample description sho	aining Textur	e Sorting Plasticity Mo	isture		QA/QC Paramo	Provided: ASMSD - Duplicate eters: Same as Above - As	Trip Blank Listed	s - Field Blanks	
Color Odor Sheen T	urbi <b>d</b> ity								
Logged By: <u>Yavier</u> Signature: <u>Vun</u> 2	sotelo	(Please Print	)			Reviewed by: M, Ke	, Sh		(Picase
NI - (	1×1					Signature: Mul	dand	Date: <u> </u>	-2-0

Location ID: <u>LL4</u> G8 Date: <u>3/21/05</u>	-53-00	075N-0001-60	Field	Sampling Re	port	RVAAP LL 2, 3, and	] 4 Sub-Sl	ab Sample, Rav	venna, OH
- / / / F		X33 /	isprilst	/					
Date: 3 / 2 // * *								<u> </u>	
	<b></b>		Sam	pling Informat			( Codimon	ts / Sludge	<u></u>
Source /	Groun	ndwater / Product		Surface Wate			/ Seutines	Trowel	
Method	Bailer		Sampl	e Bottle	4-	Scoop			
	Pump		Васоп	Bomb		Bowl	101-100		2
						Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form					JM	1C Ke lo	127/08
Sample Collection: $1 \ddagger 15$ h $M = 16 M^{10}$ h Sample Depth: $(1 - 4)$ FT		Sample Type: Con If e) Decon: Ded	ML # of	- MI - Grab increments taken: Each Day - Each	S 10/27/09 Location	Location:	Plotted o Estimate	n Map - Staked in ed - Measured	Field
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Par	ameters	
PID / FID Readings:		voc	1			Сопозічіту			
Background:	0.J <sub>ppm</sub>	svoc	1			Reactivity Sulfide/Cy	anide		
	ppm	Explosives (Selected)		TITIAN		Ignitability		$\uparrow$	
Sample:		Metals (Selected)	-	TNT/ROX					
Water Level		Metals (Selected)					QA Sar		
Temperature	ີ	Perchlorate	-				Yes / N		NA
Sp. Conductance:	uMHOs	PCBs				MS/MSD	ies / i		NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID Trip Blank ID			NA
Redox Potential	mV	Propellants	_		<del>_</del>				
Turbidity	N.T.U.								
Soft moist bru	Sampi SAND	le Description , sal demo de	brs	15 10/21/08	Split Sam	たいはない おおい おいしょう しんしょう 二人 長い生き	Sample		/
				0	Name:				· · ·
					Agency/C	ompanyi		/	· · ·
					Address:				
							/		· · · · ·
						/			
Soil sample description should	l include:				QA/QCI	rovided: MS/MSD_Duplicate ers: Same as Above - A	- Trip Blank s Listed	s - Field Blanks	
Munsell Color Odor Sta	aining Textur	e Sorting Plasticity Mo	isture		<b>4 di 4</b> 11 <b>i c</b>				
Water sample description show	uld include:								
Color Odor Sheen Ti	urbidity								
						14 6	<u></u>	<u>^</u>	-141-54 -142-54 -142-54
Logged By: XANTER	Sotelu	(Please Print	t)	•	R	eviewed by: Mr/ce	Show		(Please
Signature:	Sates_					Signature:	Sly	Date:	4-6-0
						De Jul 11	11 08		

Location ID: <u>LLH</u> G8- Date: <u>3/21</u> 00									
······································	1		Sam	pling Informati Surface Water		Soils	/ Sedimen	ts / Sludge	
Source		dwater / Product	Sampl	e Bottle		Scoop		Trowel	
Method	Bailer			Bomb		Bowl		Hand Auger	_
	Pump		Bacon	Bound		Push Probe		Plastic Liner	-
/						Mattocks			-+-
Type/Construction		-		<u> </u>				c	
Miscellaneous	Well Purgi Yes - No	ng Form				·	JM		the second s
Sample Collection: <u>1630</u> h K 101109 Sample Depth: 0-4 Fi	IS	Sample Type: Cor	nposite ML # of	- MI - Grab	\$ 10/27/08	Location:	Plotted or Estimate	n Map <sup>4</sup> Staked in 1 d - Measured <	Field Survey
Sample Depth: 0-4 FI	(below surfac	e) Decon: Ded	icated	Each Day Each I	ocation	1			
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Para	ameters	
PID / FID Readings:		VOC				Сопозічіту			
Background:	<i>и-0</i> ррт	SVOC				Reactivity Sulfide/Cya	nide		
Sample:	քրու	Explosives (Selected)	1	TNT /ROX		Ignitability			
Water Level	FT	Metals (Selected)		101 100					
	τ	Perchlorate		· · · · · · · · · · · · · · · · · · ·			QA San	nples	
Temperature	uMHOs	PCBs		,,,		MS/MSD	Yes / N	0	NA
Sp. Conductance:	units	Nitrate / Nitrite				Duplicate ID			NA
pH Dissolved Oxygen	Mg / L	TPH DRO / HRO		<u> </u> -		Equipment Rinse ID			NA
Redox Potential		Propellants				Trip Blank ID			NA
Turbidity	N.T.U.	<del>_</del>							
	Samp	e Description					Sample		
Brow	IN SAND	some Gravel			Split Sam	ple LD:			<u> </u>
					Name:				
					Agency/C	ompany:		/	
					Address:		1		
							$\underline{/}$		
									<u></u>
Soil sample description should					QA/QC P Paramete	rovided: MS/MSD - Duplicate rs: Same as Above - As	- Trip Blank Listed	s - Field Blanks	
Munsell Color Odor St		e Sorting Plasticity Mo	isture						
Water sample description sho	uld include:					1			<u></u>
Color Odor Sheen T	urbidity								
							<u>ನ.</u>		
Logged By: XAVIEr	Sotels	(Please Print	t)			eviewed by: <u>Mike</u>	<u>, 400</u> 0	Date:	(Pleas
Signature:	<del>\</del>					Signature: <u>Mudely</u>	<u></u>	Date: <u>7</u>	

Location ID: <u>LL 4 G 8 -</u> Date: <u> </u>	5B-00	9 5N-0001-50	Field	Sampling Re 68	port	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Raver	ına, OH
Date: 3/21/08	1	8	5 1						
				pling Informat	ion				
	Groun	ndwater / Product		Surface Water		Soils /	Sedimen	ts / Sludge	
Source	Bailer		Sampl	e Bottle	$\overline{X}$	Scoop		Trowel	
Memor	Ритр		Васоп	Bomb		Bowl		Hand Auger	
						Push Probe	I	Plastic Liner	c
Type/Construction		/				Mattocks			
Miscellaneous	WellPurgi	ng Form		<i>f</i>			L 10	VC K	intral.
/	Yes - No				. 1 Man	(20) Location:		n Map - Staked in F	
Sample Collection: 1645 hr		Sample Type: Con	mposite <u>MI, #</u> of	- MI - Grab	1012-11		Estimate	d - Measured - C	Surveyed
Sample Depth: 0 - 4 FT	(below surface	e) Decon: (Deo	icated)-	Each Day - Each	ocation			motora	
Field Parameters (at time of sample)		Anal	ytical	Parameters		Un		ameters	
PID / FID Readings:		VOC				Corrosivity			
-	<i>6-0</i> ррта	SVOC	-			Reactivity Sulfide/Cyar	nide		
	ppm	Explosives (Selected)	~			Ignitability			
Sample:	 FT	Metals (Selected)		TNT/RDX					
Water Level						_	QA Sar	nples	
Temperature	°C	Perchlorate		· .		MS/MSD	Yes / N		NA
Sp. Conductance:	uMHOs	PCBs	_			Duplicate ID			NA
pH	units	Nitrate / Nitrite				Equipment Rinse ID	/	. <u>.</u>	NA
Dissolved Oxygen	Mg / L mV	Propellants				Trip Blank ID			NA
Redox Potential	N.T.U.			<u> </u>					
Turbidity		1				Split	Sample		
Loose	Sampi 	le Description , <u>prown</u> Grav	د(		Split Sar	nple ED:			• 
					Name:				
					Agency/	Company:			
					Address		7		<u>, , , , , , , , , , , , , , , , , , , </u>
							/		
						/			· · · · ·
Soil sample description should	l include:				QA/QC	Provided: MS/MSP - Duplicate - ters: Same as Above - As	Trip Blank	s - Field Blanks	
Munsell Color Odor Sta	aining Textur	e Sorting Plasticity Mo	oisture		rarame				
Water sample description show	uld include:					1			<u> </u>
Color Odor Sheen Ti	urbidity					L			
							74 74	<u>^</u>	
Logged By: XAVier	Sotel	V (Please Prin	t)		]	Reviewed by: <u>M. ke</u>	<u>, 120</u>	0 Date:	(Please Pri
Signature: Vin	5.D					Signature:	lif	Date:	
						QC VS 1	0/27	los	
						- 00 1	11		

Location ID: LL4G8 -			Sampling Re	port	RVAAP LL 2, 3, and	4 Sub-Sł	ab Sample, Raver	nna, OH	
Date: 3/21/08									الفصيد بيستان نسيع
			San	pling Informat	ion				
Source	Groun	ndwater / Product 🦯		Surface Wate	r	Soils /	Sedimen	its / Sludge	<u> </u>
Method	Bailer		Sampl	le Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction	7	<u>/</u>				Mattocks			
Miseellaneous	Well Purgi	ng Form					MC	15 10127104	3
Sample Collection: 1705 hr M 10/77/00 Sample Bepth: 0 - 4 FT	Aes - No rs (below surfac	Sample Type: Con If e) Decon: (Ded	- MI - Grad f increments taken: Each Day Each	FI 177 L	-	Plotted a	n Map Staked in f ed - Measured - 1	Teld	
Field Parameters (at time of sample)			yticał	Parameters		Ott	ner Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
	0.0 <sup>ppm</sup>	svoc				Reactivity Sulfide/Cya	nide		
Sample:		Explosives (Selected)	1	TNT /ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	ĉ	Perchlorate					QA Sar	nples	_
Sp. Conductance:	uMHOs	PCBs	-			MS/MSD	Yes / N	ło	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank IB			NA
Turbidity	N.T.U.								
grwy	Samp Clay m	le Description			Split Si 	āmplē ID:	Sample		
					Agency	//Company:	/		
					Addres	<b>S</b> ***			
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity Logged By:						Provided: MSMSD-Duplicate eters: Same as Above - As	Listed		(Please Pr
Signature: Vin S	à A					Signature:	Ung A		-2-00
						OC YS	loht	7 LOB	

Type/Construction     Mattocks     July       Miscellancous     Weil/Aurging Form Yes No     Sample Type: Connectie - Mi - Cith     July       Sample Callection:     J. 20, 40     Sample Type: Connectie - Mi - Cith     Location:       Sample Callection:     J. 20, 40     Sample Type: Connectie - Mi - Cith     Location:       Field Parameters     Mattocks     VC     Location:     Decent: Collective - Each Day - Each Day - Each Location       PID / FID Readings:     0.0     VC     Source     Reactivity Sulfide/Cyanide       Sample Carleston:     0.0     VC     Source     Reactivity Sulfide/Cyanide       Sample:     100     Source     100     Reactivity Sulfide/Cyanide       Sample:     100     Explosives (Selectod)     100     100       Water Level     171     Metals (Selected)     100     100       Pill     on     Nitrate / Nitrate     100     100       S	Location ID: 1146	<u> </u>	015-000	stris I	Field	Sampling F	leport		RVAAP Sub-Slab S	Sample and	d Removal, Raven	na, OH
Same Countwater / Product     Surface Water     Solits / Solitans / Sindeg       Method     Balter     Sample Botte     Scoop     Trovel       Pump     Bacon Bomb     Boul     Had Augo       Pump     Bacon Bomb     Poul Probe     Plastic Line       Type/Construction     With Proflags Porm     Mattocks     Yel [p]       Miscallancesa     Well Proflag Porm     Mattocks     Yel [p]       Sample Construction     Wath Proflag Porm     Mattocks     Yel [p]       Sample Construction     Sample Type: Composite - ML (first)     Locatine: Plotted on Mark Solitance - Macanet Baltance - Al	Date:	58										
Mathad     Haller     Sample Botte     Scoop     Trowd       Pamp     Bacn Bonb     Bond     Hand Ange       Type/Construction     Well/Furging Form     Mattocks     Yelp/       Sample Cattertion:     [7,2]/hr.     Sample Type: Composite - off. (Cath     Mattocks     Yelp/       Sample Depth:     Off-10-2-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	<u> </u>	· · · I	· · · · · · · · · · · · · · · · · · ·	T	Sam							
Method     Jampe	Source	Grou	ndwater / Produc	t			ter			; / Sedimen		
Imp     Push Probe     Pash Probe       Type/Construction     Mattocks     Mattocks       Miscellaneous     Well Garging Form     Mc       Sample Callectom     72.0m;     Mc       Sample Callectom     72.0m;     Mc       Sample Depth     70.10, 20, 40, 40     Decns: Collector       Sample Depth     70.10, 20, 40, 40     Decns: Collector       Sample Depth     Fit lociols surface     Decns: Collector       Fild Parameters     Other Parameters       Gittion of sample)     VOC     Correstivity       PID / FID Readings:     VOC     Correstivity       Sample Callector     77     Metals (Selected)       Sample:     78     Explosives (Selector)     Ignitability       Water Level     77     Metals (Selected)     Ignitability       Water Level     77     Metals (Selected)     Ignitability       PID / FID Roadings:     QMC     Sample Selector)     Ignitability       Sp. Conductance:     .0Min     PCBs     Min     Duplicate ID       Disolvel and Gray Decintal     Nitrate / Nitrite     Duplicate ID     Duplicate ID       Site Sample Decretion     Split Sample Decretion     Split Sample Decretion     Split Sample       Satistic Level     7.10 Dis Dis Dis Dis Dis Dis Dis Dis     Spli	Method	Bailer			Sampl	e Bottle		- ·	Scoop			
Type/Construction     Well wriging Form     Mattocks     Image: Second		Pump			Bacon	Bomb			Bowl			
Miscellaneous     Well Parging Form Yed No.     Analytical Parameters     M.C.       Sample Cattertion: (7,2) frs. Sample Depth: (7,2) frs. Subscreameters (a time of sample)     Sample Type: (2,0) frs. Sample Depth: (7,2) frs. Subscreameters (a time of sample)     Sample	<u></u>								Push Probe	_Ħ	Plastic Liner	X
Yes (. No     MC       Sample Callection: [7] Dars     Sample Type: Composite - MI - (Crab) [ML, 2 of Incrementation of Incrementatine of Incrementation of Incrementation of Incrementatine	Type/Construction								Mattocks	`	15 10/20108	
Sample Cattertion:       2.2. Drs.       Sample Type: Composite - MI - Grab       Locator:       Periode on Mag-Stake         Sample Dept:       0.01/0. Fer (below surface)       Decen:       Other Parameters       Estimated - Meaner         Field Parameters       Analytical Parameters       Other Parameters       Other Parameters         Sample:       pr       VOC       Corrosivity       Image: Pielos         Sample:       pr       SVOC       Reactivity Sulfide/Cyanide       Image: Pielos         Sample:       pr       SVOC       Ignitability       Image: Pielos       Pielos         Sample:       pr       Belosives (Selected)       Ignitability       Image: Pielos       Pielos         Sample:       pr       Metals (Selected)       Ignitability       Pielos       Pielo		Ves - No			ζ.				I MC		,	
Field Parameters (at time of sample)     Analytical Parameters     Other Parameters       PID / FID Readings: Background:     VOC     Corrosivity     Image: Corrosivity     Image: Corrosivity       Sample:     PPP     Explosives (Selected)     Image: Corrosivity     Image: Corrosivity     Image: Corrosivity       Sample:     PPP     Explosives (Selected)     Image: Corrosivity     Image: Corrosivity     Image: Corrosivity       Sample:     PPP     Metals (Selected)     Image: Corrosivity     Image: Corrosivity     Image: Corrosivity       Water Level     PI     Metals (Selected)     Image: Corrosivity     Image: Corrosivity     Image: Corrosivity       Temperature     Corrosivity     Propertionate     Image: Corrosivity     Image: Corrosivity     Image: Corrosivity       Split     Sample Description     Split Sample     Split Sample     Split Sample       Sold sample description should include:     Dissover Uvel Uvel     Name:     Agrees/Company:       Address:     Dissover Uvel Uvel     Dissover Uvel Uvel     Name:       Sold sample description should include:     Color Odor Staining Texture Sorting Planticity Moisture     Name:       Muscell Color Odor Staining Texture Sorting Planticity Moisture     Color Odor Staining Texture Sorting Planticity Moisture     Reviewed hy:       Water sample description should include:     Color	Sample Collection: 1720 0.0, 1.0, 24	hrs 0,3.0,40	Sample Ty	If N	VII. # of	increments taken			Location:	Plotted or Estimate	Map - Staked in Fie d - Measured - Su	nd nveyed
Field at alleters       Field Starters         Pib / FID Readings:       0.0         Background:       0.0         Sample:       200         Sample:       200         Sample:       200         Prevaluation of sample in the instance of th	Sample Depth: F	T (below surfac	e) Decoi	n: Dedie	cated -	Each Day - Eac	h Location	1	11			
PID / FID Readings:       0,0       rm       VOC       Corrosivity       Reactivity Sulfide/Cyanide         Background:       rm       Explosives (Selected)       Ignitability       Ignitability         Water Level       rT       Metals (Selected)       Ignitability       Ignitability         Water Level       rT       Metals (Selected)       Ignitability       Ignitability         Temperature       C       Perchlorate       Ignitability       Ignitability         Sp. Conductance:       awtiok       PCBs       MS/MSD       Yes / No         pH       wins       Nitrate / Nitrite       Duplicate ID       Immed Rinse ID         Redox Potential       mv       Propellants       Trip Bank ID       Immed Rinse ID         Sample Description       Sample Description       Split Sample       Split Sample         Soll sample description should include:       AMSMAD       Ammed Amm				Analy	tical l	Parameters			O	ther Para	ameters	
Background:       0.0       ym       SVOC       Reactivity Sulfide/Cyanide         Sample:       ym       Explosives (Selected)       Ignitability         Water Level       PT       Metals (Selected)       Ignitability         Temperature       °C       Perchlorate       OA Samples         Sp. Conductance:       xMH00       PCBs       MS/MSD       Yes / No         pH       units       Nitrate / Nitrite       Duplicate ID       Image: Constraint of the constraint of th	PID / FID Readings:		voc						Corrosivity			
Water Level       FT       Metals (Sclected)	Background:	epm (	svoc						Reactivity Sulfide/Cy	anide		
Temperature       C       Perchlorate       QA Samples         Sp. Conductance:       gMHCA       PCBs       MSAMSD       Yes / No         pH       gmins       Nitrate / Nitrite       Duplicate ID       Equipment Rinse ID         Dissolved oxygen       March       TPH DRO / HRO       Equipment Rinse ID       Equipment Rinse ID         Redox Potential       gmins       mon of the control of	Sample:	ррп	Explosives (Sel	lected)					Ignitability			
Sp. Conductance:       uMHOR       PCBs       MS/MSD       Yes / No         pH       wins       Nitrate / Nitrite       Duplicate ID       Equipment Rinse ID         Dissolved Oxygen       Ms/L       TPH DRO / HRO       Equipment Rinse ID       Equipment Rinse ID         Redox Potential       mv       Propellants       Trip Blank ID       Split Sample         Turbidity       N.T.U       TMT/ROA       X       Name:         Sample Description       Split Sample ID:       Name:         PLAS       ACO Station       ACO Station       Aco Station         Still sample description should include:       Color Odor Staining Texture Sorting Plasticity Moisture       Name:       Address:         Soil sample description should include:       Color Odor Sheen Turbidity       Reviewed by:       Multiple State         Color Odor Sheen Turbidity       (Please Print)       Reviewed by:       Multiple State	Water Level	FT	Metais (Selecte	ad)							1	
Sp. Conductance:       I COS       Duplicate ID         pH       units       Nitrate / Nitrite       Duplicate ID         Dissolved Oxygen       Mg/L       TPH DRO / HRO       Equipmeer Rinse ID         Redox Potential       mv       Propellants       Trip Blank ID         Turbidity       N.T.U       TAT/POX       X       Note Provided Company:         Sample Description       Split Sample ID:       Name:         PIAS       AO STA M / OOW       Name:       Name:         All Stample Discription Should include:       Address:       Name:         Soil sample description should include:       Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MS/MSD-Duplicate - Trip Blanks - Field Blanks         Water sample description should include:       Color Odor Sheen Turbidity       Reviewed by:       Multer Stamp         Logged By:       March March       (Please Print)       Reviewed by:       Multer Stamp	Temperature	'n	Perchlorate							QA San	nples	
Dissolved Gygen       Mg/L       TPH DRO / HRO       Equipment/Rinse ID         Redox Potential       mv       Propellants       Trip Blank ID         Turbidity       N.T.U.       TM///CQL       X         Sample Description       Split Sample       Split Sample         Sample Description       Split Sample       Split Sample         Plast       Add Color       O UN Sart       Weither Add         MUC plast       Add Color       Add Color       Address:         Soil sample description should include:       Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks         Water sample description should include:       Color Odor Steining Texture Sorting Plasticity Moisture       QA/QC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks         Logged By:       Samo March (Please Print)       Reviewed by:       M.Lef Shasp	Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / No	)	NA
Redox Potential       mv       Propellants       Trip Blank ID         Turbidity       N.T.U       TMT/RDX       X         Sample Description       Sample Description       Split Sample         Sample And Stam       DOLOR D       POW       Name:         Agency/Company:       Agency/Company:       Address:       Name:         Stample description should include:       D.S. PR CONCY       Not Plant, Mod Sert       Name:         Soil sample description should include:       Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MSMSD - Duplicate - Trip Blanks - Field Blanks         Water sample description should include:       Color Odor Sheen Turbidity       Reviewed by:       M.Leg Sharp         Logged By:       Sharp       (Please Print)       Reviewed by:       M.Leg Sharp	рН	units	Nitrate / Nitrite						Duplicate ID			NA
Turbidity       N.T.U.       TWT/RQX       X         Sample Description       Sample Description       Split Sample         Sand / Yayel       O-0+00 D       Pow Serve Wet Add         Plast / Ao Sta M       Odder         Start       Adder         Start       Address:         Address:       Address:         QA/QC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks         Water sample description should include:       Color Odor Steining Texture Sorting Plasticity Moisture         Water sample description should include:       Color Odor Sheen Turbidity         Logged By:       Sum (Please Print)       Reviewed by:       M.Lef Start	Dissolved Oxygen	Mg / L	TPH DRO / HE	20					Equipment Rinse ID			NA
Sample Description       Split Sample         Sample Description       Powsort Wetrut         Plant 1000       Powsort Wetrut         Start Call, 44bn, 1104040.       Monor file         Start Call, 44bn, 1104040.       Monor file         Start Call, 44bn, 1104040.       Monor file         Address:       Mane:         Address:       Mane:         Address:       QA/QC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks         Mussell Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks         Water sample description should include:       Color Odor Sheen Turbidity         Logged By:       Start March (Please Print)         Reviewed by:       Mile Share         Mussell Color Odor Sheen Turbidity       Please Print)	Redox Potential	mV		2.					Trip Blank ID			NA
Solid Provided       Split Sample ID:         Solid Sample D: 0.0400 D Provided Wet Autor       Name:         Plant All Stam Provided       Address:         Solid Sample description should include:       Plant All Solid Solid Solid Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks         Muse Plant All Solid So	Turbidity	N.T.U.	TNTK	-DL	X							
Agency/Company:         Start         Mode plact	Save/gravet	<u> </u>	$\Delta$	+ 11	ret_	not	Split	Samp		Sample	· · · · · · · · · · · · · · · · · · ·	
String content       Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity             Logged By:       State String Plasticity Moisture             Reviewed by:       Munsell Color Odor Sheen Turbidity             Image: Color Odor Sheen Turbidity       Color Odor Sheen Turbidity             Reviewed by:       Munsell Should Include:             Color Odor Sheen Turbidity       Reviewed by:             Description Should Include:       State Should Include:	- plast nos	tam/o	dov				Nam	2:				
Address:         MUC p [A+] Mich Surt         J. S ful (pully)         Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       Standard Mathematical Ma	-statula t	thati	nto 48,0	AN (	sto	Klam,	Agen	cy/Co	mpany:			
Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       State Show (Please Print)         Reviewed by:       M. Keef Shaw         Munsell Color Water Show (Please Print)       Reviewed by:         Muser Show (Please Print)       Reviewed by:         Muser Water Show (Please Print)       Reviewed by:         Muser Water Show (Please Print)       Reviewed by:         Muser Water Show (Please Print)       Simple S		Mard C		1			Äddr	ess:				
Soil sample description should include:				. /			<u> </u>					
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       Standard (Please Print)         Reviewed by:       Miced Sharp         Simple description       Simple description         Date:       Simple description	C. H	Id in du da.	2.5 h	l GO	cry							·····
Water sample description should include:         Color Odor Sheen Turbidity         Logged By:			sorting Plastic	nitu Mais	ture						- Field Blanks	
Color Odor Sheen Turbidity			. Jorang Thatt					/	/			Anne - F
Logged By:	-											
Alla Alla Data		<b>.</b>									· · · · · · · · · · · · · · · · · · ·	
Signature: Musellan Date:	Logged By:	1 prou	(Plea	ise Print)				Rev	riewed by:M.kef	Shar	)(	(Please Print)
	Signature:	hur	<del>]~</del>					Si	ignature: <u>Mund</u>	и <u>н</u>	Date:	
QC X8 10/27/00			,					I	QC K Int	27/199		

Location ID: <u>LL 468</u> Date: <u>3/21/08</u>	-5 <u>B - 012</u>	<u> </u>	Field S	Sampling Rej භී	port		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	enna, OH
				oling Informati						
		dwater / Product	Gam	Surface Water		/	Soils /	Sedimen	ts / Sludge	
Source		awater / Product	Sample			/	Scoop	1	Trowel	
Method	Bailer		Bacon		/		Bowl		Hand Auger	-
	Pump	-/	pacon			·	Push Probe	5	Plastic Liner	-
Type/Construction				/			Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form	/					_fr	10	
Sample Collection; 1637 Juppin Sample Depth: 0 - 4 F		Sample Type: Con If e) Decon: Ded	nposite MI, # of	- MI - Grab i increments taken: Each Day - Each I	S 101 Ocatio	110B	Location:	Plotted of Estimate	n Map - Staked in ed - Measured -	Field
Field Parameters				Parameters			Ott	er Par	ameters	
(at time of sample)		VOC					Corrosivity			
PID / FID Readings: Background:	0.) ppm	svoc				,	Reactivity Sulfide/Cya	nide		
				-17/00			Ignitability		+	
Sample:	ррт	Explosives (Selected)		TNT/ROX	<u> </u>		-Burner (		+ - +	
Water Level	FT	Metals (Selected)							<u></u>	
Temperature	ŕ	Perchlorate		· · · · · · · · · · · · · · · · · · ·				QA Sai		NA
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	<u>.</u>	NA
рН	units	Nitrate / Nitrite					Duplicate ID	area and		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	+				Equipment Rinse ID			 NA
Redox Potential	mV	Propellants					Trip Blank ID			
Turbidity	N.T.U.									
[085		le Description J / GULL			Spli	t Samp		Sample		
					Nan	ne:				
					Age	ncy/Co	mpanya			
					Ādo	lress:		-/		
							/	<u> </u>		
							-			
Soil sample description shou	ld include:				QA	/QC Pi	rovided: MS/MSD - Duplicate	Trip Blan	ks – Field Blanks	
-		e Sorting Plasticity Mo	isture		Par	ametei	s: Sante as Above - As	Listed		
Water sample description sh						<u> </u>	<u> </u>			
Color Odor Sheen						$\neq$				
				· • • • • • • • • • • • • • • • • • • •						
Logged By: Xavit	Sorelo	(Please Prin	t)			Re	viewed by: <u>Mike</u> S	4000		(Please Pri
Signature:	4						Signature: <u>MusiCla</u>	<u> </u>	Date:	4-2-08
		<u> </u>					QC 15 10/2			

111160-0	(B - ~ / )	Self in the local of the	Field	Sampling Rej	port	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rav	enna, OH
Location ID: Date:	0.000	50-6001-10 8 10 h	า (ช						
Date:3/2, [ 0 8				n T. Competi					, ,
			Sam	pling Informati		Soils	/ Sedimen	ts / Sludge	
Source	Groun	dwater / Product		Surface Water	7	Scoop	· ·	Trowel	
Method	Bailer			Bottle	<u> </u>	Bowl		Hand Auger	
	Ритр		Bacon	Bomb				Plastic Liner	
						Push Probe	T		
Type/Construction	/	/		<u> </u>		Mattocks		ISIU/2710B- NC	
Miscellaneous	Well Purgin Yes - No	ng Form					J	nc	
K 10127100	rs F (below surface		MT#∩f	- MI - Grab increments taken: Each Day - Each I	ocation	A	Estimate	n Map Staked in ed - Measured	Field
Field Parameters		Anal	ytical ]	Parameters		Ot	her Par	ameters	<u> </u>
(at time of sample) PID / FID Readings:		VOC				Сопозічіту			
	Ord ppm	SVOC	+			Reactivity Sulfide/Cy	anide	$\top$	
						Ignitability			
Sample:		Explosives (Selected)	V	TNT/ROX					
Water Level	FT	Metals (Selected)		ļ			04.50	mples	
Temperature	٣	Perchlorate		· · · · · · · · · · · · · · · · · · ·			QA San Yes / N		NA
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / r		NA
рН	units	Nitrate / Nitrite				Duplicate ID			 
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	[		NA
Redox Potential	тV	Propellants		ļ,,,	 	Trip Blank HD	<u> </u>		
Turbidity	N.T.U.								
gr	Sampl	e Description			Split Samj		t Sample		
					Name:				
					Agency/C	ompany:			
					Address:				
	-						<u> </u>		
									· · · ·
Soil sample description shou					QA/QC P Paramete	rovided: MS/MSP - Duplicate rs: Same as Above - A	Trip Blar As Listed	iks - Field Blanks	
Munsell Color Odor S	Staining Textur	e Sorting Plasticity Mo	oisture			/			
Water sample description she	ould include:								
Color Odor Sheen	Turbidity						<u>- 1995 - 19</u> - 1997 - 19 - 1997 - 19		
						AA Ka	Shou	<u>Ale</u> licite <u>George</u> en . <b>A</b>	(Please
Logged By: <u>Varia</u> Signature: <u>Varia</u>	Sotel	(Please Prin	it)			11		ρ Date:	·
Signature:	5-1					Signature: Alan	N. M.	1	
						pl Jul	11/1	,108	

Location ID: <u>11468 - 5</u> Date: <u>3/2</u> 1/08	Б-0( <u>8</u> М	SN -6001-50 x y	Field S	Sampling Re	port		RVAAP LL 2, 3, and 4	Sub-Sl	ab Sample, Raven	ına, OH
				oling Informat						
Source	Groun	dwater / Product /		Surface Water			Soils / S	Sedimen	its / Sludge	
Source Method	Bailer		Sample	Bottle		~	Scoop	. 	Trowel	
Memod	Pump		Bacon				Bowl		Hand Auger	
	Punp	-/					Push Probe	Z	Plastic Liner	~
Type/Construction							Mattocks	$\bot$	5 10/27/00	
Miscellaneous	iscellaneous Well Purging Form							Jm	0	
Sample Collection: $\frac{190}{4}$ hr. Sample Depth: $\frac{2}{4}$	mple Collection: 1907 hrs Sample Type: Composite - MI - Grab If MI, # of increments taken mple Depth: 0-9 K (1021 00 FT (below surface) Decon: Dedicated - Each Day - Each							Plotted o Estimat	n Map - <u>Staked in F</u> ed - Measured -	ield Surveyed
Field Parameters (at time of sample)			ytical H	Parameters			Oth	er Par	ameters	
PID / FID Readings:		VOC					Corrosivity			
Background:	Հ-Դ հետո	SVOC					Reactivity Sulfide/Cyan	ide		
Sample:	ppm	Explosives (Selected)	1	TNT/ROX			Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	۳C	Perchlorate		·				QA Sai		NA
Sp. Conductance:	uMHOs	PCBs						Yes / N	10	NA NA
рН	បករិទេ	Nitrate / Nitrite					Duplicate ID			NA NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID			NA NA
Redox Potential	М	Propellants		<u> </u>	 		Trip Biank ID			
Turbidity	N.T.U.	C			Continue of th					
brn	Sampi <i>Sa hi</i> ly (	le Description			Spli Naŭ	t Samp ne:		ample		
						ncy/Co lress:	mpany:	/		
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity					Par	/QC Pr ameter	ovided: MS/MSD - Duplicate - s: Same as Above - As	Trip Blan Listed	ks Field Blanks	
Logged By: <u>Xavicr S</u> Signature: <u>Vin S</u>	heli	(Please Prin	i)				viewed by: <u>M. Ke</u> Signature: <u>M. Ke</u>	ho.	Date: 4	(Please Print)
Signature: Yun D	<u> </u>				1/22	¥	<u>, .:=</u> .,			

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Location ID:	7-58-	5N 015-20	:u]=	Field ∽∂µ	Sampling	; Report		RVAAP Sub-Slab S	ample and	d Removal, Raven	na, OH
Date: Ə\.MQ	102										
-					pling Infor						
Source	Grou	ndwater / Produc	t		Surface V	Water		Soils	/ Sedimen	ts / Sludge	
Method	Bailer			Sampl	e Bottle			Scoop		Trowel	
	Pump			Bacon	Bomb	/		Bowl		Hand Auger	
								Push Probe	H	Plastic Liner	V
Type/Construction								Mattocks		K 10/2760	_
Miscellaneous	Miscellaneous Well Purging Form Yes - No								L	10/2760 MC	
iample Collection:       Image: Composite - MI       Grabular         0-0       10       10       If MI, # of increments taken         iample Depth:       Image: Composite - MI       Grabular         if MI, # of increments taken       If MI, # of increments taken         iample Depth:       Image: Composite - MI       Grabular         if MI, # of increments taken       Image: Composite - MI       Grabular         if MI, # of increments taken       Image: Composite - MI       Grabular         if MI, # of increments taken       Image: Composite - MI       Image: Composite - MI         if MI, # of increments taken       Image: Composite - MI       Image: Composite - MI         if MI, # of increments taken       Image: Composite - MI       Image: Composite - MI         if MI, # of increments taken       Image: Composite - MI       Image: Composite - MI         if MI, # of increments taken       Image: Composite - MI       Image: Composite - MI         if MI, # of increments taken       Image: Composite - MI       Image: Composite - MI         if MI, # of increments taken       Image: Composite							) in	Location:	Plotted or Estimate	n Map - Staked in Pl d - Measured - S	eld urveyed
Field Parameters (at time of sample)			Anal	ytical ]	Parameters			Ot	ner Para	ameters	
PID / FID Readings:		VOC						Corrosivity			
Background: 0 -	C ppm	svoc						Reactivity Sulfide/Cya	nide		
Sample:	ррт	Explosives (Sel	lected)					Ignitability			
Water Level	FT	Metals (Selecte	ed)	1							
Temperature	٣C	Perchlorate							QA San	ıples	
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / No	5	NA
рн	units	Nitrate / Nitrite	e					Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HE	20					Equipment Brinse ID			NA
Redox Potential	mV	Propellants	20.	x				Trip Blank ID			NA
-0-0to/5 Snd plast, no oda	Turbidity N.T.U. TNTRDX N Sample Description 0-040/555Nd & Grovel, Wet-power Sort, not plast, NO oday (Stam 15404.0 5) ty Clay, Lton, Mod Sort,						t Sampl 1e: ncy/Cor ress:				
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity							wided: MS/MSD - Duplicate - : Same as Above - As		- Field Blanks		
Logged By:	Atto Use							iewed by: <u>M. Vie</u> ignature: <u>M. N. e</u>	Sy. Land	≫isp Date:4	(Please Print) <u>2 - OF</u>
								)C JS 1	0127	100	

Location ID: <u>1146</u> Date:	)-55-	016-0001-5	Field い	I Sampling R	eport	RVAAP Sub-Slab Sa	mple an	d Removal, Ravenr	1a, OH
Date:Ż	Maroy								
				apling Informa					
Source	Grou	ndwater / Product		Surface Wate	er	Soils /	Sedimer	its / Sludge	
Method	Bailer		Sainp	le Bottle		Scoop		Trowel	
	Pump		Baco	n Bornb		Bowl		Hand Auger	
						Push Probe	T	Plastic Liner	
Type/Construction	/					Mattocks			1
Miscellaneous	Well Purgi Yes - No	ng Form		(					
Sample Collection: 1458 Sample Depth:	hrs ) ) FT (below surfac	Sample Type: Co I e) Decon: De	mposite f MI, # o dicated	- MI - Grab f increments taken: - Each Day - Each	Location	Location:	Plotted of Estimate	n Map - Sta <u>ked in Fi</u> e ed - Measured - Su	ld rveyed
Field Parameters (at time of sample)		Ana	lytical	Parameters		Oth	er Par	ameters	
PID / FID Readings:		VOC				Сонтовічіту			
Background: D.C		SVOC				Reactivity Sulfide/Cyar	nide		
Sample: VS	1012716B	Explosives (Selected)			<u> -</u>	Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate				(	)A San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID		I	NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID		]	NA
Turbidity	N.T.U.	TATILOX	X						
Mid by Sal	a tan	e Description	<del>+,</del>	nnfplist,	Split Sampl		ample		
	-				Address:				
Soil sample description shou Munsell Color Odor S Water sample description sho	Staining Texture	Sorting Plasticity Mo	isture			ovided: MS/MSD - Duplicate - ' Same as Above - As I		- Field Blanks	
Color Odor Sheen									
Logged By:	brow	/ (Please Prin	.)			iewed by: <u>M.ke</u> gnature: <u>Muchad</u>	Show	0	lease Print
						QO JS 101	2110	Ъ	

Location ID: //1467-	-55-0 Navos	0351-000	Field	Sampling Rep	ort	<u></u>	RVAAP Sub-Slab Sa	mple and	d Removal, Raver	ına, OH
			Sam	pling Informatio	ЭП					
Source	Grou	ndwater / Product		Surface Water			Soils /	Sedimen	ts / Sludge	·
Method	Bailer		Sampl	e Bottle			-Scoop		Trowel	
	Pump		Bacon	Bomb	$\nearrow$		Bowl		Hand Auger	
				/			Push Probe	r	Plastic Liner	
Type/Construction							Mattocks			
Miscellaneous	Well Pargi Yes - No	ng Form								
Sample Collection: $\frac{1435}{1435}$ hr Sample Depth: $00 + 7$ FT		Sample Type: Cor If e) Decon: Ded	MI, # of	- MI - Grab increments taken Each Day - Each Lo	ocation		Location:	Plotted or Estimate	n Map - Staked in F d - M <del>casured -</del> S	leld Surveyed
Field Parameters (at time of sample)			ytical	Parameters			Oth	er Para	imeters	
PID / FID Readings:		VOC					Corrosivity			
Background: Ocl	) ppm	SVOC					Reactivity Sulfide/Cyan	ide		
Sample:	> ppm	Explosives (Selected)			<u></u>		Ignitability			
Water Level	FT	Metals (Selected)	<u> </u>							
Temperature	۳C	Perchlorate					(	)A San	n <u>pl</u> es	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No	)	NA
рН	units	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID	<del></del>		NA
Redox Potential	mV	Propellants	<u> </u>				Trip Blank ID	·		NA
Turbidity	N.T.U.	TNTRAX	K							
Midbn, Silty, sort, Modpla	1	e Description <u>YO o dar 1 Nost</u> +	ain		Split Sa Name: Agency Addres	/Con				
Soil sample description should Munsell Color Odor Sta Water sample description shou Color Odor Sheen Tu	ining Texture Id include:	: Sorting Plasticity Moi	sture				vided: MS/MSD - Duplicate - : Same as Above - As I		- Field Blanks	
Logged By: Stan Lev Signature:	Are	(Please Print)	•				iewed by: <u>M. ke</u> St gnature: <u>Midu</u>	111	7 <u>A</u> Date: <u>4- 6</u>	_(Please Print)
L					÷	0	IC JE 1012	7(08		

Location ID: <u>6</u> 444 Date: <u>21 Mar 0 Y</u>	<u>64-5°</u>	5-2025N	>	Field 001	Sampling R -S ()	eport		RVAAP Sub-Slab	Sample an	d Removal, Rav	venna, OH
Date: // / V/ V	)				pling Informa						
Source	Grou	ndwater / Product		Sam	Surface Wate			Soil	s / Sedimen	ts / Sludge	
Method	Bailer	ndwater / Froduct		Sampl	e Bottle	.1		Scoop		Trowel	
	Pump			-	Bomb	/		Bowl		Hand Auger	
	T ump	/		Bleen		/		Push Probe	X	Plastic Liner	
Type/Construction								Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							<b>I</b>		
Sample Collection://// Dhr Sample Depth:FF	s (Gelow surfac	Sample Ty e) Decon	- If I	MI, # of	- MI - Grab increments taken: Each Day - Each	Locatio	<u>h</u>	Location:	Plotted or Estimate	n Map - Staked in ed - Measured	Field Surveyed
Field Parameters (at time of sample)			Analy	ytical	Parameters			0	ther Para	ameters	-
PID / FID Readings:		VOC						Corrosivity			
Background: O~	¢ ppm	svoc						Reactivity Sulfide/Cy	vanide		
Sample:	ppin	Explosives (Sele	ected)	<u> </u>				Ignitability	<b>.</b>		
Water Level	FT	Metals (Selected	d)								
Temperature	"C	Perchlorate							QA San	nples	
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / No	0	NA
рн	units	Nitrate / Nitrite						Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HR	.0					Equipment Rinse ID			NA
Reflox Potential	mV	Propellants				ļ		Trip Blank ID			NA
Turbidity	N,T.U.	TNTR	₽x	X							
Mot plast; 1		e Description <u> <u> <u> </u> <u> </u></u></u>	stan	Δ,Λ	ted sert	Nam			t Sample		
	1					Add		/	/		
Soil sample description should i								vided: MS/MSD - Duplicate : / Same as Above - As		- Field Blanks	
Munsell Color Odor Stai		e Sorting Plastici	ity Mois	sture			/				
Water sample description shoul											
Color Odor Sheen Tur	oldily										
Logged By: <u>Stan</u> Signature: <u>AM</u>	floor	(Pleas	se Print)			<u>U</u>		iewed by: <u>M. Ko</u> gnature: <u>M. Ko</u>	Shaf rekty	) Date:	(Please Print) - 2 - 03
							4	) C J& 101	127/0B		

.ocation ID: <u>1335</u>	_08									
			Sam	pling Inform					te / Cludge	
Source	Groun	dwater / Product		Surface Wa	ter 1	/	······································	edimen	ts / Sludge Trowel	Т
Method	Bailer		Sampl	e Bottle			Scoop			┿
	Pump		Bacon	Boinb			Bowl	X	Hand Auger	╉
							Push Probe		Plastic Liner	╈
Type/Construction	/	/			<u></u>		Mattocks		<u> </u>	Т.
Miscellaneous	Well Purgin Yes - No	ng Form	ł	[						
Sample Collection:/05 Sample Depth: 00-fo		Sample Type: C	t£M1 #ol	- MI Grab f increments taken Each Day Eac	Location: Plotted on Map - Staked in Estimated - Measured -					d) vey
Field Parameters				Parameters			Othe	er Par	ameters	
(at time of sample)		VOC		1		<u>.</u>	Corrosivity		T	
PID / FID Readings: Background:	քքո						Reactivity Sulfide/Cyani	ide		7
		SVOC	<u>_</u>		-		Ignitability			┥
Sample:	ppm FT	Explosives (Selected	-							1
Water Level		Metals (Selected)						N Sal	mples	<u> </u>
Temperature	°C	Perchlorate					MS/MSD Yes / No			
Sp. Conductance:	uMHOs	PCBs					Duplicate ID			NA
рН	units Mg / L	Nitrate / Nitrite			+		Equipment Rinse ID		N	
Dissolved Oxygen	mg / L mV	Propellants			-		Trip Blank ID			NA
Redox Potential Turbidity		TNTIROX								
- Albinsi	tyclay ,	le Description	flser	⊧			Split S ple ID:	ample		
$-\rho a st, 700$	orav'/S	tan			- Nan		ompany:			
					_	dress:		$\leq$		
					-					
Soil sample description sho Munsell Color Odor		re Sorting Plasticity	Moisture			/QC P ramete	rovided: MS/MSD - Duplicate - rs: Same as Above - As I	Trip Blan Listed	uks - Field Blanks	
Water sample description sl	iould include:									
Color O <b>d</b> or Sheen	Turbidity									
Logged By: STAN	ertor -	(Please P	rint)		ļ	R	eviewed by:left	Berl	Date: 1/2	

1127	1	τΛι <u>1</u>		Field	Sampling	Report			<u> </u>		~~~
Location ID: 1233-5	1-005	<u>211-000</u>	-10					RVAAP Sub-Siab Sa	mple an	d Removal, Raven	ina, OH
Date:	S/MarO	<u> </u>									
	<b></b>		r	Sam	pling Infor	mation		Г			
Source	Grow	ndwater / Produc	:t		Surface V	Vater			Sedimer	ts / Sludge	<u> </u>
Method	Bailer	·····		Sample	e Bottle			Scoop		Trowel	
	Pump			Bacon	Bomb			Bowl		Hand Auger	
								Push Probe	1	Plastic Liner	
Type/Construction					/			Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form		ć	[	-					
Sample Collection: <u>700</u> hr Sample Depth: <u>00</u> +0FF	$-\nu$	Sample T e) Deco	If	MI, # of	- MI - Gra increments tak Each Day - E	en:		Location:	Plotted of Estimate	n Map Staked in Fi ed - Measured S	urveyed
Field Parameters (at time of sample)			Analy	ytical l	Parameters			Oth	ner Par	ameters	
PID / FID Readings:		VOC						Corrosivity			
Background: ()-0	քքա	svoc						Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Se	lected)					Ignitability			
Water Level	FT	Metals (Selecte	ed)								
Temperature	°C	Perchlorate							QA Sar	nples	**
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrit	e					Duplicate IØ			NA
Dissolved Øxygen	Mg / L	TPH DRO / H	RO					Equipment Rinse ID			NA
Redox Potential	mV	Propellants						Trip Blank ID			NA
Turbidity	N.T.U.	TNT/RI	Δχ	)	\$ 						
275 Silt	Sampl VSNA Gay	the Description $0 = 0 + 0$	0-3						Sample		
Sat, WUISA	rt, pru	rg plassi,	Vo S		0101	- Agen		mpany:			
Soil sample description should	include:					QA/	QC Pre	ovidea: MS/MSD - Duplicate -		s - Field Blanks	
Munsell Color Odor Sta	ining Texture	e Sorting Plasti	city Moi	sture		Para	meters	s: /Same as Above - As	Listed		
Water sample description shou	ld include:							/			
Color Odor Sheen Tu	rbidity						]				
Logged By:	Leptre	?(Ple	ase Print)				Rev	iewed by: Jeff B			(Please Print)
Signature:	Juni	1					Si	ignature:	Bert	Date: <u>4-</u> 2	2-08
	C	/					0	C js w/21/4	В		

mation ID: 11 3EB-X	·-55-73	14-030/-50	Field S	Sampling Ro	eport	RVAAP Sub-Slab	Sample an	d Removal, Rave	nna, OH
ocation ID: <u>11 3EB-8</u> ate:RMa	r08								
ate:			Sam	oling Informa	tion				
		dwater / Product		Surface Wate		Soi	ls / Sedimer	ts / Sludge	
ource	Bailer		Sample	Bottle	$\overline{\boldsymbol{\Lambda}}$	Scoop		Trowel	
Method	Pump		Васоп		~+-	Bowl		Hand Auger	
		/		-/-		Push Probe	X	Plastic Liner	
Type/Construction	+ - /					Mattocks		ļ	
Miscellaneous	Well Purgin Yes - No	ng Form	7		}				
Collection: 1906	1916 is		NAL # ^#	- MI - Grab increments taken Each Day - Eacl	Location	Locatio	n: Plotted Estima	on Map - Staked in ted - Measured -	Surveyed
	T (below surface			Parameters	/		Other Pa	rameters	
Field Parameters (at time of sample)		Ana							<u> </u>
PID / FID Readings:		VOC	_			Corrosivity Reactivity Sulfide/	Cvanide /	+	-+-
Background:	ррт	SVOC							
Sample:	ppm	Explosives (Selected)				Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	۳C	Perchlorate						imples	NA
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes /	No	NA
рн	units	Nitrate / Nitrite				Duplicate ID	<u> </u>		NA
Dissolven Oxygen	Mg / L	TPH DRO / HRO		<u> </u>		Equipment Rinse I Trip Blank ID			NA
RedoxPotential	mV	Propellants					-+		
Turbidity	N.T.U.	TATROX	<u> </u>				Split Sample		
	Samj	ple Description			Split	Sample ID:			
- then site	ty sha	0-0+00.3,	Wet		-	:			
		0.5010			-	cy/Company:			
then silt	y clay	+ NO otor	154	m. wet	- Addr	ess:	/		
Monplast	- We hish	1 - 11 - 0101	1	· · · · · · · · ·					
					<u></u>				
Soil sample description she	ould include:				QA/C	C Provided: MS/MSD - Dup meters: Same as Above	olicate - Trip E	lanks - Field Blanks	
		ure Sorting Plasticity	Moisture		rara				
Water sample description	should include:								
Color Odor Sheen	Turbidity								
						P days of the	treis i	Seah	(Pleas
Logged By: 5	1 bor	(Please F	rint)			KII	E	J Date:	4-2-0
Signature:	n fir	<u></u>				Signature:	- 41-		
						QC- XS	10/27	1/08	

115 6 4			Field	d Samplin	g Report				
Location ID: <u>[]] 3EB-</u> ]C Date:	1-18-	<u>au sv-au.</u>	-D	a sampin	6 Hoport	<b>RVAAP Sub-Sla</b>	ıb Sample an	ıd Removal, Rave	лла, O
Date:X M	2101								
			Sa	mpling Info	rmation				
Source	Grou	indwater / Product		Surface	Water	S	oils / Sedimer	its / Sludge	
Method	Bailer		Sam	ple Bottle		Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl		Hand Auger	
						Push Probe	X	Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg Yes - No	, ing Form		1					
Sample Collection / 105 hrs		Sample Type:	Composite	- мі - бл	ab	Locatio	n: Plotted or	n Map - Staked in F	eld
Sample Depth: 0.0 +0 kJ	below surfac		If MI, # o	of increments ta - Each Day -	Ken Each Location			d - Measured - S	
Field Parameters (at time of sample)		Ar	alytical	Parameters			Other Para	ameters	
PID / FID Readings:		voc				Corrosivity			
Background: 0-0	ppm	svoc				Reactivity Sulfide/	Cyanide		
Sample:	ppm	Explosives (Selected	L)			Ignitability			+
Water Level	FT	Metals (Selected)		-					+
Temperature	°C	Perchlorate					QA Sam		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank D		******	NA
Furbidity	N.T.U.	TNT/RDX	X						
	Sample	e Description			~		lit Sample		
27 bin sittys	, no o	dor/stam.	Anto	bet	Split San	nple ID:			
Men sart inpt			7 w j P	0-1	Name:				
					Agency/O	Company:			
					Address:		·····		
····						· · · · · · · · · · · · · · · · · · ·			
Soil sample description should inc	aluda					/			
Munsell Color Odor Stainin		Sarting Plasticity M	ointura		QA/QC I Paramete	Provided: MS/MSD - Duplicate ers: Same as Above - A	e - Trip Blanks - As Listed	<ul> <li>Field Blanks</li> </ul>	
Water sample description should i		sorting reasticity M	0131M1 C						
Color Odor Sheen Turbio						_/			
	-								
Logged By: Stan 10	alles	(Please Prir	et)		R	eviewed by: Jef R	Serk		Please Print)
Signature:	win	)	-			Signature: Jull 1	لىرة	Date: 4-2=0	
h	0	<u> </u>				<u> </u>			
						6C- 18 10	127/03		

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14 5-		r_ 4-	~	Field	Sampling I	Report	_; ;				
Location ID: <u>113EB</u> Date: <u>28</u> M	<u>~2-35</u> 1108	<u>- WZW</u> -	-00	<u>)</u> – IC	70	F r	-	RVAAP Sub-Slab S	Sample an	d Removal, Ravenn	a, OH
					npling Inform						
Source	Grou	ndwater / Product	t		Surface Wa			Soils	/ Sedimen	its / Sludge	
Method	Bailer			Samp	ole Bottle		ز	Scoop		Trowel	
	Pump			Baco	n Bomb			Bowl		Hand Auger	$\uparrow$
					/	/		Push Probe	V	Plastic Liner	-
Type/Construction	/							Mattocks			
Miscellaneous	Well/Purg Yes - No	ing Form			7				•	•••••	
Sample Collection: 1855 h Sample Depth: 0-0401.	rs O (below surfac	Sample Tyj :e) Decon:	If	MI, # o	- MI - Grab f increments taken - Each Day - Eac		n	Location:		n Map - Staked in Field d - Measured - Sur	
Field Parameters (at time of sample)			Analy	ytical	Parameters			Ot	her Para	ameters	
PID / FID Readings:		VOC						Corrosivity			
Background:	ppm	svoc						Reactivity Sulfide/Cya	mide		
Sample:	ppm	Explosives (Sele	cted)					Ignitability			
Water Level	FT	Metals (Selected	)								
Temperature	°C	Perchlorate							QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs			1			M\$/MSD	Yes No		NA
рН	units	Nitrate / Nitrite						Duplicate ID		N	A
Dissolved Oxygen	Mg / L	TPH DRO / HRO	<u>с</u>	ļ				Equipment Rinse ID		N	A
Redox Porential	mV	Propellants						Trip Blank ID		N	A
Turbidity	N.T.U.	TNTIRD	X	X							
175n silfys Modsart, A	1 14	e Description	No	}ρ[	25,	Name	су/Соп	: ID:	Sample		
Soil sample description should i Munsell Color Odor Stai Water sample description should Color Odor Sheen Tur Logged By:	ning Texture d include:	Sorting Plasticity		ture			Revie	vided MS/MSD - Duplicate - Same as Above - As I wed by: Jeff Be nature: J//	Listed	· · · · · · · · · · · · · · · · · · ·	sse Print)
<u> </u>	0						Q	)- Js 10/2	1/08		

				Fiald	Samuli	onout					
Location ID: <u>3EB-</u> Date:28M	<u>3-55-1</u> 2r02	07851-	1000	DIST 7	samping K	eport		RVAAP Sub-Slab Sa	ample an	d Removal, Ravenna	, ОН
Date:	<u>,                                    </u>				pling Informa						
~				Бап				Soile	(Sadimar	its / Sludge	
Source		ndwater / Produ		Sama	Surface Wat	er		Scoop		Trowel	
Method	Bailer				·····					Hand Auger	
	Pump			Bacor	Bomb			Bowl Push Probe	V	Plastic Liner	
								Mattocks	+		:
Type/Construction Miscellaneous	Well Purgi				_/			Mattocks		1	
	Yes - No				(						
Sample Collection: <u>1845</u> hr Sample Depth: <u>0-5401</u> 9T	s (below surfac	Sample T e) Deco	If	MI, # of	- MI - Grab fincrements taken Each Day - Each	Locatio	<u>}                                    </u>	Location:	Plotted of Estimate	n Map Staked in Field d - Measured Surv	) eyed
Field Parameters (at time of sample)			Anal	ytical	Parameters			Oth	ier Para	ameters	
PID / FID Readings:		voc						Corrosivity			
Background: 0-0	ppm	svoc						Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Se	lected)					Ignitability			
Water Level	FT	Metals (Select	ed)								
Тетрегаture	°C	Perchlorate							QA San	aples	
Sp. Conductance:	uMHOs	PCBs				<u> </u>		MS/MSD	Ye8 7 N	0 N	IA
рн	units	Nitrate / Nitrite	8					Duplicate ID		N/	4
Dissolved Oxygen	Mg/L	TPH DRO / H	RO					Equipment Rinse ID		NA	4
Redox Potential	mV	Propellants						Trip Blank ID		NA	4
Turbidity	N.T.U.	TNT/R	ØX	X							
plastic	1 1	e Description	da /	sta i	7, 10+	Nam			Sample		
						Addı	ress:		/		
Soil sample description should i Munsell Color Odor Stai. Water sample description should Color Odor Sheen Tur	ning Texture d include:	Sorting Plasti	city Moi:	sture				vided: MS MSD - Duplicate - : Same as Above - As )		- Field Blanks	
Logged By: <u>Stan</u>	even	(Plea	ase Print)					iewed by: <u> </u>	there	(Plea Date: <u>4-2-C</u>	use Print) DS
	l	6					6	OC-JS 10/2	rlob		

Location ID:	LL4 GI1-55-0235N-0001-5 Ejeld S	ampling Report
Data	3/25,02	

RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, OH

			San	npling Informa	tion						
Source	Grou	ndwater / Product		Surface Wat	er	/	Soils	/ Sedimen	ts / Sluc	lge	
Method	Bailer	- / ·	Samp	le Bottle			Scoop		Trowe	el	
	Pump		Bacor	n Bomb			Bowl		Hand	Auger	
							Push Probe		Plasti	c Liner	
Type/Construction		<u> </u>		/			Mattocks	-			
Miscellaneous	Well Purg Xes - No	ing Form									
Sample Collection: $f \neq f$ hr	r	Sample Type: Con	mposite	- MI - Gree			Location:	Plotted or	Map -	Staked in Field	·
Sample Depth:FT	(below surfac	if (e) <b>Decon:</b> Ded	M1, # of licated -	f increments taken: Each Day - Each	Location	$\mathbf{D}$		Estimate	a - Me	asured - Eurve	eyed
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	ner Para	meter	'S	,
PID / FID Readings:		VOC					Соптозічіту				
Background:	}÷∮ ppm	SVOC					Reactivity Sulfide/Cya	nide			
Sample:	ррт	Explosives (Selected)					Ignitability				
Water Level	FT	Metals (Selected)	1/	TNT/00X			/ .				
Temperature	°C	Perchlorate						QA Sam	ples	~	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No	,	N	IA
рН	units	Nitrate / Nitrite					Duplicate ID			NA	ł
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID			NA	١
Redox Potential	тV	Propellants					Trip Blank,HD			NA	1
Turbidity	N.T.U.	·									
BRM	ジテカレソ ジテカレソ	e Description			Split S	Sample		Sample			e
							ipany:		/	<u> </u>	
					Addro			/	/		
								/			
Soil sample description should i	include:			1			vided: MS/MSD - Duplicate -		Field Bl	anks	
Munsell Color Odor Stai	ning Texture	Sorting Plasticity Moi	sture		Paran	neters:	Same as Above - As I	JSIEG			
Water sample description shoul	d include:										
Color Odor Sheen Tur	bidity					/					
.,	• 4										
Logged By: <u>AN 126 Je</u>	TC/1	(Please Print)					11 7	er4		(Pleas nte: <u>4-2-</u> 1	se Print) O 🖓
Signature:	ריקבי					Sig	nature: p./b.yfe	<u>~</u>	Da	nte: <u>7- 2 (</u>	
						Q	C- 18 1012	л [0B		•	
							11				

		<u>345N</u> -6001-9		pling Informat		· · · ·				
······································	Crow	ndwater / Product	Jam	Surface Wate		Soils /	Sedimen	ts / Sludge		
Source Method	Bailer		Sampl	e Bottle		Scoop		Trowel		
Method	Pump			Bomb		Bowl	_	Hand Auger		
	h					Push Probe		Plastic Liner		
				-		Mattocks	-	R		
Type/Construction			7	/		Mattocks		Mic Js "	0/27/0	
Miscéllaneous	Well Furg Yes - No		/							
Sample Collection: Sample Depth: 0 4		Sample Type: Con If Decon: Ded	nposite MI, # of icated -	- MI - Grab increments taken: _ Each Day - Each	Location	Location: Plotted on Map - Staked in Figure 5 Estimated - Measured Si				
Field Parameters at time of sample)		1		Parameters		Oth	ner Para	ameters		
PID / FID Readings:		voc				Corrosivity				
Dealearaurde	, 2 <sup>ppm</sup>	svoc				Reactivity Sulfide/Cya	nide			
	ррті	Explosives (Selected)	-	TNTROX	, <u>, , , , , , , , , , , , , , , , , , </u>	Ignitability				
Sample:	FT			IT INVA	· · ·			<u>+</u>		
Water Level		Metals (Selected)	+				<u> </u>			
Femperature	°C	Perchlorate	$\vdash$				QA San	 **		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	N. 	
pH	ប្រាវែន	Nitrate / Nitrite				Duplicate ID		500 M		
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA	
Redox Potential	mV	Propellants		<u> </u>	<u> </u>	Trip Blank-fD		, ··,		
Turbidity	N.T.U.								1	
mist znn	Samp Scurl 4 9	le Description 1 rave L <u>Luy</u> (C) <u>44-4</u>	1871		Split Samp		Sample		/	
					Name:			/		
			·		Agency/Co	mpany:	/_			
					Address:	/				
Soil sample description sho	uld include:			21 1	0.1/0C.»-	ovided: MS/MSD - Duplicate -	Trin Black	- Field Blanks		
• •		e Sorting Plasticity Mo	isture		Parameter		Listed			
Water sample description s.		······ ••• ······ •••• ······								
Color Odor Sheen					An other sectors and the sector and					
X II A	r Setter to	(Please Print	)		Rev	riewed by: Jeff F	Berk		(Pleas	
Logged By: <u>入名バ</u> く	· ATTIV		1		1.01	<u> </u>		Date: <u>4</u> -	- 0	

,

Date:					pling Informat					
	C	ndwater / Produc	+ /	Bam	Surface Wate	g C R ALL ALLA	Soils /	Sedimer	ts / Sludge	
Source Method	Bailer		/	Sampl	e Bottle		Scoop		Trowel	
Internou	Pump			Bacon			Bowl		Hand Auger	
							Push Probe	-	Plastic Liner	1
Type/Construction							Mattocks			
Miscellaneous	Well/Purg	ing Form		1			-	h	C 35 10/2710B	
/	Yes - No			/						
Sample Collection: <u>1070</u>			If	MI_# of	increments taken.		Location:	Estimate	n Map - Staked in Field	veyed
Sample depth: 0- 14	FT (below surfac	ce) Decor			Each Day - Each	Location_2			. /	
(at time of sample)		:	Anal	ytical ]	Parameters		Ođ	ier Par	ameters	
PID / FID Readings:		voc					Corrosivity			·
Background:	Со2 ррп	svoc		-			Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Se	lected)	1	TATIROX		Ignitability			
Water Level		Metals (Selecte	·	1	111/1100-					
	r r	Perchlorate						QA Sar	nples	
Temperature Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	,,,,,	NA
pH	units	Nitrate / Nitrite					Duplicate ID		Ν	ĮA
Dissolved Oxygen	Mg / L	TPH DRO / HI	RO				Equipment Rinse ID		Ν	IA
Redox Potential	mV	Propellants					Trip Blank ID		٩	₹A.
Turbidity	N.T.U.									
	Samp	le Description				Split Samp		Sample		
	10 32-1	Ly gravel								
						Name:				
						Agency/Co	mpany:	$\neq$		
						Address:		<u>/</u>		
Soil sample description sho	ould include:			••••	•	OA/OC Pr	rovided: M8/MSD - Duplicate	Trip Blank	s - Field Blanks	
Munsell Color Odor		re Sorting Plasti	city Mo	oisture		Parameter		Listed		
Water sample description s							1			
Color Odor Sheen	Turbidity									
		·								And the second s
Logged By: X4View	-Sateli SSA	(Ple	ase Prin	t)		Re		<u>Berh</u>		lease Print)
Signature:	15:4					5	Signature:	<u>en</u>	Date: <u>4-2-</u>	- 03

Location ID: Date:3 / 2 8 / 6									
	· · · · · · · · · · · ·		Sampling I		<u> </u>	Soile	/ Sedimen	ts / Sludge	
Source	r	ndwater / Product	· · · · · · · · · · · · · · · · · · ·	face Water		Scoop	/ Sediffed	Trowel	
Method	Bailer	Ă	Sample Bottle	/				Hand Auger	
	Pump		Bacon Bomb			Bowl			
			ļ,	<u> </u>		Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form							
Sample Collection: 1/43 Sample Depth: 40 1.0			mposite - MI - MI, # of increme licated - Each Da	nts taken:	ation	Location:	Plotted or Estimate	n Map - Staked in H d - Measured	Field Survey
Field Parameters (at time of sample)		Anal	ytical Param	eters		01	her Para	ameters	_
PID / FID Readings:		VOC				Corrosivity			
Background:	0-0 ppm	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	- TNT	IRDX		Ignitability			
Water Level	FT	Metals (Selected)							
<u> </u>		Perchlorate					QA San	nples	
Temperature	uMHOs	PCBs				MS/MSD	Yes / N	0	N/
Sp. Conductance:	units	Nitrate / Nitrite				Duplicate ID			NA
pH Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
RedoxPotential		Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
	Samp Let, Broc	le Description <u>n 5 an D</u> w/ A	uno Oebris		Split San Name: Agency/C		Sample		· · · · · · · · · · · · · · · · · · ·
					Address:		-/		
							$\underline{/}$	<u></u>	
Soil sample description sh Munsell Color Odor Water sample description Color Odor Sheen	Staining Textur	e Sorting Plasticity Mo	isture		QA/QC 1 Paramet	Provided: MSMSD - Deplicate ers: Same as Above - A	- Trip Blank s Listed	s - Fjeld Blanks	
									د. د رژ د د روید در ترو
Logged By: XAUi e	a sofelo	(Please Prin	t)		F	Reviewed by:	Berk	Date:4	(Pleas

Location ID: <u>」」しく</u> G/i Date:3 <u>ね 8/ 6 ダ</u>	7-55-02	6 5N -0001-50	Field	Sampling Ro	eport		RVAAP LL 2, 3, and 4	Sub-S	ab Sample, Raveni	na, OH
Date: 3/28/09										<u></u>
			San	npling Informa	- 		Soile ( )	Sodimer	nts / Sludge	
Source	<u>A</u>	ndwater / Product	Samn	Surface Wate	* 	/	Scoop	·	Trowel	
Method	Bailer			n Bomb	$\frown$		Bowl		Hand Auger	
	Pump		Dacoi				Push Probe		Plastic Liner	
		/					Mattocks			
Type/Construction Miscellaneous	Well Purgi	ng Form	/						<u> </u>	
	Yes - No									<u> </u>
Sample Collection: //50 H Sample Depth: 4 1.0 F	proutes	Sample Type: Con If	MI, # o:	f increments taken:			Location: 1	Plotted of Estimate	n Map - Staked in Fie ed - Measured St Gr	Irveyed
Sample Depth: <u>4 7,0</u> F	T (below surfac			Each Day - Each	Location					
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	er Par	ameters	
PID / FID Readings:	0.5	VOC					Corrosivity			
Background:	0.0 <sub>ppm</sub>	SVOC					Reactivity Sulfide/Cyan	īde		
Sample:	ppm	Explosives (Selected)					Ignitability			
Water Level	FT	Metals (Selected)	·	TNT/ROX						
Temperature	٣	Perchlorate					(	)A Sar	nples	/
Sp. Conductance:	uMHOs	PCBs —		1			MS/MSD	Yes / N	10	NA
рн	unils	Nitrate / Nitrite	_				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID			NA
Redox Potential	Vm	Propellants					Trip Blank ID		·····	NA
Turbidity	N.T.U.									
W.t-	Sampl , brown s	le Description and W/ alemoti	tibu	de 1015 js 10127123	Split S		e ID:	ample		1
					Name		npany:			
					Ageno		npany:			
								1		
Soil sample description shoul	ld include:				QA/Q	C Pro	wided: MS/MSD - Duplicate	Trip Blank	s - Field Blanks	
Munsell Color Odor S	taining Textur	e Sorting Plasticity Mo	isture		Para	neters	: Same as Above - As I	isted		
Water sample description sho	ould include:									
Color Odor Sheen T	<i>Furbidity</i>					/				
Yeara (	inte la	(Di Di	•			Rev	iewed by: Jeff Be	rk.		(Please Prin
Logged By: X40:00 S Signature: Kun S	tila	(Please Print	J.				gnature: Offer Fer	L	Date: <u>4</u> -2	-08
Signature: Num d	· · · · · · · · · · · · · · · · · · ·						- Phri			

ocation ID: <u>LL461</u> Date: <u>7/28/88</u>	; ;					<u> </u>				
			Sam	pling Info	mation	•				
	Groug	dwater / Product /		Surface			Soils /	Sedimer	ts / Sludge	
ource	Bailer		Sample	Bottle	· · · ·	$\mathbf{X}$	Scoop		Trowel	
vietnou	Pump	/	Bacon	Bomb			Bowl		Hand Auger	
	Pump						Push Probe	2	Plastic Liner	
Type/Construction		/				an an Ar An Ar An Ar	Mattocks			
liscellaneous	Well/Purgi Yes - No	ng Form								
Sample Collection: $(23)$ Sample Depth: $(2 - i)$		Sample Type: Cor	MI # of	increments ta	ken:		Location:	Plotted o Estimat	n Map - Staked in ed - Measured	Field Surveye
Sample Depth: $0 - l$ F	L N T (below surface	e) Decon: Ded	icated -	Each Day -	Each Locat	igh				<i>yrs</i>
Field Parameters at time of sample)			ytical l	Parameter	s		Oth	er Par	ameters	
PID / FID Readings:		voc	T				Corrosivity			
Background:	(). V ppm	SVOC	1				Reactivity Sulfide/Cyar	nide		
Sample:	ppm	Explosives (Selected)	V	TNT / RO	* MIC	10122LDE	Ignitability			
Water Level	FT	Metals (Selected)	1	TNT / RO	× 1					
Temperature	r	Perchlorate						QA Sa	mples	_
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / 1	40	NA
рН	ນກໍໄຮ	Nitrate / Nitrite				. <u> </u>	Duplicate ID			NA
Dissolved Øxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID			NA
Redox Potential	mV	Propellants				<u> </u>	Trip Blank ID			NA
Turbidity	N.T.U.							John Star		
<i>lvzt</i>	Samp , b^6wp	le Description				olit Samp ame:		Sample		
						gency/Co	mpany:			
					Ā	ddress:		_/		<u> </u>
	-							-		
Soil sample description shou Munsell Color Odor S		e Sorting Plasticity Ma	oisture			A/QC Pr arameter	ovided: MS/MSD_Duplicate s: Same as prove - As	Trip Blan Listed	ks - Field Blanks	
Water sample description sh	ould include:						1			
Color Odor Sheen	Turbidity									
						3				<u>.</u>
Logged By: Auier	- Sofel	(Please Prin	t)			Re	viewed by: $\underline{Jeff P}$	<u>xevk</u>	Date:	(Pleas
Signature:	Sat-			<u></u>			Signature:		Date:	

Location ID: <u>1146</u> Date: <u>3128</u> /87									
		······	Sam	pling Informat		Soile (	Sodiman	ts / Sludge	
Source	/ Groun	dwater / Product		Surface Wate	ar	Scoop	·	Trowel	
Method	Bailer			e Bottle				Hand Auger	
	Pump		Bacon	Bomb		Bowl		Plastic Liner	
						Push Probe	10		
Type/Construction				<u> </u>		Mattocks			
Miscellaneous	Well Purgi Yes - No	ng For <b>m</b>	/						
Sample Collection: 1240 Sample Depth: 7 / F	firs L /GOGWR T (below surface	Sample Type: Con If ) Decon: Ded	Mĭ #of	- MI - Grab increments taken: Each Day - Each	Location	Location:	Plotted of Estimate	n Map Staked in F ed - Measured	ield Surveyed GPS
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	ier Par	ameters	<b></b>
PID / FID Readings:		VOC	Ţ			Corrosivity			
Background:	(). ひ <sub>ppm</sub>	SVOC				Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Selected)	~	TATROX		Ignitability			
Water Level	FT	Metals (Selected)	-						
Temperature	r	Perchlorate					QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
pH	units	Nitrate / Nitrite	-			Duplicate ID			NA
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
RedoxPotential	mV	Propellants				Trip Blank ID			NA
Turbidity	n.t.U.					2			्राम् संस्थान् स्थानस्थ स
wet	Sampl <u>brown</u> L	e Description , osc 540 D			Split Samp	le D):	Sample		
	······				Address:	unhaut.			<u>, i i i i i i i i i i i i i i i i i i i</u>
	_						/		· · · · · · · · · · · · · · · · · · ·
Soil sample description shou Munsell Color Odor S Water sample description sh	Staining Textur	e Sorting Plasticity Mo	isture		QA/QC Pr Parameter	ovided: MSMSD - Deplicate s: Same as Above - As	Trip Blaol	ss - Field Blanks	
Color Odor Sheen					7				
Logged By: <u>X40</u> :er Signature: <u>Vin</u>	- Satelo	(Please Print	i)			viewed by:leff_f	Sert Eur	Date:	(Please Print) 2-08

Location ID: <u>144 G1</u> Date: <u>3 128/08</u>	3 VP2-55	-0305N-0001-5	r jelu č	Sampling	Keport		RVAAP LL 2, 3, and 4	Sub-Sl	ab Sample, Raven	ma, OH
Date:3 [28] 8			Samu	oling Inform	nation					
	J		Sam	Surface W		7	Soils /	Sedimer	ts / Sludge	
Source	·	dwater / Product	Sample			$\left\langle \right\rangle$	Scoop		Trowei	
Method	Bailer						Bowl		Hand Auger	
	Pump		Bacon				Push Probe		Plastic Liner	
		/					Mattocks	-		
Type/Construction						vin g	Manocks			
Miscellaneous	Well Purgi Yes - No	i								
Sample Collection: (223 h Sample Depth: (277 )	rs ( Koo the	Sample Type: Con If	ML # of	- MI - Grai increments take Each Day - C	en:	<u> </u>	Location:	Plotted o Estimat	n Map - Staked in F ed - Measured -	ield Surveyed
	(Delow surface			Parameters			Oth	er Par	ameters	/
Field Parameters (at time of sample)	-	Anal	yucai i	ai ametei 5	<u></u>					
PID / FID Readings:		VOC					Corrosivity			_+
Background:	O.Jppm	SVOC					Reactivity Sulfide/Cyar	nide		
Sample:		Explosives (Selected)	$\overline{}$	TINT 1 RD	6 10 10	127 12	Ignitability			
Water Level	FT	Metals (Selected)	~	TNT 1 RD	30/3+	<del>ol a los</del>				
		Perchlorate	-	11.	~			QA Sai	mples	/
Temperature	uMHOs						MS/MSD	Yes / 1	No	NA
Sp. Conductance:	۵MHOs  units	PCBs					Duplicate ID			NA
рН	Mg/L	Nitrate / Nitrite					Equipment Rinse ID	/		NA
Dissolved Oxygen	mg / L 	Propellants					Trip Blank 1D			NA
Redox Potential	N.T.U.		+	<u> </u>						
Lobse, Wet, br	Samp Samp	le Description			Nan			Sample		<u> </u>
							прану:			<u></u>
					- Ado	lress:		<u> </u>	<u> </u>	<u></u>
								-		
Soil sample description shoul Munsell Color Odor Si Water sample description sho Color Odor Sheen T	taining Textur ould include:	e Sorting Plasticity Mo	oisture		QA Par	/QC Pr ameter	ovided: MS/MSD - Duplicate s: Same as Above - As	Trip Blar Listed	na Solan Samana an	
									lands - Alexandria and Alexandria - Alexandria	
Logged By: KAUIEr	So telo	(Please Prin	nt)				viewed by: <u>Jeff 7</u> Signature: J-/L-7	sern Fer	Date: 4-	(Please ]
						5	Signature:			

Location ID: <u>LL4615-</u>	SB-0	3151-0001-4	Field .0 /0 101	Sampling	g Keport		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	enna, OH
Date: 3-28-08			0							
			Sam	pling Info	mation					
Source	Grow	ndwater / Product		Surface	Water		Soils /	Sedimer	ts / Sludge	
Method Jm-	Bailer		Sampl	e Bottle	/		Scoop		Trowel	
	Ритр		Bacon	Bomb	/		Bowl	the start	Hand Auger	
				/			Push Probe	5 1012 #	Plastic Liner	<u> </u>
Type/Construction				/			Mattocks	Ľ	SMC	Х
Miscellaneous	Well Purgi Yes - No	ing Form	/							
Sample Collection: 137hrs	/	Sample Type: Co	nposite	- MI - Gr	ab)/	<u></u>	Location:	Plotted o	n Map Staked in	Field
	, (below surfac	If	ML# of	increments ta Each Day -	ken.	+		Estimat	ed - Measured - ( GP 5 c .	Surveyed
			>	Parameters	$\smile$		Oth		ameters	
Field Parameters (at time of sample)			yııcar i	rarameters	, 					
PID / FID Readings:	,	VOC					Corrosivity			
Background: ND	ррта	SVOC					Reactivity Sulfide/Cyar	ide		
Sample:	ppm	Explosives (Selected)					Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	r	Perchlorate						QA Sai	nples	$\bigwedge$
	uMHOs	PCBs					M\$/MSD	Yes / N		NA
Sp. Conductance:	units	Nitrate / Nitrite					Duplicate ID			NA
pH Dissolved Oxygen	Mg/L	TPH DRO / HRO	`				Equipment Rinse ID	/		NA
Redex Potential	 mγ	Propellants	-				Trip Blank ID	/	·	NA
Turbidity	N.T.U.	TNT/ROX	X							
_ Silty clay,	Samp	le Desc <b>ript</b> ion		t mui	≥ <b>∔</b> Split	Samp		Sample	/	
						ie:			/	
							mpany:	1		
								/		
					2					
Soil sample description should	include:				QA/	QC Pr	ovided: MSPISD - Duplicate -	Trip Blank	s - Field Blanks	
Munsell Color Odor Sta	ining Textur	e Sorting Plasticity Mo	isture		Para	meter	s: Same as Above - As	Listed		
Water sample description should	ld include:						/			
Color Odge Sheen Tu	rbidity					1				
					The Bit cases grows and a set of the Bit cases of the					
Logged By:		(Please Prin	i)			Rev	viewed by: Jeff B	211		(Please Prin
						s	Signature:	Fit	Date:	-2-08

· · · · · · · · · · · · · · · · ·	Com		Sam						
Nethod	C		Conserved of	pling Informat		Catle /	Zadimon	nts / Sludge	
Method JMC	Groun	dwater / Product		Surface Water	$\sim$		Seamen	Trowel	
	Bailer			e Bottle		Scoop		Hand Auger	
<i></i>	Ритр		Bacon	Bomb		Bowl	021	£	
						Push Probe	7	Plastic Liner	
Type/Construction		$\angle$	A second			Mattocks		JMC	
Miscellaneous	Well Purgi	ng Form					-		
Sample Collection: 447	_1		Composite	- MI (Grab		Location: H	Plotted o	n Map - Staked in F	ield
Sample Depth: <u>0-4</u> F			If ML # of	increments taken: Pach Day - Each I	ocation		Estimate		Surveyed
				Parameters		Oth	er Par	ameters	
Field Parameters (at time of sample)									
PID / FID Readings:	-	VOC				Corrosivity			
Background: $\mathcal{ND}$	nada	SVOC				Reactivity Sulfide/Cyan	ide		
Saniple:	ppm	Explosives (Selected	1)		-	Ignitability			
Water Level	FT	Metals (Selected)	-						
	r	Perchlorate				(	)A Sar	nples	/
Temperature	uMHOs	· · · · · · · · · · · · · · · · · · ·					Yes / N		NA
Sp. Conductance:	units	PCBs Nitrate / Nitrite				Duplicate ID		/	NA
pH	Mg/L	TPH DRO / HRO	<u> </u>			Equipment Rinse ID	/		NA
Dissolved Oxygen	mV	Propellants		<u> </u>		Trip Blank ID			NA
Redox Potential Turbidity		TNT/ROX	X						
Soil sample description shoul Munsell Color Odor S Water sample description shoul Color Odor Sheen T Logged By: B. Poot	d include: taining Texturn uld include: "urbidity		Moisture	Lousnallt			Trip Blash jstëd	ss - Field Blanks	(Please Prime

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Location ID: <u>11461</u> Date: 3/23/08	3VP1-9	SS-0185N	F -000	ield   >	Sampling	Report		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	nna, OH
Date:									·		
	<u> </u>		- N	Sam	pling Infor	. March Astic		0-1-		to / Sludge	<u> </u>
Source		ndwater / Product		$\overline{/}$	Surface	Water			Seattinen	ts / Sludge	
Method	Bailer			Sample	Bottle			Scoop	-		
$\backslash$	Pump		200 24 24 24 24 24 24 24 24 24	Bacon	Bomb			Bowl		Hand Auger	
					<u> </u>			Push Probe		Plastic Liner	
Type/Construction		$\rightarrow$						Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form	- Alternation			N	<b>、</b>				
Sample Collection: 1420 h Sample Depth: 0-1 FT	rs `(below surfac		ĬEM	I. # of	- MI Gr increments tal Each Day I	cen:	>	Location:	Plotted or Estimate	Map Staked in I d - Measured -	Field
Field Parameters	(beiow builde				Parameters			Ott	her Para	ameters	
(at time of sample) PID / FID Readings:		NQC .						Corrosivity	、		
	VD ppm	svoc						Reactivity Sulfide/Cya	nide		
<u>\</u>		<b>`</b>			· · · · · · · · · · · · · · · · · · ·			Ignitability			
Sample:	ppm FT	Explosives (Sele									
Water Level		Metals (Selected									
Temperature	ۍ 	Perchlorate			<u> </u>				QA San		NA
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / N	0	NA
PH Hq	ບກ່າວ	Nitrate / Nitrite	<u> </u>			$\sim$		Duplicate ID	$\geq$		NA
Dissolved Oxygen	Mg/L	TPH DRO / HR	10			$\rightarrow$	<u>,                                  </u>	Equipment Rinse ID Trip Blank ID		$\overline{}$	NA
Redox Potential		Propellants	As (	./						-	
Turbidity		TNT/R			,	294	<u>~-51</u>		Sample		
Brown Moust Lea	Sampl ~ Clay	le Description with S	ANC	).		Spli	it Samp				
· · · · · · · · · · · · · · · · · · ·						Age	ency/Co	mpany:			
							lress:				
Soil sample description should	l include:				·		/OC Pr	ovided: MS/MSD - Duplicate	Trip Blank:	s Field Blanks	
Munsell Color Odor Stu		e Sorting Plastic	ty Mois	ture		Par	ameter	s: Same as Above - As	Listed	X	
Water sample description shot		<b>u</b>	-								
Color Odor Sheen Ti						6 Conditional C					
	-					A second					
Logged By: J. Gur	¥	(Plea	ise Print)			I	Rev	viewed by: Jeff ignature: J////	Berk herk	Date: _4-	(Please Print) 2-06
Signature:			<u></u>					ignature: <u>JAL-19</u> OC - JS	1-0101	US	
								50 JS	IUper I	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	

Location ID: <u>LL4G12</u> Date: <u>3/28/08</u>	A-55-	-0225N	-00i	Field S Oy <sup>-</sup> Si	Sampling H	Report		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Ravenn	a, OH
Date:											
· · ·	·····			Samp	ling Inform			Soile	/ Sedimen	ts / Sludge	
Source		ndwater / Produc	:t	$\overline{\mathbf{X}}$	Surface Wa	iter		Scoop		Trowel	Τ-
Method	Bailer			Sample						Hand Auger	
	Pump	$\searrow$		Bacon I	Bomb			Bowl			+
						$\lambda$		Push Probe		Plastic Liner	
Type/Construction								Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form					$\backslash$			15 10/27/	00
Sample Collection: <u>1440</u> hr		Sample T	ype: Con If	nposite MI, # of i	- MI - Grab ncrements taker	) 15 10/2-	nlaz Dici		Plotted of Estimate	n Map Staked in Fie	ad )
Sample Depth: <u>0 -1</u> FT	(below surfac	e) Decoi			ncrements taker Each Day - Eac					· · · · · · · · · · · · · · · · · · ·	
<b>Field Parameters</b> (at time of sample)		t	Analy	ytical P	arameters			Ot	ner Par	ameters	. <u></u>
PID / FID Readings:		voc						Corrosivity			
Background: W	0 ppm	svoc						Reactivity Sulfide/Cy	anide		
Sample:	/ppm	Explosives (Se	lected)	$\mathbf{k}$				Ignitability	. <u></u>		
Water Level	FT	Metals (Selecte						· · · · · · · · · · · · · · · · · · ·			
Temperature	°C	Perchlorate					(		QA San	nples	
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite	e			$\mathbf{i}$		Duplicate ID			NA
Dissolved Øxygen	Mg/L	TPH DRO / H	RO				<u> </u>	Equipment Rinse ID			NA
Redox Potential	mV	Propellants					V	Trip Blank ID			NA
Turbidity	N.T.U.	TNT/RI	NX	V						/	
Soil sample description should Munsell Color Odor Sta Water sample description shou Color Odor Sheen Tu	include: ining Textur ald include: urbidity	e Sorting Plasti	icity Mo	isture	<u>sw-sm</u>	Add	ncy/Co Iress: /QC Pr ameter	le ID: mipany: ovided: MS/MSD - Duplicate s: Same as Above - A	Sample	s - Fiekl Blanks	Piezes Pi
Logged By: Tum (10)	<u>()1</u>	(Ple	ase Print	i)				viewed by:	But	Date:	
Signature:	<u> </u>								07/00		
		·					(	QC- Js 101	27/08	,	

Sampling Information       Startage     Scartage Water     Solal / Schemete / Stadge       Nature     Baller     Staget Each     Score     Score     Towel       Pump     Hack Bolts     Howl     Hand Auger       Type/Construction     Weil Pump group grown     Material Score     Pump     Hack Bolts     Howl       Sample Collection     USE     Sample Type Compatie - ML - Control     Material     Material     Sample Type Compatie - ML - Control       Sample Collection     USE     Sample Type Compatie - ML - Control     Material     Material     Sample Type Compatie - ML - Control       Sample Collection     USE     Sample Type Compatie - ML - Control     Material     Material       Sample Collection     USE     Sample Type Compatie - ML - Control     Location: Plotted an type Collection - Material       Sample Collection     USE     Sample Type Compatie - ML - Control     Location: Plotted an type Collection - Material       Sample Collection     USE     Sample Type Compatie - ML - Control     Location: Plotted an type Collection - Material       Sample Collection     USE     Sample Type Compatie - ML - Control     Location: Plotted an type Collection - Material       Sample Collection     Material Type Compatie - ML - Control     Water Collection     Data       Sample Doce     Work     Read Waterial	264 612 Location ID: <u>264 6</u> Date: 3/28/08		· · · · · · · · · · · · · · · · · · ·							
Marked     Decision     Sample Bottle     Score     Trowel       Pump     Back Botk     Bowl     Bowl     Bowl     Hand Auger       Properties     Pump     Back Botk     Bowl     Bowl     Hand Auger       Properties     Pump     Back Botk     Bowl     Pumb Probe     L     Plastic Liner       Matter     Matter     Matter     Matter     Matter     Matter     Matter       Sample Collection:     USE Print     Sample Type Compretie     Matter     Matter     Matter       Sample Depth:     Off     Prof. Derror     Definition     Definition     Matter       Sample Depth:     Off     Prof. Derror     Definition     Sample Solution     Matter       Pield Parameters     Other Parameters     Other Parameters     Matter     Matter       Sample:     /me     Explosives (Selected)     Ignitability     Ignitability       Water Level     /r     Metak (Selected)     Ignitability     NA       Pill     was     Nitrate / Nitritie     Daplace ID     NA       Disadved Oxyden     Mart     THE AIX     Disadved Oxyden     NA       Bisadved Coyden     Mart     THE AIX     Disadved Oxyden     NA       Bisadved Coyden     Mart <td< th=""><th></th><th></th><th></th><th>- Sar</th><th>en en e</th><th>the state of the second</th><th>Soils</th><th>/ Sedimer</th><th>nts / Sludge</th><th></th></td<>				- Sar	en e	the state of the second	Soils	/ Sedimer	nts / Sludge	
Pump     Baon Book     Bowl     Hund Auger       Type/Construction     Well Purping Form     Sample Type: Conjectite - ML (Car)     Manocks       Sample Collection:     1425 hrs     Sample Type: Conjectite - ML (Car)     Location:     Point Col on Mm Caloff in Body       Sample Collection:     1425 hrs     Sample Type: Conjectite - ML (Car)     Location:     Pointed - Manocks       Sample Collection:     1425 hrs     Sample Type: Conjectite - ML (Car)     Location:     Pointed - Manocks       Sample Collection:     147 http:// Caloff in Body     Decime Decime to - Each Day     Each Location:     Nov G.P.S       Field Parameters     Analytical Parameters     Other Parameters     Other Parameters       Field Parameters     VOC     Corrosivity     Nov G.P.S       Sample:     NP     Prestorme     QA Samples       Water Leval     YT     Menits (Selected)     Hainbilly     No       PM     wait Nitrite / Nitrite     Daplicate ID     NA       PM     wait Nitrite / Nitrite     Daplicate ID     NA       PM     wait Nitrite / Nitrite     Daplicate ID     NA       Parameters     Sample Description     Split Sample Dic     Split Sample ID       Sold sample description should Include:     Caloff Nitrite     Daplicate ID     NA       Pointed Co			ndwater / Product	- Com						Τ
Parting       Partice Town         Type/Construction       Weil Purging Form         Yes - No       Sample Type Composite - MI - Centy         Sample Collection:       1455 ms         Sample Type Composite - MI - Centy       Location:         Decom: Doctored to many the Material Science of the Material	Menaod	· · · ·	<u> </u>	999 7999 999					Hand Auger	
Type/Construction       Weil Purging Form         Minisolanceous       Weil Purging Form         Yes - No       Sample Construction         Sample Constructions       If the of incommunity and the operation of the second of the operation of the operati		Pump	$\rightarrow$	Daco		신 사람은 것들을 구성되는 1993년				+
Type:/ animeters       Weil Purging Form         Yes - No       Sample Type: Composite - MI - (Smb)         Sample Dept:       0 - 1         Field Parameters       Analytical Parameters         (ai time of sample)       Other Parameters         PID / FID Readings:       No         Sample:       ////////////////////////////////////							· · · · · · · · · · · · · · · · · · ·			
Yes - No       Sample Type Composite - MI - Gample Market in Fight Dial         Sample Depth: 0 -1 FT (below surface)       Decom Declarate - Each Day (Each Location)       Location:         Field Parameters       Analytical Parameters       Other Parameters         uithe of single)       VOC       Corrosivity       Readering Sample Depth: 0 - 1         FIeld Parameters       VOC       Corrosivity       Nov G. (S)         Sample Control of Market Development Parameters       Other Parameters       Other Parameters         VOC       Readering Sample Sample Sample (Selected)       Ignitability       Ignitability         Sample:       NP       rem       SVOC       Ignitability       Ignitability         Water Loreat       Yr       Metals (Selected)       Ignitability       Ignitability       NA         PHI       water Sample       Perchlorate       QA Samples       NA         PHI       water Nitrate / Nitrite       Duplican: 10       NA         PHI       water Nitrate / Nitrite       Duplican: 10       NA         PHI       water Nitrate / Nitrite       Duplican: 10       NA         PHI       water Sample Decription       Sample Decription       Sample Decription         Sould sample description should include:       Clay       Sample Abor							Mauocks		1	
Sample Depth:     0.1     FT (below surface)     If Mi, # of increments Tation     Estimated - Measured - Survey       Sample Depth:     0.1     FT (below surface)     Decision:     Decis	Miscellaneous		ing Form				<b>\</b>			
Sample Depth:     0-1     FT (below surface)     Decon:	Sample Collection: _/455	us	Sample Type: (	Composite	- MI - Grab	)	Location:	Plotted of Estimate	n Map <u>Staked in F</u> ed - Measured - S	ieki urve
PHO Parameters       Photo Parameters         PTD / PTD Readings:       VOC         Background:       NO         Sample:       //mm         Sample:       //mm         Sample:       //mm         Temperature       Perchlorate         Sp. Conductance:       0A Samples         Sp. Conductance:       0ANO         Assolved Oxygen       Mark / Nitrite         Dissolved Oxyg	Sample Depth:F	T (below surfac	e) Decon: D	Dedicated	Each Day Eac	ch Location	- 	No	SPS	
PTD / FTD Readings:       NOC       Corrosivity         Background:       NO       SVOC       Reactivity Sulfide/Cynnide         Sample:       Provided: Selected)       Ignitability         Water Level       PT       Metals (Selected)       Ignitability         Temperature       C       Perchlorate       QA Samples         Sp. Conductance:       watto Nitrate / Nitrite       Duplicate ID       NA         PH       uan       Nitrate / Nitrite       Duplicate ID       NA         Redox Pogential       nov       Propellants       Trip Blank ID       NA         B:.cust w moth this were for this w	Field Parameters		An	alytical	Parameters		Ot	her Par	ameters	
FID / FID / Relining:       FOC       FOC       Reactivity Sulfide/Cynide         Background:       NO       FOC       Reactivity Sulfide/Cynide         Sample:       Prevent       Explosives (Selected)       Ignitability         Water Level       Pri       Metals (Selected)       Ignitability         Water Level       Pri       Metals (Selected)       Ignitability         Temperature       V       Perchlorate       QA Samples         Sp. Conductance:       works       PCBs       MS/MSD       Yes / No       N/         Dissolved Oxgen       Ms/L       TPH DRO/HRO       Equipment Riuse ID       NA         Redox Postatial       no       Propellants       Trip Blank ID       NA         Turbidity       N.T.U.       T/T/RAX       Split Sample       Split Sample         Soil sample description should include:       Muscil Color       Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MSMSD: Dupknee: Trp Blank: Pedanase:         Water sample description should include:       Color       Odor Sheen Turbidity       Reviewed by:							Содоліціти			Τ
Sample:     Image:	•	10 ppm						anide	$\downarrow -$	
Water Level       FT       Metals (Selected)         Temperature       V       Perchlorate       QA Samples         Sp. Conductance:       WANDY       PCBs       MS/MSD       Yes / No       N/         pH       una       Nitrate / Nitrite       Duplicate ID       NA         pII       una       Nitrate / Nitrite       Duplicate ID       NA         Redox Poyential       m       Propellants       Trip Blank ID       NA         Turbidity       N.T.U.       T/T / R/JX       Split Sample       Split Sample         B: UM M 10055 th: WAST, Clay       Split Sample ID:       Name:       Address:         Soil sample description should include:       Musell Color Odor Staining Texture Sorting Plasticity Moisture       Water sample description should include:       Color Odor Sheen Turbidity         Color Odor Sheen Turbidity       Reviewed by:       Left Beet h       genese Pint)       Reviewed by:       Left Beet h       genese			SVOC		· · · · · · · · · · · · · · · · · · ·					
Temperature       C       Perchlorate       QA Samples         Sp. Conductance:       ustify       PCBs       MS/MSD       Yes / No       N/         pH       ustify       Nitrate / Nitrite       Duplicate ID       NA         Dissolved Oxygen       Ms/L       TPH DRO / HRO       Equipment Rinse ID       NA         Redox Pogential       mv       Propellants       Trip Blank ID       NA         Turbidity       N.TU       TVT / RAX       Sample Description       Split Sample         Soil sample description should include:       Clay       Split Sample ID:       Name:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture       Water sample description should include:       Color Odor Sheen Turbidity       Out QC Provided: MSAMSD - Duphase - Trip Blacks - Bel Blacks         Veter sample description should include:       Color Odor Sheen Turbidity       Reviewed by:	Sample:	ppm	Explosives (Selected	I)			Ignitability		$\downarrow$ $\downarrow$ $\rightarrow$	
Sp. Conductance:       uMHO       PCBs       MS/MSD       Yes / No       NA         pH       units       Nitrate / Nitrite       Duplicate ID       NA         Dissolved Oxygen       Mg/L       TPH DRO / HRO       Equipment Rinse ID       NA         Redox Pogential       nov       Propellants       Trip Blank ID       NA         Turbidity       N.T.U.       TNT / RAX       Split Sample Description         Brown en 0.54 from error       Cley       Split Sample ID:       Name:         Soil sample description should include:       Mascher       Mascher       Name:         Musell Color Odor Staining Texture Sorting Plasticity Moisture       Qu/OC Provided: MSMSD Duphase - Trip Blanks - Trip Blanks       Parameters:       Same as Above - As Listed         Water sample description should include:       Color Odor Sheen Turbidity       Please Print)       Reviewed by:	Water Level	FT	Metals (Selected)	_						
Sp. Conductance:       uards       PLBs       normalized (Name)         pH       uards       Nitrate / Nitrite       Duplicate ID       NA         Dissolved Oxygen       Ms/L       TPH DRO / HRO       Equipment Rinse ID       NA         Redox Potential       mv       Propellants       Trip Blank ID       NA         Turbidity       N.TU       T/// R/AX       Split Sample       Split Sample         B: use v       most fragment Ringe ID       NA         Address:       Clay       Name:       Name:         Soil sample description should include:       Munsell Color Odor Staining Texture Sorting Plasticity Moisture       QAQC Provided: MSAMSD Daphase Try Blacks - TPA Blacks         Water sample description should include:       Color Odor Sheen Turbidity       Reviewed by:	Temperature	°C	Perchlorate					QA Sar	nples	
pH       das       Nitrate / Nitrite       Dissolved Oxygen       Mg/L       TPH DRO / HRO       Equipment Rinse ID       NA         Redox Potential       nv       Propellants       Trip Blank ID       NA         Turbidity       N.T.U.       TWT / RAX       Trip Blank ID       NA         Brown most to west to west to west to west to clear       Sample Description       Split Sample       Split Sample         Soil sample description should include:       Mussell Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MS/MSD - Duptade - Trip Blacks - The Blacks       The Black - The Blacks - The Blacks - The Black	Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	ío	N,
Dissolved Oxygen       Net T       TPH DROTHRO       Dissolved Oxygen         Redox Poyential       mv       Propellants       Trip Blank ID       NA         Turbidity       NTU       TVT/RAX       Sample Description         Brown       MOST from error       Split Sample         Soil sample description should include:       Address:       Address:         Munsell Color       Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MSASD - Dupkale - Trp Blacks - The Blanks         Water sample description should include:       Color       Soil sample description should include:       Address:         Color       Odor Steen Turbidity       Reviewed by:       Jeff Berth       genes	рн	units	Nitrate / Nitrite				Duplicate ID			NA
Redox Pojential       m       Properations         Turbidity       N.T.U.       TWT / RAX         Brown       Moret Arrows Arr	Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Sample Description       Split Sample         Brown most how etc, Clay       Split Sample ID:         Name:       Agency/Companys;         Address:       Address:         Soil sample description should include:       Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:       Color Odor Sheen Turbidity         Logged By:       XAvier Sofe(v         (Please Print)       Reviewed by:         Jeff Beth       Present	Redox Potential	mV	Propellants				Trip Blank ID			<u> NA</u>
Sample Description       Split Sample         Brown most tower, Clay       Split Sample ID:         Soil sample description should include:       Agency/Companys,         Munsell Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MSAASD - Duphcate - Dip Blacks - Pool Blacks - P	Turbidity	N.T.U.	TNT/RAX							
Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       XAvi en Sofe/v         (Please Print)	3	Samp	le Description			P-114 Com		Sample		
Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       XAVi en Sote(1)         (Please Print)         Reviewed by:       Jeff Beth         (Please Print)	Drearn moist	N W 97	, 6/64	-						
Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       XAvi en Soteln         (Please Print)         Reviewed by:       Jeff Bei h         (Please Print)					· · · · · · · · · · · · · · · · · · ·	Name:	$\mathbf{x}$			
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity Logged By: XAVIEN Sofelv (Please Print) Reviewed by: Jeff Berh (Please						Agency/Co	impany			
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       XAvi en Sotelv         (Please Print)         Reviewed by:       Jeff Beth         (Please Print)						Address:				
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       XAvi en Sotelv         (Please Print)         Reviewed by:       Jeff Beth         (Please Print)							$\sim$			
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       X4vi en Sotelv         (Please Print)         Reviewed by:       Jeff Beth         (Please Print)									$\overline{\mathbf{x}}$	
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       X4vi en Sotelv         (Please Print)         Reviewed by:       Jeff Beth         (Please Print)						QA/QC Pa Parameter	ovided: MS/MSD - Duplicate s: Same as Above - As	- Trip Blank Listed	s - Field Blanks	
Color Odor Sheen Turbidity Logged By: XAVIEN Sotely (Please Print) Reviewed by: Jeff Bech (Please			e Sorting Plasticity l	loisture						
Logged By: XAVIEN Sofely (Please Print) Reviewed by: Jeff Bech (Please	_									$\sum$
Logged By: //rot cr = (Tease Trink)	Color Odor Sheen T	urbidity								
Logged By: // Port C/ C - Tot		<i>c i i</i>		i		C. La Martine and M. S. Santa and M. S. Santa and M. S	14	Rah		
	Logged By: XAUTEN	Sotels	(Please Pr	int)			9 // -	p/		_

Location ID: <u>LL468V</u> Date: 3/28/08	P -55-	<u>024<i>SN</i></u> -000	<b>Field</b> \$ 1 - 5 0	Sampling 1	Report ,		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Raven	na, OE
			Sam	oling Inform	ation					
Source	Grou	ndwater / Product		Surface W	25 . 12 - 12 - 13		Soils /	Sedimen	ts / Sludge	
Wethod	Bailer		Sample	Bottle			Scoop		Trowel	
President	Pump		Bacon	Nomb.			Bowl	1	Hand Auger	$\top$
	Tump			$\overline{\mathbf{N}}$			Push Probe	10	Plastic Liner	
Type/Construction		<u> </u>		$\overline{}$			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form			$\sum$	<b>X</b>			······································	
Sample Collection: $\frac{135}{5}$ h Sample Depth: $0 - 1$ F	ırs T (below surfac		f MI. # of i	- MI - Grab ncrements take Each Day - Ea	0:0	<u>-</u>	Location:	Plotted of Estimate	n Map Staked in Fi cd - Measured - S	eld urveye
Field Parameters		· · · · · · · · · · · · · · · · · · ·		arameters			Oth	ier Para	ameters	
(at time of sample) PID / FID Readings:		voa					Corrosivity			
	V0 <sup>ppm</sup>	svoc			-		Reactivity Sulfide/Cyar	nide		
Sample:	ppm	Explosives (Selected)					Ignitability			$\rightarrow$
Water Level	FT	Metals (Selected)	$\mathbf{X}$							
Temperature	r	Perchlorate						QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	0	NA
н	units	Nitrate / Nitrite					Duplicate ID		<u> </u>	NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO			$\square$	_	Equipment Rinse ID			NA
Redox Potential	mv	Propellants					Trip Blank ID			NA
Turbidity	N.T.U.	TNT/ROX	$\checkmark$					· · · · · · · · · · · · · · · · · · ·		
Brow wet Lear	Samp	le Description			- Nan	$\sim$		Sample		
						ress:				
Soil sample description should Munsell Color Odor St Water sample description shou	taining Textur	e Sorting Plasticity M	oisture		QA/ Par	QC Pro ameter:	ovided: MSMSD - Duplicate - s: Same as Above - As	Trip Blank Listed	s - Field Blanks	
Color Odor Sheen T										
Logged By:	67071	(Please Prin	nt)				viewed by: <u>Jeff B</u> ignature: <u>Nell-nef</u>	eih teve	Date:	_(Please ) 2-0
Signature:/By	<u>-///)</u>									

Location ID: LL46 Date: 3/28/6	516-55 vs	-021SN-	Field ひつり	Sampling	; <b>Report</b> }=7 ≈∞		RVAAP LL 2, 3, an	d 4 Sub-Slab	) Sample, Ravenn	a, OH	
				pling Infor							
Source Groundwater / Product				Surface Water			Soils / Sediments / Sludge				
- <del>\</del>	Method Bailer		Samp	e Bottle			Scoop Trowel		Trowel		
	Pump		Baco	Bont			Bowl		Hand Auger		
			And Charles And Andrew And Andrew Andrew Andrew Andrew Andrew				Push Probe	4	Plastic Liner		
Type/Construction							Mattocks			-	
Miscellaneous	Well Purgi Yes - No	Well Purging Form Yes - No									
Sample Collection: 1540 Sample Depth: 0-1	hrs FT (below surfac		If MI. # o	- MI - Gra f increments tak Each Day - f	en:	2	Location:	Plotted on M Estimated	Man-Staked in Fie - Measured - Sur	d rveyed	
Field Parameters (at time of sample)	Analytical Parameters					Other Parameters					
PID / FID Readings:		VOC					Corrosivity				
Background: $WO^{ppm}$		svoc					Reactivity Sulfide/Cy	anide			
Sample: ppm		Explosives (Select	ed)				Ignitability				
Water Level FT		Metals (Selected)		1							
Temperature °		Perchlorate					QA Samples				
Sp. Conductance: uMHOs		PCBs					MS/MSD Yes / No			NA	
PH units		Nitrate / Nitrite				,	Duplicate ID		]	NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID			NA	
Redox Potential		Propellants					Trip Blank ID			NA	
Turbidity	N.T.V	TNTIRD	40							$\geq$	
Brown, u	Sampl	TNTIRD e Description Clay and	hsqa	o		t Sampl		t Sample			
· · · · · · · · · · · · · · · · · · ·				Name:			ompagy:				
						ress:	<u>~~~</u>				
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture					-QA/ Para	QA/QC Provided: MS/MSD - Duplicate Trip Blanks - Field Blanks Parameters: Same as Above - As Dated					
Water sample description should include:											
Color Odor Sheen Turbidity											
Logged By: Dr. Q. Conf (Please Print)					Reviewed by: Jeff Berk (Please Print) Signature: Jeff Berk Date: 4-2-08						
Signature:				<u> </u>			C - Js 10/27	108			
Cocation ID: LLYG Date: 3/28/08							<u> </u>				
---	---	-------------------------	-------------------------	------------------------	---------------	-----	-----------------------	-----------	--	--------------	
			San	npling Info Surface			Soils	/ Sedimer	ts / Sludge		
Source	Bailer	ndwater / Product	Samo	le Bottle	Water		Scoop		Trowel	-	
Method			$\vdash$	Bomb			Bowl		Hand Auger		
	Pump	$\rightarrow$ $+$	Dacon				Push Probe	1	Plastic Liner		
							Mattocks				
Type/Construction Miscellaneous	Well Purgi	ing Form							<b></b>	t	
	Yes - No								Mar Staling in I	Raid	
Sample Collection: / 6 00			MI. # of	f increments ta	iken:		Location:	Estimate	n Map - Staked in I ed - Measured -	Surveyed	
Sample Depth: <u>0</u> F	T (below surfac	e) Decon: Dec	licated -	- Each Day 🧲	Each Locati	ion	1	6 P-5		$\leq$	
Field Parameters (at time of sample)		Ana	lytical	Parameter	S		0	ther Par	ameters		
PID / FID Readings:		NOC	T				Corrosivity				
_		svoc					Reactivity Sulfide/Cy	anide			
Sample:	e ppm	Explosives (Selected)		<u> </u>			Ignitability				
<u> </u>	FT	Mètals (Selected)									
Water Level			$\uparrow$				<u></u>	QA Sai	mples		
Temperature	ۍ 	Perchlorate		$\searrow$			MS/MSD	Yes / N	<u> </u>	NA	
Sp. Conductance:	uMHOs	PCBs		+			Duplicate ID		· · · · · · · · · · · · · · · · · · ·	NA	
	units Mg/L	Nitrate / Nitrite		+	$\rightarrow$		Equipment Rinse ID			NA	
Dissolved Oxygen Redox Potential	mgin	Propellants		<u> </u>			Trip Blank ID			NA	
Turbidity		TNT/RAY	$\overline{\mathbf{v}}$						<u>.</u>		
Soil sample description shou	ld include: Staining Textur puld include:	e Sorting Plasticity Me	oisture	<u>&gt;P-sm/s</u>	Ag	Pa	sle ID:	s Listed	s - Field Blanks	Cilease Prin	

Location ID: <u>[1466</u> Date: <u>3/28/08</u>	7-55-C	000-1282	-30 yri	oh130		RVAAP LL 2, 3, and	d 4 Sub-S	ab Sample, Rave	nna, OH
				ıg Informati					
Sobrce	Grour	ndwater / Product	Ì	Surface Water		Soils	: / Sedimer	ts / Sludge	
Method	Bailer		Sample Bo	ttle		Scoop		Trowel	
MARINOU	Pump		Bacon Bon			Bowl		Hand Auger	
	' unp	$\rightarrow$				Push Probe	1	Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg	n <del>g Form</del>			X				
Sample Collection: 1620 h	Yes - No	Sample Type: Cor	nposite - N	AI - Grad	<u> </u>	Location:	Plotted o	n Map Staked in	Field
0-1	f (below surfac	If	MI. # of incr	ements taken: h Day Each I	ocation		Estimati	ed - Measured -	Surveyed
Field Parameters			ytical Par		·····	<u> </u>	ther Par		
(at time of sample) PID / FID Readings:		VOCX				Corrosivity	••••		
	<i>sp</i> <sub>ppm</sub>	svoc				Reactivity Sulfide/Cy	anide	$\overline{\langle}$	
Sample:	ppm	Explosives (Selected)				Ignitability			$\overline{}$
Water Level	FT	Metals (Selected)	$\mathbf{H}$						$\rightarrow$
-	ۍ ۲	Perchlorate	+			$\overline{}$	QA Sai	noles	an a
Temperature	uMHOs	PCBs	+	$\overline{}$		MS/MSD	Yes / N		NA
Sp. Conductance	បារាំវែ	Nitrate / Nitrite		$\sim$		Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	+		$\overline{}$	Equipment Rinse ID		$\leq$	NA
Redox Potential	mV	Propellants				Trip Blank ID		$ \geq $	NA
Turbidity	N.T.U.	TNT/ROX							
Botton Brow	vet c		₩0 ₩.₽	SW-suls	Split Sampl Name Agency/Coi Address:				
Soil sample description should Munsell Color Odor St Water sample description shou Color Odor Sheen T	aining Textur uld include:	e Sorting Plasticity Mo	isture		QA/QC Pro Parameter	wided: MS/MSD - Duplicate : Same as Above - A	- Trip Black	Field Blanks	X
Logged By: Signature:Or	brogs	(Please Print	)			iewed by: gnature:	Berh	Date: <u>4-</u>	(Please Pri 208
					G.	C. 18 10.	127101	3	

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Location ID: <u>1130</u> Date: <u>3/28/08</u>	}									والمعادية والمتعاقف والم
			-	pling Informa						
Source	Grou	ndwater / Product	$\mathcal{N}$	Surface Wate	r		Soils /	Sedime	nts / Sludge	<u> </u>
Method	Bailer		Sangl	e Bottle			Scoop		Trowel	
	Pump		Bacon	Bongb			Bowl		Hand Auger	
							Push Probe	V	Plastic Liner	
Type/Construction	$\rightarrow$	$\overline{}$					Mattocks			
Miscellaneous	Well Purgi	ing Form				N.				
	Yes - No						Location	Plotted	on Map - Staked in	Field
Sample Collection: <u>175</u>		Sample Type: Con If	'ML # of	increments taken:			Location	Estimat	ed - Measured -	Surveyed
Sample Depth: 0-1	_ FT (below surfac	e) Decon: Dec	licated -	Each Day - Each	Location	2				42 10
Field Parameters (at time of sample)		Anal	ytical ]	Parameters			Oth	er Par	ameters	
PID / FID Readings:		VOC				r.	Corrosivity			
Background:		svoc					Reactivity Sulfide/Cya	nide		
-	ND	└──── <b>╲</b> ──					Ignitability		$\pm$	
Sample:	ррт	Explosives (Selected)	$\leftarrow$	<u> </u>					+ -	
Water Level	FT	Metals (Selected)	$\vdash$	<u> </u>	<u> </u>			<u> </u>		
Temperature	°C	Perchlorate						QA Sa	mples	
Sp. Conductance:	uMHOs	PCBs			L		MS/MSD	Yes / 1	No	NA
рН	units	Nitrate / Nitrite			$\sum$		Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID			NA
Redox Potential	mV	Propellants		· · · · · · · · · · · · · · · · · · ·	· .	-	Trip Blank ID			NA
Turbidity	N.T.U.	TNTIRDX								
A st		le Description Give SANK			Salit		Split :	Sample		
Proun wel	(Darse -	tint Shr			- Shure	<u>Sarth</u>				
trace gra					Name	•	$\mathbf{X}$			
·					Agen	cy/Co	mpany:			
				· · · · · · · · · · · · · · · · · · ·	Addr	ess:				
							$\sim$			
								$\boldsymbol{\lambda}$		
Soil sample description sh	ould include:				QA/Q	)C Pr meter	ovided: MS/MSD - Duplicate - s: Same as Above - As	Trip Blan Listed	k Field Blanks	
Munsell Color Odor	Staining Textur	e Sorting Plasticity Mo	oisture							
Water sample description	should include:									
Color Odor Sheen	u Turbidity									
Logged By:	1 (cor)	(Please Prin	t)			Rev	viewed by: Jeff B			(Please Priz
Signature:	1/m					S	ignature: Jame	Fech	Date: 0	4-02-0

Location ID: <u>LL3E6</u> Date: <u>3/28/08</u>	36 <i>A-S</i>	3-081SN-0	Field	Sampling	Report ?	RVAAP LL 2, 3, and	d 4 Sub-Si	lab Sample, Ravenna	a, OH
Date: <u>3/28/08</u>									
•			Sam	pling Inform	nation	·····			. —
Source	Grou	ndwater / Product		Surface W	ater	Soils	/ Sedimer	nts / Sludge	
Method	Bailer		Sanol	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl	1.13	Hand Auger	
						Push Probe		Plastic Liner	2
Type/Construction						Mattocks		JEM	V
Miscellaneous	Well Purgi	ing Form			$\sim$				
Sample Collection: $\frac{1830}{1000}$ hr	Yes - No	Sample Type: Co	mposite	- MI - Gral	) & igradas	Location:	Plotted o	n Map Staked in Fiel	2
	' (below surfac		ML # of	increments take Each Day - E	en:*		Estimat	n Map Staked in Fiel ed - Measured - Sur GPS	veyed /
	COLIGH SUITAL				<u> </u>	I		ameters	
Field Parameters (at time of sample)		Ana	lytical	Parameters					
PID / FID Readings:		VOC				Corrosivity	<u> </u>		
Background:		SVOC				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)				Ignitability		$\square$	
Water Devel	FT	Metals (Selected)							
		· · · · · · · · · · · · · · · · · · ·			~	QA Sa	mples		
Temperature	°	Perchlorate				dawaw	Yes / N	·	NA
Sp. Conductance:	uMHOs	PCBs				MS/MSD Duplicate ID		· · · · · · · · · · · · · · · · · · ·	NA
рН	units	Nitrate / Nitrite				Equipment Rinse ID	$\rightarrow$		NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Trip Blank ID		<u> </u>	NA
Redox Potential		Propellants $(A \cap V)$						<u> </u>	
Turbidity		TNT/ROX					t Sample		
Brown SAMP -	- 70- 10/2	le Description			Split Samp	spi he ID:	i Sampie		
						$\overline{\mathbf{X}}$			
					Agency/Co	mpany:			
			<u> </u>		- Address:	$\sim$			
	4						$\overline{\ }$		ilisi o in Solope o C
Soil sample description should	include:					ovided: MS/MSD · Duplicate	- Trip Blan	s Field Blanks	
Munsell Color Odor Sta		e Sorting Plasticity Mo	oisture		Parameter	s: Same as Above - A	s Listed	X	
Water sample description shou								X	
Color Odor Sheen Tu									
	•								
Logged By:Ben	Geory	(Please Prir	t)		Re	viewed by: <u>Jeff Be</u>	rh		Please Print)
	-Ala	(1 icase f 111				signature: July 7	z.	Date:	-08
Signature:	<u>v J Y</u>							· · · · · · · · · · · · · · · · · · ·	

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Sampling Information         Source       Groundwater / Product       Surface Water       Soils / Sediments / Sludge         Method       Bailer       Sample Bottle       Scoop       Trowel         Bump       Bacon Boub       Bowl       Hand Auger       Hand Auger         Type/Construction       Well Purging Form       Mattocks       DMC       U         Miscellaneous       Well Purging Form       Sample Type: Composite - MI - Grab       Location:       Plotted on Map Staked in Field Estimated - Measured - Surveyed	Source     Groundwater / Product     Surface Water     Solis / Sediments /       Method     Bailer     Sahole Bottle     Scoop     1       Nump     Bacon Bottle     Scoop     1       Type/Construction     Bacon Bottle     Bowl     1       Type/Construction     Push Probe     Mattocka     N       Sample Collection:     I/OD     hrs     Sample Type Composite - MI     I/OD       Sample Collection:     I/OD     hrs     Sample Type Composite - MI     Corrosivity       Sample Collection:     I/OD     hrs     Sample Type Composite - MI     Corrosivity       Sample Collection:     I/OD     Decom Deficiently Taken Day CECh Location     Location:     Flotted on M       Sample Readings:     pro     OC     Corrosivity     Estimated       Background:     pro     Soloc     I     Corrosivity     I       Sample:     MD     pre     Meths (Selected)     I     Ignitability     I       Sample:     Motoka     PCBs     I     Ms/MSD     Yes / No       PH     osh     Nitrat / Nitrite     I     Duplicate ID     I       Pheown Samo Propellatis     Propellatis     Propellatis     Trip Blank ID     I       Sample Description     Sample Description <th>) Sample, Ravenna, OF</th>	) Sample, Ravenna, OF
Source     Groundwater / Product     Statics Water     Souls / Sediments / Statige       Mathod     Pailer     Subple Borle     Scoop     Towel     Hand Auger       Mathod     Pailer     Sample Borle     Scoop     Pailer     Pailer     Pailer       Type/Construction     Weit Persping Form     Pailer     Manukas     MAIL     Manukas     MAIL       Sample Cohection     [F00] hos     Sample Type Construction     Bowl     Hand Auger     Pailer       Sample Cohection     [F00] hos     Sample Type Construction     Manukas     Jone     Jone       Sample Cohection     [F00] hos     Sample Type Construction     Decomposition (Construction)     Location:     Platter Construction       Sample Cohection:     [F00] hos     Sample Type Construction     Decomposition (Construction)     Location:     Platter Construction       Sample Cohection:     [F01] FB Radiuge:     Incontinue     Correctivity     Location:     Platter Construction       Sample:     PT     Manufact Salection:     Platter Construction     Receive Construction     Platter Construction       Sample:     PT     Pail (Salection)     Platter Construction     Receive Construction     Platter Construction       Sample:     Pail (Salection)     Pailetiii (Salection)     Platter Construction	Source     Groundwater / Product     Surface Water     Solis / Sediments /       Method     Bailer     Sahoje Bottle     Scoop     1       Nathod     Bailer     Sahoje Bottle     Scoop     1       Supper Construction     Bacon Bogb     Bowl     F       Type/Construction     Well Purging Form     Mattocks     N       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Collection:     [700 hrs     Sample Type Composite - MI     Control       Sample Depth:     .0     Control     Control     Control       Sample Depth:     .0     .0     Control     Control       Sample     .0     .0 <th></th>	
Method     Inalier     Subject Boate     Scoop     Towel       Puter     Bacco Dopin     Dowi     Hand Auger       Prof Construction     Well Purpting Form     National     Matcods     DMC       Sample Colliction:     1200 hrs     Sample Type Composite - MI - Cirp     Loosation:     Pate Problemate       Sample Colliction:     1200 hrs     Sample Type Composite - MI - Cirp     Loosation:     Protection Market Entry       Sample Dapth:	Method     Bailer     Sample Bottle     Scoop     1       Type/Construction     Baicon Borgb     Bowl     F       Type/Construction     Mattocks     N       Miscellaneous     Well Purging Form Yes - No     Mattocks     N       Sample Collection:     1000 hrs     Sample Type: Composite - MI - Crass     Location:     Potted on M       Sample Depth: 0     FT (below surface)     Decon: petiticatery Each Day Cach Location.     Corrosivity       Background:     1000     Svoc     Reactivity Sulfide/Cyanide       Sample:     ND     1000     Svoc     Reactivity Sulfide/Cyanide       Sp. Conductance:     ubtilts     PCB     Mitrate / Nitrite     Duplicate ID       PH     ubtilts     Propellants     Intrate / Nitrite     Duplicate ID       Dissolved Oxygen     Ng.1.     The DRO / HRO     Equipment Rinse ID       Redox Potential     nv     Propellants     Intribity     Split Sample	/ Sludge
Renn     Bacel Renn       Type/Construction     Weil Purping Form       Micellansens     Weil Purping Form       Sample Collection     1000 hrs       Sample Type: Organization     1000 hrs       Sample:     ND       Mater Level     71       Type Conductance:     0000 hrs       Sample:     ND       Mater Level     71       Tombories     1000 hrs       Spito Sample     1000 hrs       Spito Sample     1000 hrs       Spito Sample     1000 hrs       Sample:     ND       Mater Level     71       Tombories     1000 hrs       Spito Sample     100 hrs       Spito Sample     100 hrs       Spot Sample     100 hrs       <	Sump     Bacon Bogb     Bowl     I       Type/Construction     Push Probe     Push Probe </td <td>Trowel</td>	Trowel
Type/Construction     Well Purgling Form       Mascellameons     Well Purgling Form       Sample Collection:     Prote of Max State in Foody       Sample Collection:     Prote of Max State in Foody       Sample Depth:     Of FT (below surface)       Decon     Decon       PED / PTO Readings:     Readcount:       Redground:     Pro       Sample Depth:     Other Parameters       Analytical Parameters     Other Parameters       Analytical Parameters     Other Parameters       Mate Level     Pro       Sample     No       Sample Collection:     Proteo on Max State in Foody       Sample Collection:     Proteo on Max State in Foody       Sample Collection:     Proteo on Max State in Foody       Sample:     NOC       Supple:     No       Sample:     NO       Provide Schedol     Ipitability       Temperature     T       Proceincate     QA Samples       Spit Sample Decription     Spit Sample       Social sample description should include:       Americation:     Provide State Parameters       Social sample description should include:       Color Oder State in Foody       Mate scale     Color Oder State in Foody       Social sample description should include:	Type/Construction       Push Probe       Push P	Hand Auger
Type: Conductance       Well Purging Form       Yell Purging Form       Yell Purging Form         Sample Collection:       1200, ho       Sumple Type: Comprosite - MI       Collection:       Location:       Percent on Map Statutor in Fold Estimated - Measured - Measu	Type://onstruction       Well Purging Form       Vell Purging Form       Location:       Potted on M         Sample Collection:       1700 hrs       Sample Type: Composite - MI - Crather Mindle of increments taken:       Location:       Plotted on M         Sample Depth:       0.4       FT (below surface)       Decon:       peticates       Each Day 'Each Location.       Other Parameters         (at time of sample)       VOC       Analytical Parameters       Other Parameters         PID / FTD Readings:       Background:       pm       SVOC       Reactivity Sulfide/Cyanide         Sample:       VOC       Reactivity Sulfide/Cyanide       Ignitability         Water Level       FT       Metals (Scleeted)       Ignitability         PH       unio       Nitrate / Nitrite       Duplicate ID         pH       unio       Nitrate / Nitrite       Duplicate ID         Pisolved Oxygen       Ms /L       TWT/R/N       Trip Blank ID         Redox Potential       mV       Propellants       Trip Blank ID         Mane:       Split Sample Description       Split Sample Smile Smile	Plastic Liner
Type: Conductance       Well Purging Form       Yell Purging Form       Yell Purging Form         Sample Collection:       1200, ho       Sumple Type: Comprosite - MI       Collection:       Location:       Percent on Map Statutor in Fold Estimated - Measured - Measu	Type: construction       Well Purging Form       Location:       Potted on M         Sample Collection:       1700 hrs       Sample Type: Composite - MI - Grad ItMI, # of increments taken:       Location:       Plotted on M         Sample Depth:       0.4       FT (below surface)       Decon:       peticates       Each Location.       Corrosivity         Field Parameters (at time of sample)       Analytical Parameters       Other Parameters         PD / FTD Readings:       0.0       Corrosivity       Reactivity Sulfide/Cyanide         Background:       pm       SvOC       Reactivity Sulfide/Cyanide         Sample:       0.0       pm       Explosives (Selbeted)       Ignitability         Water Level       r7       Metals (Selected)       Ignitability       Voc         PH       unito       Nitrate / Nitrite       Duplicate ID       Duplicate ID         pH       unito       Nitrate / Nitrite       Trip Blank ID       Trip Blank ID         Name:       Sample Description       Split Sample Discription       Split Sample Discription	JMC L
Sample Callection:       1700. hs       Sample Type: Composite - MI - Grad. LIM, # of incremental like       Location:       Peter Long       Location:       Peter Long         Sample Depth:       0.1       FT (balow surface)       Decem:       Peter Long       Location:       Peter Long       Entremental like         Field Parameters (at time of sample)       0.0       Decem:       Peter Long       Correction:       Peter Long	Sample Collection:       1700 hrs       Sample Type: Composite - MI - Crash If MI, # of increments taken:       Location:       Plotted on M Estimated         Sample Depth:       0       FT (below surface)       Decon:       Periodicatery       Each Day - Each Location:       Corrosivity         Field Parameters (at time of sample)       VOC       Corrosivity       Reactivity Sulfide/Cyanide         Background:       pm       VOC       Corrosivity       Reactivity Sulfide/Cyanide         Sample:       Dem       Explosives (Selected)       Ignitability       Ignitability         Water Level       FT       Metals (Selected)       MS/MSD       Yes / No         pH       uals       Nitrate / Nitrite       Duplicate ID       Equipment Rinse ID         Dissolved Oxygen       Mg/L       TPH DRO / HRO       Equipment Rinse ID       Trip Blank ID         Metors Sample Description       Sample Description       Split Sample ID:       Name:	
Field Parameters (at time of sample)     Other Parameters       PTD / FD Readings: Background:     upon       Sample:     ND       Sample:     ND       Sample:     ND       VOC     Ignitability       Sample:     ND       VOC     Ignitability       Water Level     er       Metals (Selected)     Ignitability       Perchlorate     OA Samples       Sp. Conductance:     wattor       PCBs     MS/MSD       Yes / No     NA       PIH     use       Nitrate / Nitrite     Duplecate ID       NA     Redox Potential       exponentiation     Propellants       Manuel Color Oder Stating Texture Sorting Plasticity Moisture       Water sample description should include:       Color Oder Stating Texture Sorting Plasticity Moisture       Water sample description should include:       Color Oder Stating Texture Sorting Plasticity Moisture       Water sample description should include:       Color Oder Stating Texture Sorting Plasticity Moisture       Water sample description should include:       Color Oder Stating Texture Sorting Plasticity Moisture       Water sample description should include:       Color Oder Stating Texture Sorting Plasticity Moisture       Water sample description should include:       Co	Field Parameters (at time of sample)       Analytical Parameters       Other Parameters         PID / FID Readings: Background:       ppm       VOC       Corrosivity         Background:       ppm       VOC       Reactivity Sulfide/Cyanide         Sample:       ND       pem       Explosives (Selected)       Ignitability         Water Level       FT       Metals (Selected)       Ignitability       QA Samp         Sp. Conductance:       uMHOs       PCBs       MS/MSD       Yes / No         pH       udits       Nitrate / Nitrite       Duplicate ID       Image: Construction of the properties of the properise of the properties of the properties of the properise of the p	- Measured - Surveyed
PID / FID Readings:       POC       Corrosivity         Background:       PP       SVOC       Reactivity Sulfide/Cyanide         Sample:       ND       PP       Reactivity Sulfide/Cyanide         Water Level       PT       Metals (Selected)       Ignitibility         Water Level       PT       Metals (Selected)       Ignitibility         Prometatore       v       Perchlorate       MS/MSD       Yes / No         pII       usize       Nitrate / Nitrite       Daplicate ID       NA         Pisolved Oxygen       Mg / H       Popellants       Implement Rines ID       NA         Redor Potential       mV       Propellants       Implement Rines ID       NA         Soil scample description should include:       Manuel Color       Gas Staining Texture Sorting Plusticity Moisture       Split Sample ID:       Name         Macuel Color       Odor Staining Texture Sorting Plusticity Moisture       Madress:       Address:       Address:         Lagged By:       Texton Origon       (Plcase Print)       Reviewed by:       Loff PoerA       price         Lagged By:       Texton Origon       (Plcase Print)       Reviewed by:       Loff PoerA       price	PID / FID Readings:       PPON       VOC       Corrosivity         Background:       Ppon       SVOC       Reactivity Sulfide/Cyanide         Sample:       ND       Ppm       Explosives (Sebected)       Ignitability         Water Level       FT       Metals (Selected)       Ignitability         Temperature       °C       Perchlorate       QA Samp         Sp. Conductance:       uMIO       PCBs       MS/MSD       Yes / No         pH       umbs       Nitrate / Nitrite       Duplicate ID       Equipment Rinse ID         Dissolved Oxygen       Ms / L       TPH DRO / HRO       Equipment Rinse ID       Trip Blank ID         Lurbidity       N:TU       TWT/R DX       Image: Split Sample       Split Sample         Brown Sqmp       Sample Description       Split Sample       Split Sample	neters
Background:       pros       SVOC       Reactivity Sulfide/Cyande         Sample:       A.D. ora       Explosives (Selbated)       Ignitability         Water Level       rt       Metals (Selector)       Ignitability         Temperature       C       Perchlorate       QA Samples         Sp. Conductance:       watch (Selector)       NA       Na         pH       mail       Nitrate / Nitrite       Dissolved Oxygen       Ms/rt       TPH DRO / HRO         Bedox Potendial       avia       Nitrate / Nitrite       Dissolved Oxygen       Ms/rt       NA         Bedox Potendial       avia       Nitrate / Nitrite       Dissolved Oxygen       Ms/rt       NA         Bedox Potendial       avia       Name       Split Sample       Split Sample       Split Sample         Soil sample description should include:       Manuel Color Odor Staining Texture Sorting Plasticity Moisture       OA/OC Provided MSMST- Daplace - Tup Black - Tup Black - As Isteel         Water sample description should include:       Color Odor Staining Texture Sorting Plasticity Moisture       Reviewed by:	Background:       ppn       SVOC       Image: Construction of the section of the s	
Sample:       VD       vm       Explosives (Selected)       Ignitability         Water Level       rr       Metals (Selected)       QA Samples         Temperature       v       Perchlorate       QA Samples         Sp. Conductance:       wattrix       PCBs       MS/MSD       Yes / No       NA         pH       wats       Nitrate / Nitrite       Deplicate ID       NA         Dissolved Oxygen       Mg/r.1       TPH DRO / IRO       Equipment Rinse ID       NA         Redox Putential       nv       Propellants       Trip Blank ID       NA         Sample Description       Sample Description       Split Sample District / Nitrite       Namee:         Mansell Color       Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MSMSD: Deplease - Top Blacks       Parameters: Same & Above - As Listed         Water sample description should include:       Color Odor Staining Texture Sorting Plasticity Moisture       Reviewed by:	Sample:       ΛΩ       PPm       Explosives (Selected)       Ignitability         Water Level       FT       Metals (Selected)       Ignitability         Temperature       °C       Perchlorate       QA Samp         Sp. Conductance:       uMHOr       PCBs       MS/MSD       Yes / No         pH       units       Nitrate / Nitrite       Duplicate ID       Image: Comparison of the second sec	
Water Level       PT       Metals (Selected)       QA Samples         Sp. Conductance:       whittop       PCBs       MS/MSD       Ys / No       NA         pH       whittop       PCBs       MS/MSD       Ys / No       NA         pI       whittop       Nitrate / Nitrite       Deplicate ID       NA         Dissolved Oxygen       Ms/1       TPH DRO / HRO       Equipment Rinse ID       NA         Redox Potential       av       Propellants       Trip Blank ID       NA         Turbidity       N.T.II       TWT/KDX       Split Sample       Split Sample         Brown SAND       Sample Description       Split Sample D:       Name         Soil sample description should include:       Maxeel Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MS/MSD - Deplace - Try Blanks       Parameters:         Water sample description should include:       Color Odor Staining Texture Sorting Plasticity Moisture       Reviewed by:       Loft Poer A       Iff Poer A       preserver         Logged By:       Texture Sorting       (Please Print)       Reviewed by:       Liff Poer A       preserver         Disc. V. J. Start       Out of the poer A       preserver       Description       preserver         Dist. V. J. Start       Description	Water Level       FT       Metals (Selected)       QA Samp         Temperature       °C       Perchlorate       QA Samp         Sp. Conductance:       uMH0x       PCBs       MS/MSD       Yes / No         pH       units       Nitrate / Nitrite       Duplicate ID       Equipment Rinse ID         Dissolved Oxygen       Ms / L       TPH DRO / HRO       Image: Compare	
Seconductance:       addites       PCBs       MS/MSD       Yes / No       NA         pH       uos       Nitrate / Nitrite       Duplicate ID       NA         Dissolved Oxygen       Ms/rt.       TPH DRO / HRO       Equipment Rinse ID       NA         Redox Potential       nV       Propellants       Trip Blank ID       NA         Turbidity       NTU.       TWT/RDK       Image: Split Sample       Split Sample         Soil sample description should include:       Manage: Split Sample       Split Sample       Split Sample         Soil sample description should include:       OAQC Provided: MSABD: Duplice: Top Blank - Pal Blanks       Parameters: Same as Above - As Listed         Water sample description should include:       Color Odor Steen Turbidity       (Please Print)       Reviewed by:	Temperature       Mathematical and the second	
Sp. Conductance:       south       PCBs       normalize         pH       unia       Nitrate / Nitrite       Duplicate ID       NA         Dissolved Oxygen       Mg/L       TPH DRO / HRO       Equipment Rinse ID       NA         Redox Potential       mv       Propellants       Trip Blank ID       NA         Turbidity       N.T.U       TWT/KQX       Split Sample       Split Sample         Soil sample description should include:       Manne:       Agency/Company:       Address:         Soil sample description should include:       Munsell Color Odor Staining Texture Sorting Plasticity Moisture       OA/OC Provideb MSMSD. Duples. Top Blank : All Blans         Water sample description should include:       Color Odor Sheen Turbidity       Reviewed by:	Sp. Conductance:       Month PCBS       Duplicate ID         pH       units       Nitrate / Nitrite       Duplicate ID         Dissolved Oxygen       Mg / L       TPH DRO / HRO       Equipment Rinse ID         Redox Potential       mV       Propellants       Trip Blank ID         Turbidity       N.T.U.       TWT/RDX       Image: Split Sample         Brown Sqno -TO 10/27/08       Split Sample ID:       Split Sample ID:	ples
pH     uss     Nitrate / Nitrite     Dissolved Oxygen     Ns / L.       Dissolved Oxygen     Ns / L.     THI DRO / HRO     Equipment Rinse ID     NA       Redox Potential     nV     Propellants     Trip Blank ID     Na       Turbidity     N.T.U.     TWT/KOK     Name:     Split Sample       Brown Squre     -TO 10127028     Split Sample D:     Name:       Soil sample description should include:     Name:     Agency/Company:       Munsell Color Odor Staining Texture Sorting Plasticity Moisture     OA/QC Provided: MSASD: Dopkees: Trip Blanks     The Blanks       Water sample description should include:     Color Odor Staining Texture Sorting Plasticity Moisture     Reviewed by:     J.tf. Berk     otten 4/2-2-00	pin     Miller Annue       Dissolved Oxygen     Mg/L     TPH DRO / HRO     Equipment Rinse ID       Redox Potential     mV     Propellants     Trip Blank ID       Turbidity     N.T.U.     TWT/RDX     Image: Split Sample       Brown Same     Sample Description     Split Sample ID:	NA
Dissolved Oxygen       Mg11       ITH DROT INCO       Ity opponent Rule 7.00         Redox Potential       mv       Propellants       Trip Blank ID       Mg1         Turbidity       N.T.U.       TWT/RAX       Name:       Split Sample         Sample Description       Split Sample ID:       Name:       Name:         Soil sample description should include:       Munsell Color Odor Staining Texture Sorting Plasticity Moisture       OA/QC Provided: MSMSD. Duples:       Trip Black ID         Water sample description should include:       Color Odor Sheen Turbidity       Reviewed by:       Jeff Baerk       Other Provided: Market Duple         Logged By:       The Market Duple       Reviewed by:       Jeff Baerk       Other Provided: Market Duple	Bissured Oxygen     Image: Constraint of the second s	NA
Redox Potential       mv       Propellants       Imp blank id         Turbidity       NTU.       TWT // K/K       V         Brown Sample Description       Split Sample Discription       Split Sample Discription         Brown Sample Description       Split Sample Discription       Split Sample Discription         Soil sample description should include:       Mansell Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MSMSD- Diplicase . The Planks - Flid Planks         Water sample description should include:       Color Odor Steen Turbidity       Reviewed by:	Brown Sample Description     Split Sample ID:       Brown Samo - To 10/22/08     Name:	NA
Turbidity       N.T.I.       TWT/KOX         Brown Sample Description       Split Sample ID:         Name:       Agency/Company:         Agency/Company:       Address:         Soil sample description should include:       QA/QC Provided: MSANSD - Duplicae - Trip Blacks - Pad Blacks         Munsell Color Odor Staining Texture Sorting Plasticity Moisture       QA/QC Provided: MSANSD - Duplicae - Trip Blacks - Pad Blacks         Water sample description should include:       Color Odor Sheen Turbidity         Logged By:       Tom Orage (Please Print)         Reviewed by:       Jeff Berh         Open With Streamer       Pate: 4-2-05	Sample Description     Split Sample ID:       Brown Sqno     TO 10(22/08         Name:	NA
Brown Squo	βrown Sqno         To 10[22]08         Split Sample ID:           Name:	
Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       Tom Orange         (Please Print)         Reviewed by:       Jeff Berh         Signature       Signature         Water sample description should include:       Date:         Under State       Parameters:         Same as Above - As Listed       Parameters:         Date:       H-2-00		
Address:         Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       Town Occur?         (Please Print)         Reviewed by:       Jeff Berh         Oplage Print		
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity Logged By:	Agency/Company:	
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       Tom Orage 1         (Please Print)         Reviewed by:       Jeff Berh         Optimizer       Please Print)         Signature       Date:         H-2-05	Address	
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       Tom Orage 1         (Please Print)         Reviewed by:       Jeff Berh         Optimizer       Please Print)         Signature       Date:         H-2-05		
Color Odor Sheen Turbidity Logged By: (Please Print) Reviewed by: Jeff Berh Flease Pr Signature: VI Date: 4-2-05	Munsell Color Odor Staining Texture Sorting Plasticity Moisture	Fiber Blanks
Logged By: <u>Joff Berh</u> (Please Print) Reviewed by: <u>Joff Berh</u> (Please Print) Signature: <u>Visiter</u> Date: <u>4-2-05</u>		
Logged By: Deb Orchitz (Please Print) Robotics () Republic de la construcción ()	Color Odor Sheen Turbidity	
Date: 4-2-0*	Logged By: Tom Orag 1 (Please Print) Reviewed by: Jeff Berh	(Please P
	DA. H.	Date:

Location ID: LU3E Date: 3/28/08	B6A-9	B-0835	N −600	d Sampling I ( · SO ys (or	<b>Report</b> १२/५७		RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Rave	nna, OH
Date: 3/28/08				mpling Inforn						
~		1		Surface W	Sheeper a		Soils /	Sedimer	nts / Sludge	
Source		dwater / Produ		ple Bottle	anci		Scoop		Trowel	
Method	Bailer		1997	$\sim$	이 지않는 것 같은 것 같아?		Bowl		Hand Auger	
	Pump		Bac	on Bomb	가는 가슴 다 도 가운 것			107/00		
	$\perp $			N						
Type/Construction					$\overline{\mathbf{X}}$		Mattocks		Sonc	4
Miscellaneous	Well Purgin Yes - No	ng Form	- Control of the second s			X				
Sample Collection: $\frac{190}{5-3}$	hrs refuselQ3 FT (below surface	i Sample T ) Decc	n: Dedicated	e - MI - Graf of increments take Each Day Ez I Parameters	en:	È	1	Estimat	m Map - Ctaked in I ed - Measured 5 f 5 rameters	Surveye
Field Parameters (at time of sample)		$\searrow$							1	
PID / FID Readings:		voc					Corrosivity			_+
Background:	$V D^{ppm}$	svoc	$\searrow$				Reactivity Sulfide/Cya	nide		
Sample:	aidd	Explosives (S	elected)				Ignitability			_
Water Level	FT	Metals (Select	red)							
Temperature	'nc	Perchlorate						QA Sa	mples	
Sp. Conductance:	uMHOs	PCBs			X		MS/MSD	Yes / I	No	NA
рН	units	Nitrate / Nitri	te			·	Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / H	IRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants					Trip Blank ID			NA.
Turbidity	N.T.U.	TNT/R	DX							Nu area 1
Brown SAA	Samp	le Description 10(27/08			Spli	it Samp		Sample		
					- Nav	ne:				
					Age	ency/Co	траву:			
					_ Ado	dress:	$\overline{\boldsymbol{X}}$			
							$\mathbf{X}$			
Soil sample description sho Munsell Color Odor	Staining Textur	e Sorting Plas	ticity Moisture		QA Par	/QC Pr rameter	ovided: MS/MSD - Duplicate s: Same as Above As	Trip Blan Listed	iks - Field Blanks	
Water sample description s								$\mathbf{\lambda}$		
Color Odor Sheen	Turbidity									
Logged By:	n 6gory	4(P	ease Print)				viewed by: Jeff 73 Signature: Jaffan F	berk EX	Date:	(Picase ->O 1
	<u>F</u>					(	DC - JE 10	27/0	B	

Location ID: LL3E Date: 3/28/08					ling Infor			<u></u>			
			532	<u>əamh</u>	Surface V	300 FA 193		Soils	/ Sedimen	ts / Sludge	
Source	Bailer	ndwater / Product		ample		TAUCI		Scoop	· · ·	Trowel	
Method				Bacon P				Bowl		Hand Auger	_
	Pump				<u></u>				12/10	Plastic Liner	
·	$\rightarrow$	$\searrow$			$\rightarrow$			Mattocks		SMC	
Type/Construction							N		,	Sinc	
Miscellaneous	Well Purgi Yes - No										$\rightarrow$
Sample Collection: 1925 Sample Depth: 0-3.5	hrs Chrsd C 3.5 FT (below surfac	<ul> <li>Sample Type</li> <li>Decon:</li> </ul>	If M	∟# of i	MI - Gra ncrements tak Each Day - E	en:	ation	Location:	Estimate	n Map - Staked in F ad - Measured - 5 PS	Sarveyed
Field Parameters (at time of sample)			Analyt	ical P	arameters			01	her Para	ameters	
PID / FID Readings:		NOC				_		Corrosivity			
Background:	JD ppm	svod						Reactivity Sulfide/Cy	anide		
Sample:	ррт	Explosives (Sele	cted)					Ignitability			
Water Devel	FT	Metals (Selected									
Temperature	°C	Perchlorate	- 1	$\triangleleft$			6		QA Sar	nples	
	uMHOs	PCBs			$\overline{}$			MS/MSD	Yes / N	0	NA
Sp. Conductance:	units	Nitrate / Nitrite				$\neg$		Duplicate ID	/		NA
Dissolved Oxygen	Mg/L	TPH DRO / HR			,,		$\overline{}$	Equipment Rinse ID			NA
Redox Potential		Propellants				_	$\overline{}$	Trip Blank ID			NA
Turbidity	N.T.U.	TNT/RU	0X								-
_	Samp						$\boldsymbol{\lambda}$		Sample		
BROWNSANI	<u>s Tai</u>	le Description 0127/08					Split Samp	le ID:			
							Name:	$\lambda$			
							Agency/Co	mpanya			
-							Address:				
s											
Soil sample description sho							QA/QC Pr Parameter	ovided: MS/MSD - Duplicate s: Same as Above - A	- Crip Blank s Listed	s - Field Blanks	
Munsell Color Odor	Staining Textur	e Sorting Plastic	ity Moist	ure					X		
Water sample description s											
Color Odor Sheen	Turbidity					A second					
Logged By: <u>78</u>	1 Ocas	Plea	se Print)				Rev	viewed by: <u>Jeff 1</u> ignature: <del>Jeffy I</del> IC - JS l <sup>(0</sup> /2	<u>z (</u>		Please Prin

Location ID:32 Date:3/28/08	EB64-SE	3-0855	<b>∕∕</b> - d	Field	Sampling	<b>, Report</b> .व		RVAAP LL 2, 3, and	4 Sub-S	ab Sample, Rave	enna, OH
Dat					pling Infor						
Source	Groun	dwater / Produ	et \		Surface	de Marchae		Soils	/ Sedimer	nts / Sludge	
Method	Bailer			Sampl	e Bottle			Scoop		Trowel	
	Pump			Bacon	Boqib			Bowl		Hand Auger	
					$\overline{}$			Push Probe	-djnlût		-
Type/Construction						X		Mattocks		JMC	V
Miscellaneous	Well Porgi	ng Form				$\overline{\mathbf{X}}$					
Sample Collection: <u>1940</u> Sample Depth: <u>0–3</u>	Yes - No hrs refused FT (below surface	Sample T c) Deco	If I	ML#of	- MI - G fincrements tal Each Day - d	ken:		II	Estimate	n Map Staked in ed - Measured	Field Surveyed AT To /2 7/
Field Parameters (at time of sample)			Analy	ytical	Parameters	5		Ot	her Par	ameters	
PID / FID Readings:		VOC						Corrosivity			
Background:	v <i>D</i> ppm	skoc			<u> </u>			Reactivity Sulfide/Cya	mide		
Sample:	ppm	Explosives (Se	elected)			<u></u>		Ignitability		$\square$	
Water Level	FT	Metals (Select									
Temperature	°C	Perchlorate	~	$\overline{\mathbf{x}}$					QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / N	lo	NA
pH	units	Nitrate / Nitrit	te .		$\mid$			Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / H	RÖ		-			Equipment Rinse ID			NA
Redox Potential	mV	Propellants						Trip Blank ID			MA
Turbidity	N.T.U.	TNTI	RDX.					2			`
<u>βαυα</u> 54	Sampl	e Description  0 27  کر				Age			Sample		
Note: Drove S 6". Rec Soil sample description show Munsell Color Odor	Staining Texture				rd over 2 0-36	, "	/OC Pr	ovided: MS/MSD - Duplicate s: Same as Above - As	Trip Blank Listed	s - Field Blanks	
Water sample description s						A construction of the second s					
Color Odor Sheen	1 urdidily					NATURA A Solution Control of the second s					$\boldsymbol{Z}$
Logged By:Z	Buyberry	(Pie	ease Print)	)				viewed by:Jeft ignature:ji//J	3erh Par	Date:	(Please Prin -2-08
								0C- Ys	10/2	n/ob	
					. ·						

E Location ID: <u>663</u> Date: <u>3(28</u> /08		· · · · · · · · · · · ·	Sam	pling Inform	nation			,	
	Graw	1dwater / Product 🔪		Surface W		Soils	/ Sedimen	nts / Sludge	
Source Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
Mullou	Pump		Bacon	Bomb		Bowl	14 in	Hand Auger	
				$\overline{\mathbf{X}}$		Push Probe	0/21/00	Plastic Liner	
Type/Construction	$\rightarrow$	$\overline{}$		$\overline{}$		Mattocks	<u> </u>	JMC	
Miscellaneous	Well Purgi	ng Form							
104	Yes - No			<b>w</b> 63	$\sim$	Location:	Plotted o	n Map - Staked in Ei	
Sample Collection: 195		Sample Type: Co If	MI, # of	f increments take Each Day - Ca	n:		Estimate	n Map - Staked in Fin ed - Measured St	urveyed TPS
Sample Depth: <u>0-1</u>	FT (below surfac					I	her Par		
Field Parameters (at time of sample)		Ana	lytical	Parameters					
PID / FID Readings:		VOC				Corrosivity			
Background:	/) <sup>ppm</sup>	svoc				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)				Ignitability			
Water,Level	FT	Metals (Selected)	$\land$			· ·			
Temperature	Ϋ́	Perchlorate	-	$\overline{\mathbf{X}}$			QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs		$\vdash$		MS/MSD	Yes / N	lo	NA
pH	units	Nitrate / Nitrite	-			Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID		•··	NA
Turhidity	N.T.U.	TWTIRDX	U						
Brown MO Scitte-SA	Samp NO C	le Description & Oc C. f & Coc Sna) j / co	noe -	fire	Split Samp	le ID:	t Sample		
	-				Agency/Co	mpany:			
					- Address:				
							X		
Soil sample description sho	ould include:				OA/QC Pr	ovided: MS/MSD - Duplicate	- Trip Blank	- Field Bianks	
	Soit sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture					s: Same as Above - A	s Listed		
Water sample description should include:									
Color Odor Sheen	Turbidity		•				And a second sec		
Logged By:	6 tegy	(Please Prin	ıt)		Rev	viewed by: Jeff Be	erk .		(Piease Print)
Signature:	2/1				s	ignature: <u>Af-13</u> )( - JS ( (		Date: <u>4-2</u>	

Location ID: LL4G6	-55-03	55N -0001-50	Field	Sampling Re	port	RVAAP Sub-Slat	o Sample an	d Removal, Rave	enna, Ol
Date: 4/2/04									
			Sam	pling Informat	ion				
ource	Grout	ndwater / Product	>	Surface Wate		So	ils / Sedimer	ts / Sludge	
Method	Bailer		Sampl	e Bottle	$\overline{\Lambda}$	Scoop		Trowel	
	Punp		Васоп	Bomb		Bowl		Hand Auger	
						Push <b>P</b> robe	~	Plastic Liner	
Type/Construction		<u> </u>				Mattocks			
Mine Alexandra	Weil Purgi	ng Form							
Sample Collection: 0953 Sample Depth: 0-1 2 F	hrs	Sample Type: Cor	nposite	- MI - Grab f increments taken:	<u>.</u>	Locatio	n: Plotted o Estimate	n Map - Staked in ed - Measured -	Surveye
Sample Depth: $\underbrace{\delta - t - \mu}_{F}$	76 0000 T (below surfac	e) <b>Decon:</b> Ded	icated -	Each Day - Each	Location				ĊĊ
Field Parameters (at time of sample)		Anal	ytical	Parameters			Other Par	ameters	_
PID / FID Readings:		voc				Corrosivity			
Background:	О.Ј ррт	SVOC				Reactivity Sulfide/	Cyanide	11	
Sample:	ppm	Explosives (Selected)	~	TNT/RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	FT Metals (Selected) °C Perchlorate						QA Sa	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	10	NA
рн	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse II			NA
Redex Potential	m∨	Propellants				Trip Blank ID		<u></u>	NA
Turbidity	N.T.U.								
wet, prou	Samp	le Description <u> y CLAY w   gra</u>	avef		Split S	Sjample ID:	plit Sample		/
					Name:				
					Agency	//Company:			
					Addres			/	
							$\perp$		
Soil sample description shou	ıld include:				04/00	C Provided: MS/MSD - Duplic	ate - Trip Blan	rs - Field Blanks	
_		e Sorting Plasticity Mo	isture		Param	eters: Same as Above -	As Listed		
Water sample description sh									
Color Odor Sheen									
						1			
1/1	C. Lel	) (Please Prin	t)		7	Reviewed by: M.	lee She	P	(Picase )
Logged By: <u>XAv</u>	ier Soteli Salib	/ (riease Prin	9			Signature:	QL.	7 Date: 4-	<u>- 7-08</u>
Signature:	Sure.					- Aller	25 11		

Location ID:4G1 Date:4/2/08	9-55-	037 <u>SN-0001-s</u>	Field	Sampling Re	port		RVAAP Sub-Slab Sa	mple an	d Removal, Ravenna	, он
Date: 4/2/08										
			Sam	pling Informat	ion		<b></b>			
Source	Grou	ndwater / Product		Surface Water	r r	Д	Soils /	Sedimen	its / Sludge	
Method	Bailer		Sample	e Bottle	4		Scoop	_	Trowel	
	Pump		Bacon	Bomb			Bowl		Hand Auger	<u> </u>
							Push Probe	V	Plastic Liner	
Type/Construction				/			Mattocks		<u> </u>	
Miscellaneous	Well Purgi Yes - No	ng Form								·
Sample Collection: hrs Sample Depth() FT	h)Gocher (below surfac	Sample Type: Con If e) Decon: Dedi	MI. # of	- MI - Grab increments taken Each Day Each I	location		Location:	Plotted of Estimate	n Map - Staked in Field ed - Measured - Surv	reyed
Field Parameters (at time of sample)				Parameters			Oth	er Para	ameters	
PID / FID Readings:		VOC					Corrosivity			
Background: C	う.U <sub>ppm</sub>	SVOC					Reactivity Sulfide/Cyar	vide		
Sample:	ppm	Explosives (Selected)	1	TNT/RX			Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	"C	Perchlorate					(	)A San	nples	
Sp. Conductance:	uMHOs	PCBs	ļ					Yes / N	<u>۸</u>	NA
рН	units	Nitrate / Nitrite					Duplicate ID		N.	
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID		N.	
Redox Potential	mV	Propellants	<u> </u>				Trip Blank 1D		N.	A
Turbidiy	N.T.U.									
nsist,br	Sampl	e Description <u>YCLey wfgra</u>	ve L		Split !	Sampl	split S le ID:	ample		
					Name	:				
					Ageno	cy/Cor	npany:		/	
······································					Addro	ess:		/		
							/			
Soil sample description should a Munseil Color Odor Stai Water sample description shoul Color Odor Sheen Tur	ining Texture I <b>d include:</b>	e Sorting Plasticity Moi.	sture		QA/Q Paran	PC Proneters	ovided: MSO/ISD - Duplicate - :: Same as Above - As I	Trip Blanks .isted	- Field Blanks	
Logged By: <u>VACE</u> Signature: <u>V</u> (	Sofel.	(Please Print)					iewed by: <u>Mike</u> gnature: <u>Mchedd</u>	Shing M	Date: <u>4-2-0</u>	case Print)
						6	QC- JS 10/24	100		

Location ID: $LL4619$ Date: $4/2/08$	RA-55-0.	385N -0001-5	Field	Sampling Ro	eport	RVAAP Sub-Slab S2	imple an	d Removal, Rave	enna, OH
			Sam	pling Informa	tion				
Source /	Grou	ndwater / Product		Surface Wate		Soils /	Sedime	nts / Sludge	
Method	Bailer		Sampl	e Bottle	7	Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe	V	Plastic Liner	
Type/Construction		/				Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form							
Sample Collection: <u>()</u> 425 hr Sample Depth: <u>0 - 1 fr</u>			MI, # of	- MI - Grad increments taken: Each Day Each	Location	Location:	Plotted o Estimat	n Map - Staked in I ed - Measured -	Field Surveyed GrS
Field Parameters (at time of sample)			ytical	Parameters		Oth	ner Par	ameters	/
PID / FID Readings:		VOC				Corrosivity			
Background:	$C \cdot \dot{\mathcal{O}}^{ppm}$	SVOC				Reactivity Sulfide/Cya	nide	1	
Sample:	ppm	Explosives (Selected)	V	TNT ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	۴C	Perchlorate					QA Sai	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	10	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mν	Propellants				Trip Blank ID			NA
Turbidity	n.t.u.								
Moist, DIown	Samp S. Ct w/	e Description ctay and demo	L; +, 0	in debris	Split Samj		Sample	/	
					Name:				
					Agency/Co	ompany:			
					Address:		/	/	
							—		
						/			
Soil sample description should Munsell Color Odor Sta		a Socting Plasticity Moi	sture		QA/QC P Parameter	rovided: M5/MSD - Duplicate - rs: Same as Above - As	Trip Blank Listed	s - Field Blanks	
Water sample description shou		Sorting Trustieny mot							
Color Odor Sheen Tu						/			
Cotor Outor Differi 14									
Logged By: KAJier	Sotelo	(Please Print)	)		Re	viewed by: M. Ke	Sharl		(Please Print
	Sola				1	Signature: Alada	Cup'	Date: <u>4-</u>	2-08
	<u> </u>					DC - 18 10/2			

Location ID: $\frac{1}{4}$	- 55-0	395N-0001-50	Field	Sampling Ro	eport		RVAAP Sub-Slab Sa	mple an	d Removal, Rave	ana, OH	
Date: 4/2/04											
			Sam	pling Informa	tion						
Source /	Grour	1dwater / Product		Surface Wate	:r	_/	Soils /	Sedimer	ts / Sludge		
Mcthod	Bailer		Sampl	e Bottle		7	Scoop		Trowel		
	Pump		Bacon	Bomb			Bowl		Hand Auger		
							Push Probe	V	Plastic Liner		
Type/Construction							Mattocks				
Miscellaneous	Well Purgi Yes - No	ng Form		/							
Sample Collection: <u>1600</u> hr Arle Nor 2 Sample Depth: <u>0 - 1</u> FT	-		MI, # of	- MI - Grab increments taken: Each Day - Each	Locatio	3	Location:	Plotted o Estimate	n Map (Staked in ) ed - Measured - (	Sield Surveyed	
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	er Par	ameters		
PID / FID Readings:		VOC					Corrosivity	,			
Background:	O.J ppm	SVOC					Reactivity Sulfide/Cyan	iide			
Sample:	p¢în	Explosives (Selected)	$\checkmark$	TNT/RDX			Ignitability				
Water Level	FT	Metals (Selected)		1							
Temperature	r	Perchlorate					(	)A Sar	nples		
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Other Parameters U Other Parameters N Other Paramet			
рН	units	Nitrate / Nitrite					Duplicate ID			NA	
Dissolved Øxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID	Hand Auger Plastic Liner Plotted on Map Staked in Elector Estimated - Measured - Surveyed her Parameters anide QA Samples Yes / No NA NA NA NA NA NA NA NA NA	NA		
Redox Potential	mV	Propellants	ļ		<u> </u>		Trip Blank ID			NA	
Turbidity	N.T.U.										
moist, brou	Sampl	e Description			Split	t Samp	-	ample			
					Nam	ne:			/		
					Ager	ncy/Co	тралу:			. <u> </u>	
					Add	ress:					
							······································				
							/				
Soil sample description should	include:						wided: MS/MSD Duplicate - S: Same & Above - As I		s - Field Blanks		
Munsell Color Odor Sta	iining Texture	e Sorting Plasticity Mol	sture			anicter	, Game as Houve - As I				
Water sample description shou	ıld include:						/				
Color Odor Sheen Tu	urbidity					/-					
Logged By: XAUier	Sofela	(Please Print)	)			Rev	viewed by: M. K. S	how	)	(Please Print)	
Signature:		·				S	ignature: Malaly	hing	Date:	2-08	
	<u>,</u>						<i>ij</i>				
						0	1C- 18 10/24	100			

Location ID: $\frac{L + 3 EB2}{Pate:}$									
			Sam	pling Informat	tion	N			
Source /	Grou	ndwater / Product		Surface Wate	/	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Sample	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe	V	Plastic Liner	
Type/Construction		/		/		Mattocks			
Miscellaneous	Well Purgi Xes - No	ng Form							
Sample Collection: <u>1024</u> h HCO(HY Sample Depth: <u>0</u> - 1 FT	rs f (below surfac		MI, # of	- MI - Grab increments taken: Each Day - Each	Location	Location:	Plotted of Estimate	n Map - Staked in ed - Measured - (	Field Surveye
Field Parameters (at time of sample)		Anal	ytical l	Parameters		Ot	her Para	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	0-0 <sup>ppm</sup>	svoc				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)		TAT 1000		Ignitability			
Water Level	FT	Metals (Selected)	12	TNT /PDX	हैं 10 प्या गड				
Temperature		Perchlorate		1017.00			QA San	nples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N		NA
pH	units	Nitrate / Nitrite				Duplicate ID		/	NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	/		NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
moist, bra	Samp S. Cty cl	e Description ay w/ rock f	Fry g n	neatr	Split Sampl		Sample		_
					Name:			/	
					Agency/Cor	npany:			
					Address:			/	
							/		
Soil sample description should Munsell Color Odor Sta		e Sorting Plasticity Mo	isture		QA/QC Pro Parameters	wided: MS/MSD - Deplicate :: Same as Above - As	- Trip Blanks Listed	s - Field Blanks	
Water sample description sho	uld include:				l				
Color Odor Shee <b>n</b> Ti	urbidity					/			
Logged By: A vier	- Sotel Soluto	<i>𝔅</i> (Please Print	)		Rev	iewed by: <u>M, Ice</u>	Shop		(Please F
Signature:	Coto				Si	ignature: <u>Michiel</u>	ha	Date: <u>4</u>	-7-0

Location ID: <u>113 EB</u>	25-55-0	1775N-0001-	Field -รง	Sampling Re	eport	RVAAP LL 2, 3, an	d 4 Sub-S	lab Sample, Raver	ına, Ol
Date: 4/2/6 (									
			Sam	pling Informat	tion		-		
Source	/ Groui	idwater / Product /	1	Surface Wate		Soils	s / Sedimer	nts / Sludge	
Method	Bailer		Sample	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe	~	Plastic Liner	
Type/Construction	1 /		-			Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form							
Sample Collection: <u>1050</u> J/GOCA Sample Depth: 0 - 1			If MI. # of	- MI - Grab		Location:	Plotted o Estimat	n Map - Staked in F ed - Measured - S	urveye
Sample Depth: 2 - 1	FT (below surfac	e) <b>Decon:</b> De	edicated -	Each Day Each	Location				<u>615</u>
Field Parameters (at time of sample)		Ans	alytical l	Parameters		O1	ther Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	O.J ppm	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	V	TNT/ROX	12110 100	Ignitability			
Water Level	FT	Metals (Selected)	1	TATROL	\$ 10/24/08				
Temperature /	°c	Perchlorate		/			QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	10	NA
рн	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO		. <u> </u>		Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Aurbidity	N.T.U.								
Muist bro	Sampl win <u>5.64</u> 4	e Description clay w/ dec	no de	6113	Split Samp		t Sample		
					Name:				
					Agency/Co	mpany:		/	
					Address:		/		<u> </u>
	-					/	/		
Soil sample description shou					QA/QC Pro Parameters	ovided: MS/MSD - Duplicate s: Same as Above - A	- Trip Blank s Listed	s - Field Blanks	
Munsell Color Odor S		Sorting Plasticity M	oisture						
Water sample description sh									
Color Odor Sheen	ι <b>υΓ</b> ΟΙΔΙΙΥ								
Logged By:	r Sotelo	(Please Pri	nt)		Rev	riewed by: Mike -	Shan		(Please F
Signature:	Sata		·····,			ignature: Alide	Dely	2 Date: <u></u>	Z ~25
			<u> </u>	<u> </u>			<u></u>		
					0	i C - Js. 101	2100		

Location ID: <u>LL3 E B9</u>	1A-55 -	0765N-0001-5	Field	Sampling R	eport		RVAAP LL 2, 3, an	d 4 Sub-Sl	lab Sample, Ravenı	na, OH
Date: 4/2/0 4										
			San	npling Inform:	tion		,			
Source	Grou	ndwater / Product		Surface Wat	er	$\angle$	Soils	s / Sedimen	ts / Sludge	
Method	Bailer	X	Samp	le Bottle	$\boldsymbol{\mathcal{A}}$		Scoop		Trowel	
	Pump		Bacor	n Bomb			Bowl		Hand Auger	
							Push Probe	$\checkmark$	Plastic Liner	
Type/Construction							Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: 100 hr M 6044 Sample Depth - FT	s (below surfac	Sample Type: Cor If e) Decon: Ded	MI, # of	- MI - Grab f increments taken: Each Day Each	Location		Location:	Plotted or Estimate	n Map - Staked in Fie d - Measured - Su	in rveyed
Field Parameters (at time of sample)		Anal	ytical	Parameters			Ot	ther Para	ameters	, ,
PID / FID Readings:		VOC					Corrosivity			
Background: C	シ・ひ <sup>ppm</sup>	svoc					Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	V	TNT/POX			Ignitability			
Water Level	FT	Metals (Selected)	V	THITROX	A 10/2	1 <i>0</i> °C				
Temperature	er Level FT Metals (Selected)							QA Sam	ples	
Sp. Conductance	uMHOs	PCBs					M\$/MSD	Yes / No	, /	NA
рн	units	Nitrate / Nitrite					Duplicate ID		1	NA
Dissolved Oxygen	Mg/Ĺ	TPH DRO / HRO					Equipment Rinse ID		1	NA
Redox Potential	mV	Propellants					Trip Blank ID		1	NA
Turbidity	N.T.U.									
moist brown	Sampl Si Li y	e Description Clay with y	rqu	yeL	Split Sa	ample		Sample	/	
		· · · · · · · · · · · · · · · · · · ·			Name:					
					Agency	/Com	apany:			
					Addres	is:				
<u></u>							/			
Soil sample description should i					QA/QC Parame	Proveters:	vided: MS/MSD - Duplicate - Same as Above - As	Trip Blanks	<ul> <li>Field Blanks</li> </ul>	
Munsell Color Odor Stain		Sorting Plasticity Mois	ture							
Water sample description should						$\angle$	·			
Color Odor Sheen Turi	σιαπγ				$\left \right $					
Logged By: XAVier S	otelu	(Please Print)				Revie	ewed by: <u>M. K. S</u>	loop,	(PI	lcase Print)
Logged By: Xavier S Signature: Yei A	soll						mature: <u>Alechu</u>	US4	Date: <u>9-2-</u>	, CB
								102		
					(	リレ	- Jo 10/24	143		

Location ID: $\frac{1}{3}$	274-5	<u>- 073</u> 5~ -0	eu (~> /	1207AP		RVAAP LL 2, 3, an	nd 4 Sub-Sl	an Sample, Raven	na, OH
				apling Informa					
Source	Grou	ndwater / Product		Surface Wat	er /	Soil	ls / Sedimen	ts / Sludge	
Method	Bailer	/	Samp	le Bottle		Scoop		Trowel	
	Pump		Baco	1 Bomb		Bowl		Hand Auger	
				/		Push Probe	Mense	Plastic Liner	r
Type/Construction	/			/		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	/				JM	۷.	
Sample Collection: 1300 hrs 14 10 GW Sample Depth: 0-4 FT	f-	Sample Type: Co I :e) Decon: De	f MI, # o	- MI - Grab f increments taken: Each Day - Each	Location	Location	Plotted or Estimate	n Map - Staked in Fie d - Measured - Su	irveyed ک ص
Field Parameters (at time of sample)		Ana	lytical	Parameters		0	ther Para	umeters	,
PID / FID Readings:		voc				Corrosivity	/		Τ
Background: C	) - ひ <sup>- ppm</sup>	svoc				Reactivity Sulfide/Cy	vanide		
Sample:	/ ppm	Explosives (Selected)	V	TNT/ROX.		Ignitability			-
Water Level	FT	Metals (Selected)		1 1 1 2 2					
Temperature	r	Perchlorate					QA Sam	ples	
Sp. Conductance;	ance: UMHOs PCBs					MS/MSD	Yes / No	,	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Renox Potential	mΨ	Propellants .				Trip Blank ID		-	NA
Ťurbidity	N.T.U.								
		e Description 13ECWN CLAY	:5)-A 	<u>G isp 9 "</u>	Split Sample Name: Agency/Con Address:	e D:	Sample		
Soil sample description should in Munsell Color Odor Stain		Sorting Plasticity Mot	isture			vided: MS/MSD - Duplicate Same as Above - As		- Field Blanks	
Water sample description should									
Color Odor Sheen Turb	pidity					1			
Logged By: <u>XAVIE</u> Signature: <u>Xin</u>	s So tu SA	(Please Print	)			ewed by:	n lev furg	₩ <u></u> n Date: <u>0 ₩</u>	Please Print)
					Ũ	2C- J& 1012	1/08		

Location ID: <u>143 E B</u>	RIOVPI	<u></u>	<b>Field</b>	I Sampling R	eport		RVAAP LL 2, 3, an	ıd 4 Sub-S	ab Sample, Ravenna	a, OH
Date: 4/3/08	: 	 			,					
			Sai	npling Informa	tion					
Source /	Grou	indwater / Product		Surface Wat	er		Soil	s / Sedimen	ts / Sludge	
Method	Bailer		Sam	ole Bottle	$\bigwedge$		Scoop		Trowel	
	Pump		Baco	n Bomb			Bowl		Hand Auger	
				/			Push Probe	4	Plastic Liner	
Type/Construction		¢		/			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collectiou: $\frac{C(3)}{100}$ hrs sample Depth: $0 - 1$ FT	s (below surfac		If MI, # c	- MI - Grab f increments taken: - Each Day - Each	Location		Location		h Map Staked in Field d - Measured - Sur	
Field Parameters (at time of sample)		An	alytical	Parameters			0	ther Para	ameters	
PID / FID Readings:	フージ ppm	voc					Corrosivity			
Background:	∼∽ ppm	SVOC					Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected	) V	TNT/ROX	18		Ignitability	,		
Water Level	FT	Metals (Selected)	4	TOT/ROX-	10/21	196				
Temperature	ۍ ۲	Perchlorate						QA San	ıples	/
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite					Duplicate ID		N	A
Dissolved Oxygen	Mg/L	TPH DRO / HRO	_				Equipment Rinse ID		N	A
Redox Potential	٧m	Propellants					Trip Blank ID		N	A
Turbidity	N.T.U.							1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
dry tan sicty depris	Sampl داهع له	e Description <i>f grase t</i> dial.	d con	stradion	Split Sa	mple		Sample	-	
					Name:				/	
					Agency/		ipany:			
······					Address			/		
Soil sample description should it	nclude:				0.1/00	Pro	vided: MS/MSD - Duplicate	Trin Blanke	Field Blanks	
Munsell Color Odor Stair	ning Texture	Sorting Plasticity M	oisture		Parame					
Water sample description should	l include:					/	<u> Anna an </u>			
Color Odor Sheen Turl	bidity					<u>/</u>				
					/					
Logged By: <u>Addier</u> Signature: <u>Vin</u>	Sotel ;	(Please Prir	ıt)		1		ewed by: <u>\$tAN</u> nature: AM	Jun	Date: 07A	ase Print) ANS
Signature.	-0	<u></u>				JIE			1	
					Ú	00	- 15- 10/2	24/05		
							•			

Location ID: <u>123 E810</u> Date: <u>4/3/08</u>	VP2 -6	<u>, 450-0001-50</u>	Field	l Sampling Ro	eport	t	RVAAP LL 2, 3, and 4	l Sub-S	lab Sample, Ravenna	, OH
			Sar	npling Informat	tion					
Source /	Grou	ndwater / Product		Surface Wate		1	Soils / S	Sedimer	ıts / Sludge	
Method	Bailer	/	Samp	ole Bottle	/	ŕ	Scoop		Trowel	
	Pump		Baco	n Bomb	/		Bowl		Hand Auger	
		/					Push Probe		Plastic Liner	
Type/Construction	/			1			Mattocks			
Miscellaneous	Well Purg Xes - No	ing Form	1							
Sample Collection: <u>0771</u> hrs Sample Depth: <u>0-1</u> FT	-	Sample Type: Con If	МІ, # о	- MI - Grab f increments taken: - Each Day - Each	gcatio	n n	Location: P	lotted of Estimate	n Map Slaked in Field 5d - Measured - Surv GF	/ have
Field Parameters (at time of sample)		Anal	ytical	Parameters			Othe	er Para	ameters	1
PID / FID Readings:		VOC					Corrosivity			
Background: O	. ) ppm	SVOC					Reactivity Sulfide/Cyani	đe		
Sample:	ррт	Explosives (Selected)	er.	TNT/ROX			Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	ĉ	Perchlorate					Q	A San	nples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD Y	es / No	D N	IA I
рН	units	Nitrate / Nitrite					Duplicate ID		NA	ł
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID		NA	ł
Redox Potential	mV	Propellants	<u> </u>				Trip Blank ID		NA	1
Turbidity	n.t.u.									
moist Lt. bisu	<u>Sa</u> mpl <u>ուղ Հլն</u> ք	e Description y clay w/ const	ruit			Sample	D:	mple	/	
		· · · ·			Nam					
		****			Agen	су/Соп	pany:			
Soil sample description should in Munsell Color Odor Stain		Sorting Plasticity Moi.	sture		QA/( Para	QC Pro meters:	rided: MS/MSD Duplicate - Ty Same as Above - As Lis	rip Blanks sted	- Field Blanks	
Water sample description should	include:						ferre and a second			
Color Odor Sheen Turb	vidity					/				
Logged By: <u>40097</u> Signature: <u>fin</u> So	Site 10	(Please Print)					ewed by: Stan	leve yorg	Date: OHP	se Print) V
						ί	RC - JE 10	)/2\$	1/08	

Location ID: <u>113EB9</u> Date: <u>4/3/</u> 0	1-55 -(	0325N-2016	د ک <sup>ر</sup> ۱	Field	Sampling R	eport		RVAAP LL 2, 3, and	4 Sub-S	ab Sample, Ravenna	, ОН
Date: 4/3/0	Ø										
					npling Informa					in the second	
Source /	Grou	ndwater / Product	/		Surface Wat	-horrak	/	Soils /	Sedimer	its / Sludge	
Method	Bailer			Samp	le Bottle	1	r	Scoop		Trowel	
	Pump			Bacor	n Bomb	Í		Bowl		Hand Auger	
					_/			Push Probe	i	Plastic Liner	
Type/Construction		/			/			Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form		/							
Sample Collection: 1030 hrs ) 600 v8 Sample Depth: 2-1 FT	s (below surfac	Sample Typ e) Decon:	If	MI, # of	- MI - Grab f increments taken: Each Day - Each	Locatiø	h	Location:	Plotted or Estimate	n Map Staked in Field 2d - Measured Surve G /	eyed
Field Parameters (at time of sample)			Analy	ytical	Parameters			Oth	er Para	ameters	
PID / FID Readings:		VOC						Сопозічіту			
Background:	- Ə <sup>ppm</sup>	SVOC						Reactivity Sulfide/Cyar	nde		
Sample:	ррл	Explosives (Selec	ted)	~	INT / ROX			Ignitability			
Water Level	∽ FT	Metals (Selected)	•					/			
Temperature	ĉ	Perchlorate						(	QA San	nples	
Sp. Conductance:	uMHOs	PCBs		-				MS/MSD	Yes / N	D N	łA
рН	units	Nitrate / Nitrite						Duplicate ID		N/	1
Dissolved Oxygen	Mg/L	TPH DRO / HRO	)					Equipment Rinse ID		N/	4
Redox Potential	mV	Propellants						Trip Blank ID		NA	4
Turbidity	N.T.U.										
Moist, brown	Sampl	e Description	<u>ر و</u> ر	<i>Gra</i> .	<u>~e (</u>	Nam	ісу/Сол		ample		
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turk Logged By: <u>Vrvitr</u> Signature:	ning Texture <b>l include:</b> bidity	Sorting Plasticity		ture			meters  Revi	vided: MSMSD - Duplicate Same as Above - As I ewed by:	isted	P	se Print)
		ŕ					2	DC - 13101	24/0	9 B	_

Location ID:	34VP	1-55-0335N -0a	Field 7 - 50	Sampling R	epor	t	RVAAP LL 2, 3, an	ıd 4 Sub-Sl	ab Sample, Ravenna	, OH
Date:/ ) / • •				npling Informa						
Source /	Grou	ndwater / Product /		Surface Wat	an a	- 1	Soil	s / Sedimen	ts / Sludge	
Method	Bailer	/	Samp	le Bottle		Ý	Scoop		Trowel	
	Pump	/	Baco	n Bomb 🦯	/		Bowl		Hand Auger	
							Push Probe		Plastic Liner	
Type/Construction		/					Mattocks			1
Miscellaneous	Well Purg Xes - No	ing Form	1					I		
Sample Collection: <u>/020</u> hrs Marin Kry Sample Depth: <u>0</u> - 1 FT	/	Sample Type: Con If e) Decon: Ded	MI, # 0	- MI - Grab f increments taken: Each Day - Eagh	Locatio	n	Location:	Plotted or Estimate	Map Staked in Field d - Measured - Surve	eyed
Field Parameters (at time of sample)		Anal	ytical	Parameters				ther Para		_
PID / FID Readings:	, P ppm	VOC					Corrosivity			
Background:	_ μ' ppm	svoc					Reactivity Sulfide/Cy	anide		
Sample:	तादुष्	Explosives (Selected)		TNT ROX			Ignitability		·····	
Water Level	, FT	Metals (Selected)		<i></i>			6			
Temperature	°C	Perchlorate						QA Sam	ples	/
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No	N	A
рН	units	Nitrate / Nitrite		-			Duplicate ID		NA	L I
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID		NA	1
Redox Potential	<u>m</u> ۷	Propellants					Trip Blank ID		NA	1
Turbidity	N.T.U.				10.11			and the second second	tere and the constant of all stores and the constant starts	werewe
Soil sample description should in Munsell Color Odor Stain	mətə (14	,	ture		Nam. Agen Addr	cy/Con ess: QC Prov	• <b>D</b> :		Field Blanks	
Water sample description should Color Odor Sheen Turb	include:				$\equiv$	Paris	swed by:	Levi	los sa a	
Signature:	Sto	(Please Print)					mature:		M Date: 07Apr	e Print)
		•				Ь	c-p1	0 2411	99	

Location ID: <u>263 F 1342</u> Date: <u>4/3</u> /00	4 - SB- 0	<u>5850 - 0201</u> -51 	Field b a	1 Sampling R	eport		RVAAP LL 2, 3, an	ıd 4 Sub-S	lab Sample, R	avenna, OF	
7 1			Sar	npling Informa	tion						
Source	Grou	ndwater / Product /	/	Surface Wat		/	Soil	s / Sedimer	nts / Sludge		
Method	Bailer		Samp	ole Bottle	1		Scoop		Trowel		
	Pump		Baco	n Bomb	/		Bowl	444-4/20	Hand Auger		
							Push Probe		Plastic Liner	-	
Type/Construction		/		1			Mattocks				
Miscellaneous	llaneous Well Purging Form Yes - No							UMC	-		
Sample Collection: <u>54</u> Martin Sample Depth: <u>7</u> FI		Sample Type: C	l <u>f M</u> I, # o	- MI - Grab f increments taken: - Each Day - Each	Location		Location:	Plotted of Estimate	n Map Staked ed - Measured	n Field - Surveyed	
Field Parameters (at time of sample)		Ana	lytical	Parameters			O	ther Para	ameters	-	
PID / FID Readings:		voc					Corrosivity				
Background:	9.) <sup>ррт</sup>	SVOC					Reactivity Sulfide/Cy	anide			
Sample:	phu	Explosives (Selected)		TNT ROX			Ignitability	· · · ·	<u>.</u>		
Water Level	FT	Metals (Selected)									
Temperature	ŗ					QA San	nples	$\geq$			
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	0	NA	
рН	units	Nitrate / Nitrite			<u> </u>		Duplicate ID	$\checkmark$		NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID	r	-	NA	
Redox Potential	тV	Propellants	_				Trip Blank ID			NA	
Turbidity	N.T.U.				in a state of the	iliya ya Bi				/	
maist bi	Sampl	e Description			Split S	Sample		Sample		/	
· · · · · · · · · · · · · · · · · · ·	/				Name				/		
					Agenc		inany:		_/		
					Addre			- /	L		
				<u>.                                </u>				1			
							/	/			
Soil sample description should	include:				QA/Q	C Prov	vided: MS/MSD Duplicate	- Trip Blanks	- Field Blanks		
Munsell Color Odor Sta	ining Texture	Sorting Plasticity Mo	isture		Paran	neters:	Same as Above – As	Listed			
Water sample description should	ld include:						1				
Color Odor Sheen Tu	rbidity					Ĺ					
V	<b>5</b> 4 4				þ		~ /1/4		0		
	6 4 CL	(Please Prin	;)	-			ewed by: Destant		<u>1</u>	(Please Print	
Signature:	ne	7				Sig	nature: $/$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	L Date .	( ItoNO	

Location ID: 163684 Date:4/3/06								·
				npling Informat				
Source	/ Grou	ndwater / Product /		Surface Wate	r /	Soil	s / Sediments / Slu	ıdge
Method	Bailer		Samp	le Bottle		Scoop	Trow	vel
	Pump		Bacor	n Bomb		Bowl	Hand	d Auger
						Push Probe	Plast	ic Liner
Type/Construction	/	/		-/		Mattocks		
Miscellaneous	Well Purg Yes - No	ing Form	/				UMC	
Sample Collection: / 63 / h // Kocl W Sample Depth: 0 - 4 F	urs	Sample Type: Con	MI, # of	f increments taken:		Location	Plotted on Map - Estimated - M	leasured - Surveye
Sample Depth: <u>7 - 4</u> F	Γ (below surfac	e) Decon: Ged	icatèd -	Each Day Each	Location	1		GRS-
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Paramete	ers
PID / FID Readings:		voc				Corrosivity		
Background:	D.) ppm	SVOC				Reactivity Sulfide/Cy	anide	
Sample:	ppm	Explosives (Selected)	1	TNT/RDX		Ignitability		
Water Level	r Level FT Metals (Selected)							
Temperature							QA Samples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA
рН	ų <u>ni</u> ts	Nitrate / Nitrite				Duplicate ID		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA
Redox Potential	шγ	Propellants				Trip Blank ID		NA
Turbidity	N.T.U.							
dry brow.	Sampl	e Description			Split Sampl		Sample	/
					Name:			/
					Agency/Con	праву:	1	7
					Address:		/	
· ·								
Soil sample description should	include:					wided: MS/MSD - Duplicate	- Trin Blanks - Field I	Blanks
Munsell Color Odor Sta		Sorting Plasticity Moi	sture			: Same as Above - As		
Water sample description show	-	-				1		
Color Odor Sheen Tu								
	-				/			
Logged By: <u>La vie</u>	c Sotel	ور (Please Print)			Revi	ewed by Star	Levena	(Please Pri
Negect by. <u></u>	$C \square$					gnature:		Date: 07ADr 01

Source Method Type/Construction Miscellaneous	Grou Bailer Pump	ndwater / Product	San	npling Informa	uon				
Method Type/Construction	Bailer	ndwater / Product				G-B	- / 8-3:		
Type/Construction			Com	Surface Wat	er /	SCOOP	s / Seaimer	nts / Sludge	- <u>-</u>
	Pump			se jan 1990 ka bar dar a terratur terratur. Bar dar bar dar					╋
			Bacol	n Bomb		Bowl	isterios	Hand Auger	
		$\bigwedge$						Plastic Liner	-
Muscellaneous				/		Mattocks			
/	Well Purg Yes - No	ing Form	/				ι	IMC	
Sample Collection: <u>1545</u> Dr 160108 Sample Depth: <u>-4</u>	hrs FT (below surfac	Sample Type: Con If Decon: Deco	<u>MI,</u> # 0.	- MI - Grab f increments taken: - Each Day - Each	Location	Location:	Plotted of Estimate	n Map - Staked in Fie	td rvey
Field Parameters (at time of sample)		Anal	ytical	Parameters		O	ther Para	ameters	1
PID / FID Readings:		voc				Corrosivity			
Background:	0-) <sup>ppm</sup>	svoc				Reactivity Sulfide/Cy	anide		
Sample:	ррть	Explosives (Selected)	4	TNT/RDA		Ignitability	/		1
Water Level	FT	Metals (Selected)	, ,						1
Temperature	ΰ	Perchlorate	-				QA San	aples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / Ne	0	'n
рН	units	Nitrate / Nitrite				Dupticate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
dry_Bri		e Description		· · · · · · · · · · · · · · · · · · ·	Split Sam Name: Agency/C Address:	ple ID:	Sample		
Soil sample description should Munsell Color Odor Si Water sample description sho Color Odor Sheen T Logged By: <u>VA v.er</u>	aining Texture uld include: urbidity	Sorting Plasticity Mois			Paramete	rovided: MS/MSD Duplicate rs: Same as Above - As viewed by: 570 Signature: Stan (0	Listed	Ners 51	

Sampling Information           Searce         Greandwater (Product         Searce         Soils / Selfment / Stodge           Method         Baller         Sampling Educit,         Scoop         Trowd           Dump         Bacen Bonts         Bont         Bont         Hand Auger           Type/Unstruction         Multicol         Bont         Junc         Hand Auger           Type/Unstruction         Multicol         Bont         Junc         Hand Auger           Supple Collection: (332-ths         Sample Type: Convecte - Mill - Gall         Junc         Junc           Sample Collection: (332-ths         Sample Type: Convecte - Mill - Gall         Junc         Junc           Sample Collection: (332-ths)         Sample Collection: (332-ths)         Junc         Junc           Sample Collection: (332-ths)         Sample Collection: (332-ths)         Junc         Junc           Field Prarameters         Other Parameters         Other Parameters         Other Parameters           Sample Collection: (332-ths)         VOC         Readings:         Other Parameters           Background:         0 - D         The Exploration Gelection)         Type// P (A           PID / FID Readings:         0 - D         The Exploration Gelection)         Math Stod Gelection) </th <th>×1</th> <th></th>	×1								
					tion				
Source	Grou	ndwater / Product		Surface Wat	er /	Soil	s / Sedime	nts / Sludge	
Method	rea Groundwater / Product Surface Water Solids / Seliminits / Solidge the formation of the								
	Ритр		Bacon l	Bomb	/	Bowl	18	Hand Auger	
				- /		iDi		Plastic Liner	
Type/Construction	- /	/		1		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	/				Ú-	nc	
Sample Collection: <u>/33</u> Sample Depth: <u>-</u>	-	Sample Type: Con If e) Decon: Deco	MI, # of i	ncrements taken:	Location	Location	: Plotted o Estimat	on Map-Staked in Field	
		Anal	ytical P	arameters		0	ther Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	0-) <sup>ррт</sup>	svoc		· · · · · · · · · · · ·		Reactivity Sulfide/Cy	/anide		
Sample:	ррт	Explosives (Selected)		TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)	CH X						
Temperature	r	Perchlorate					QA Sai	nples	-
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	N
рн	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO			ļ	Equipment Rinse	ſ		NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.							the state of the s	
dry pr	Sampl own Ccay	e Description		· · · · · · · · · · · · · · · · · · ·			t Sample		_
	-					ompany:			
Munsell Color Odor S	Staining Texture	Sorting Plasticity Mois	sture					- Field Blanks	
					]				
Logged By: Value	Safel,	(Please Print)			Re	viewed by: Han	lerver	S.	(Please

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Location ID: $\frac{1}{2} \frac{1}{3} \frac{1}{6}$	00	<u></u>		0	2Ap*			· · · · · · · · · · · · · · · · · · ·			
					pling Informa						
Source	Grou	ndwater / Produc	t /		Surface Wat	er	1	S	oils / Sedim	ents / Sludge	
Method	Bailer			Sampl	le Bottle	/		Scoop		Trowel	
	Pump			Васоп	1 Bomb			Bowl		Hand Auger	
	-				1			Push Probe	10 101	Plastic Liner	i
Type/Construction	/	/			7			Mattocks			
Miscellaneous	Well Purg Ves - No	ing Form		/				····	JMC	-	
Sample Collection: <u>13/ 3</u> A. K. Qu. JV Sample Depth <u>7 - 4</u>			If	MI, # of	- MI - Grab increments taken: Each Day - Each	Location	<u>P</u>		on: Plotted	on Map - Staked ated - Measured	in Field Surveyed
Field Parameters (at time of sample)			Analy	ytical 3	Parameters				Other Pa	rameters	/
PID / FID Readings:		VOC		<u> </u>				Corrosivity			
Background:	0.7 ppm	SVOC		1				Reactivity Sulfide	/Cyanide	$\overline{\mathbf{T}}$	
Sample:	ррті	Explosives (Sel	ected)	./	TNT/ROX	<u>-</u>		Ignitability			
Water Level	FT	Metals (Selected	d)		I'M LIADA						
Temperature	r	Perchlorate							QA Sa	mples	
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes /	No	NA
рН	units							Duplicate ID		NA	
Dissolved Oxygen	Mg / L	TPH DRO / HR	0					Equipment Rinse II			NA
Redox Potential	mV	Propellants						Trip Blank ID			NA
Turbidity	N.T.U.										
Stag 10	Sampl	e Description	brow	n cl	arj	Split Name	Sample		plit Sample		/
						D. U.S. Korsek K. S. S. S	cy/Con	manvi		-	
						Addr			/		
· · · · · · · · · · · · · · · · · · ·								27. J. Sandar, S. Martin, M. Sandar, and Y. Sandar, S. Sandar, Sandar, S. Sandar, S Sandar, Sandar, San	/		
								_ /			
Soil sample description sho	ould include:	·						vided: MS/MSD - Duplic		ks – Field Blanks	
Munsell Color Odor	Staining Texture	Sorting Plastic	ity Mois	ture		Para	meters:	Same as Above -	As Listed		
Water sample description s	hould include:						1				
Color Odor Sheen	Turbidity					7					
						1			A series of the		
Logged By: <u>Yau'r</u> Signature:	r Sotel.	(Pleas	e Print)					ewed by:	han for	N Date: D	(Please Print HADIN
								DC-JB			
							, c	i po	10 pc n		

Location ID: <u>123E844</u> 9-13/3 (	- <u>5</u> B-06	35N-2001-50	Field	I Sampling Ro	eport	RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Raven	na, OH
Date:	and     Bailer     Sample Both     Scop     Trowel       Pump     Bacon Bonh     Bowl     Hand Anger       Path Probe     Studie Liner     Path Probe       Path Probe     Studie Liner     Path Probe       Path Probe     Studie Liner       Path Case								
Source	Grou	ndwater / Product	581			Soils	/ Sedimer	nts / Sludge	
Method			Sam	Alexandri Alexandri I. S. Alexandri and Alexandri Alexandri Alexandri Alexandri Alexandri Alexandri Alexandri A			Т	-	-
	Pump		Baco	n Bomb	/   -	1			
						Push Probe	of curto	Plastic Liner	~
Type/Construction		/		1		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form					J	mc	
Sample Collection: 2/5 hrs Mbx 10 Sample Depth: 0 - 4 FT		<u>II</u>	<u>MI,</u> # o	f increments taken: _		Location:	Plotted or Estimate	ed - Measured 🖍 Sy	rveyed
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oti	ier Para	ameters	/
PID / FID Readings:		VOC				Corrosivity			
Background: (	2.9 <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cya	nide	$\square$	
Sample:	ppm	Explosives (Selected)	1	+len		Ignitability			
Water Level	FT	Metals (Selected)					- 4/11	· ·	
Temperature	۴	Perchlorate					QA San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.				Manual Armahand			V	
	CL.				Name: Agency/Cor Address:	e D:		- Field Blanks	
Munsell Color Odor Stair	ning Texture	Sorting Plasticity Mois	sture		Parameters	: Same as Above - As l	isted		
Water sample description should	d include:				=/				
Color Odor Sheen Tur	bidity		.*		7				
Logged By: <u>Jun So</u> Signature: <u>Jun So</u>	tels SA	(Please Print)		·····		ewed by: <u>Stalk</u> gnature: <u>Ath A</u>	lerre verz	NS0 \Date:7	Please Print)
· · · ·					(	OC - J& 10,	24/0	0B	

					Sampling R						
Source	/ Grou	ndwater / Product	/	Sau	Surface Wat	917 19 <u>1</u> 9 19 19	1	Soil	s / Sedimer	nts / Sludge	
Method	Bailer		/	Samp	le Bottle	<b>.</b>		Scoop		Trowel	
	Ритр	<u>/</u> -		ana afasta Perejatata	1 Bomb			Bowl		Hand Auger	
	- T diap				/				510246	Plastic Liner	~
Type/Construction		<u> </u>						Mattocks			
Miscellaneous	Well Purg	ing Form		1	/			Matooxo	<u>_</u>		
	Yes - No			/					_	MC	
Dr/60402 -	hrs		If	MI, # of	- MI - Grab	. <u></u>	·	Location:	Plotted or Estimate	n Ma <u>p - Staked in</u> ed - Measured -	Surveye
Sample Depth: 0 - 4 ]	FT (below surfac	e) Decon:	Dedi	icated -	Each Day - Each	Location	*)			. (	<u>GPS</u>
Field Parameters (at time of sample)		Å	\naly	ytical	Parameters			O	ther Para	ameters	. •
PID / FID Readings:		VOC				<u> </u>		Corrosivity			
Background:	0-7 ppm	svoc		-			· · · -	Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Select	ted)	1	+ 100			Ignitability	/		
Water Level	FT	Metals (Selected)			+ NT / RUX					· ·	
	۳c								04.0		
Temperature		Perchlorate							QA San		
Sp. Conductance:	uMHO5 units	PCBs						MS/MSD Duplicate ID	Yes / No	°	NA NA
pH Dissolved Oxygen	Mg/L	Nitrate / Nitrite						Equipment Rinse ID			NA
Redox Potential	mV i	Propellants						Trip Blank ID			NA
Turbidity	N.T.U.										
DRY B Soil sample description should Munsell Color Odor St Water sample description sho Color Odor Sheen T	d include: d include: vaining Texture uld include:	· · · · · · · · · · · · · · · · · · ·	Mois	iure		Agenu Addru Addru	:y/Con ess: (C.Prov		Sample	- Field Blanks	
Logged By:	Sotel,	(Please I	Print)				Revie	ewed by: 167an	(erse	M	(Please Pr
Signature:	Stel,							nature: AM	2721~	Date: 02	Aari

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Location ID: $\underline{LL3 E G4}$ Date: $\underline{-4/3/3}$	14-58	- 0655N-200	Field	Sampling R	eport	RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Rave	nna, OH
Date: 4/3/0	6		T	At estapr				_	
				npling Informa					
Source /	Grou	ndwater / Product /		Surface Wate	en de la compañía de	Soils /	Sedimer	nts / Sludge	~=
Method	Bailer		Samp	le Bottle	Ń	Scoop		Trowel	
	Ритр		Bacor	n Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction	/	/		-/		Mattocks JS	pivik	в	
Miscellaneous	Well Purg Yes - No	ing Form	/	/			) (	nc	
Sample Collection: ( <u>715</u> hrs (1160 Al Sample Depth <u>0 - 4</u> FT		Sample Type: Con Je e) Decon: Ved	ML # 0	- MI - Grab f increments taken: Each Day Each		Location:	Plotted of Estimate	n Map - Staked in F ed - Measured -	Teld Sarveyed DPS
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Para	ameters	<b>^</b>
PID / FID Readings:		VOC				Corrosivity			
Background:	9.3 ppm	SVOC				Reactivity Sulfide/Cyar	nide		
Sample:	ppm	Explosives (Selected)	1	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)		1.22					
Temperature	°C	Perchlorate				(	QA San	nples	/
Sp. Conductance:	uMiHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Kedox Potential	m۷	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.						. 1007 1444 1 244 1 47		
diny	Sampl Brown	e Description CLa Y			Split Sampl	e D:	ample		<u> </u>
					Name:			1	
					Agency/Con	npany:		/	
					Address:		1		
							/		
Soil sample description should i		- Reading - Directolog Mail			QA/QC Pro Parameters	wided: MS/MSD - Duplicate - : Same as Above - As I		- Field Blanks	
Munsell Color Odor Stair Water sample description should	-	Sorung Flasticity Mol	siure			1			
Color Odor Sheen Tur					2				
				:	1		<b>/</b>		
Logged By: XANGES	otolo	(Please Print)			Revi	iewed by: Stan F	Roberl	2	_(Please Print)
Logged By: <u>XALIET S</u> Signature: <u>XALIET S</u>	tio	(i iouse i iiii)				gnature: AM	wen	Date: SA	Jow (
						AC-ND	12-	/ /_&	•
. · · ·					0	ac - 13 10	1-1		
									•

Location ID: <u>113 EB4</u> ,	4-5 <u>B</u> -0	7665N-0	_ ا دەر	Field -らつ	Sampling R	eport	RVAAP LL 2,	3, and 4	Sub-Sl	ab Sample, Raven	na, OH
Date: 4/3/09											
				Sor	apling Informa	tion					
Source	Grou	ndwater / Produ	ct /		Surface Wat			Soils / S	edimen	ts / Sludge	
Method	Bailer			Samp	le Bottle	7	Scoop			Trowel	
	Ритр			Baco	1 Bomb		Bowl		l l	Hand Auger	
		/					Push Probe	88	The	Hand Auger Plastic Liner	V
Type/Construction	- 7	/	I				Mattocks		Ī		-
Miscellaneous	Well Purg Xes - No	ing Form		1					JM	c	
Sample Collection: <u>1740</u> hr MJGANK -> Sample Depth: <u>0 - 4</u> FT	•	-	If	MI, # o	- MI - Grab f increments taken: · Each Day Each	Location>		ation: P I	lotted or Estimate	n Map - Staked in Fie d - Measured Su	uveyed
Field Parameters (at time of sample)			Analy	ytical	Parameters			Othe	r Para	meters	/
PID / FID Readings:		VOC					Corrosivity				
Background:	().) ppm	svoc					Reactivity Sulfi	de/Cyani	de		_
Sample:	ррш	Explosives (Se	lected)		TNT/ROX		Ignitability				
Water Level	TT	Metals (Select	ed)								
Temperature	ŗ	Perchlorate						Q	A San	ıples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Y	'es / No		NA
рН	units	Nitrate / Nitrit	e				Duplicate ID		_	/	NA
Dissolved Oxygen	Mg/L	TPH DRO / H	RO				Equipment Rins	eD			NA
Redox Potential	٣V	Propellants		1			Trip Blank ID				NA
Turbidity	N.T.U.				,						
	<u>brown</u>					Address	Company:	Split Sa			
Soil sample description should i Munsell Color Odor Stai Water sample description shoul Color Odor Sheen Tur	ining Texture I <b>d include:</b> rbidity					Parame	Provided: MS/MSD Do ers: Same & Abov	e - As Li	sted	ent.	
Logged By: <u>Xaurer</u> Signature: <u> </u>	Sol.	(Ple	ase Print)				Reviewed by: Signature:	itang MS	121	A Date: ON	Please Print)
							OC- JS	10/2-	108	>	

Location ID: <u>43EB</u> 4	44-57	R-13675N	ر مرب ر	Field	Sampling R	eport		RVAAP LL 2, 3, and	4 Sub-Si	lab Sample, Rav	enna, OH
Date: $\frac{4/3}{0.8}$	<u> ر</u>	<u> </u>	Ų		~			<b> </b> , <b>_</b> , <b>.</b> , <b></b>			
Date:		· 									
	1			San	npling Informa	Harrietta	/	<u>,</u>			
Source	Grou	ndwater / Product	$ \leftarrow$		Surface Wat	er	$\square$		Sedimer	nts / Sludge	
Method	Bailer	/		Samp	le Bottle	$\square$		Scoop	_	Trowel	
	Ритр			Bacor	n Bomb			Bowl	101274/2	Hand Auger	
								Push Probe J <sup>S</sup>	012412	Plastic Liner	
Type/Construction		/						Mattocks			
Miscellaneous	Well/Purg Yes - No	ing Form		/				$\mathcal{O}$	MC	-	
Sample Collection: $170  \text{J}$ hrs M  GOAN = 0 - 4 FT Sample Depth: 0 - 4 FT	s (below surfac		If	MI, # of	- MI - Grab f increments taken: Each Day Each	Locatio	 P	Location	Plotted o Estimate	n Map - Staked in ed - Measured -	Eield Sarveyed GRS
Field Parameters (at time of sample)			Analy	ytical	Parameters			Oth	er Para	ameters	
PID / FID Readings:		VOC						Corrosivity		$\square$	
Background:	0,3 ррт	SVOC						Reactivity Sulfide/Cyan	ide		
Sample:	ppm	Explosives (Selec	ted)	V	TNT/ROX			Ignitability			
Water Level	FT	Metals (Selected)	)								
Temperature	J	Perchlorate						(	)A San	nples	/
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / N	0	NA
рН	uaits	Nitrate / Nitrite						Duplicate ID	/		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	)					Equipment Rinse ID			NA
Redox Potential	mV	Propellants						Trip Blank ID	~		NA
Turbidity	N.T.U.							~			
brown	Sampl CCM	e Description				Split	Sampl	e D:	ample		
										- 7	<u> </u>
						Nam	e:				
						Agen	cy/Con	opany:		1	
						Addr	'ess:		- /		
									/		
Soil sample description should i								vided: MS/MSD Duplicate - Same as Above - As L		- Field Blanks	
Munsell Color Odor Stai		Sorting Plasticity	y Moi:	sture		The second secon		<u> </u>			
Water sample description should								<u>Anne ester anne ester anne ester</u>			
Color Odor Sheen Tur	bidity					7	/				
Logged By: XAUIE	So to 6	(Please	Print)	<u></u>			Revi	ewed by Stan 0/	Ever	**	(Please Print)
Signature:	SA	>						VAL XX	هـــه	Date:	April
<u>t</u>	<u> </u>							gnature: <u>7210 - 200</u> DC- J& W1 <sup>22</sup> 11	10		
							(	ye je opu	UΒ		
		т.						-			

Date: 4/3/08				ASAP					
		·····	San	pling Informat	tion				
Source /	Grou	ndwater / Product /		Surface Wate		So	oils / Sedimen	ts / Sludge	
Method	Bailer	/	Samp	le Bottle	$X^{-}$	Scoop		Trowel	
	Pump		Bacor	Bomb		Bowl	-trul DF	Hand Auger	
				1		Push Probe	s quint	Plastic Liner	
Type/Construction		/		-/		Mattocks			
Miscellaneous	Well Purg	ing Form	/	7			)m	<u> </u>	
Sample Collection: 1645 h	Yes - No			- MI - Grab		Locatio		n Map - Staked in.	Field
Approved to a si	rs ' (below surfac	Sample Type: Con If e) Decon: Ded	MI. # of	increments taken: Each Day - Each	Location	·		d - Measured -	
Field Parameters (at time of sample)		Anal	ytical	Parameters			Other Para	ameters	~
PID / FID Readings:		VOC				Corrosivity			
Background:	0.0 <sup>ppm</sup>	SVOC				Reactivity Sulfide/	Cyanide		
Sample:	ррт	Explosives (Selected)	~	TNT /ROX		Ignitability	/	· · · · · · · · · · · · · · · · · · ·	
Water Level	FT	Metals (Selected)							
Temperature	ĉ	Perchlorate		· · · ·			QA San	iples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	,	N
рн	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.					-			
Dry Broom	Sampl	e Description /			Split Sampl		lit Sample		
·	/								7
					Name: Agency/Co			= /	
				· · · · · · · · · · · · · · · · · · ·	Address:				
Soil sample description should	include:					wided: MS/MSD - Duplica		- Field Blanks	
Munsell Color Odor Sta	ining Texture	Sorting Plasticity Moi	sture		Parameters	: Same as Above -	As Listed		
Water sample description shou	ld include:					1			
Color Odor Sheen Tu	rbidity								
Logged By: XAU; er	Sotele Sotele	(Please Print)				iewed by:AA gnature:AA	Alege N An	1 M Date: _ ()	(Pleas
		<u> </u>			. (	De- Js 11			
						0			

Date: 4/3/01	7	<u>-0695N-</u> 0001	0-	iAγ					
				pling Informat	tion				
Source	/ Grou	ndwater / Product	1	Surface Wate	r /	Soil	ls / Sedimer	nts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe	00 200	Plastic Liner	
Type/Construction				1		Mattocks			
Miscellaneous	Weil Purg Yes - No	ing Form	1			С	) NC		
Sample Collection: <u>1755</u> Milex Ale Sample Depth: 0 - 4	e	Sample Type: C e) Decon: De	If MI, # of	- MI - Grab increments taken: Each Day (Each I	Locator	Location	: Plotted o Estimate	n Map - Staked in ed - Measured	Surve
Field Parameters (at time of sample)			alytical l	Parameters		0	ther Par	ameters	
PID / FID Readings:	0	VOC				Corrosivity			
Background:	O_O ppm	SVOC				Reactivity Sulfide/Cy	yanide		
Sample:	ppm	Explosives (Selected)	1	tot Pox		Ignitability			
Water Level	FT	Metals (Selected)		· · / · · ·					
Temperature	°C	Perchlorate					QA San	nples	~
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	N
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
Dry I	Sampl	e Description			Split Sam Name: Agency/C Address:	ple D:	t Sample		/
Soil sample description shou Munsell Color Odor S Water sample description sho Color Odor Sheen G	taining Text <mark>u</mark> re p <b>uld incl</b> ude:		oisture It)		Paramete	rovided: MS/MED - Duplicate rs: Same as Above - A			Pieas

Location ID: LL3EE	34-5B	<u>-00775~</u> 2001/	\$2	Sampling Ro	eport		RVAAP LL 2, 3, and 4	Sub-Sl	ab Sample, Ravenn	a, OH
Date: 4/4/06			5	NA other						
			,	pling Information	tion					
Source /	Grou	ndwater / Product /		Surface Wate	06468	/	Soils / S	edimen	ts / Sludge	
Method	Bailer	/	Samp	e Bottle	/		Scoop		Trowel	
	Ритр		Bacor	Bomb	/		Bowl		Hand Auger	
				1			Push Probe	41.65	Plastic Liner	$\checkmark$
Type/Construction		/		/			Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form			5			Uin	L	
Sample Collection: 0945 hrs		Sample Type: Con			/		Location: P	lotted or	n Map-Staked in Fiel	d
Sample Depth: 2- 3 FT	(below surfac	e) Decon: Ded	MI, # of	increments taken: _ Each Day - Each	Locatio	<u>р</u>	, 	estimate		Dered )
Field Parameters (at time of sample)		Anal	ytical	Parameters	-		Othe	r Para	ameters	
PID / FID Readings:		VOC					Corrosivity			
Background:	. J <sup>ppm</sup>	SVOC					Reactivity Sulfide/Cyani	de		
Sample:	ppm	Explosives (Selected)		· · · · · · · · · · · · · · · · · · ·			Ignitability			
Water Level	FT	Metals (Selected)		TOT/ROX	-					
Temperature	°C	Perchlorate		Að			Q	A San	nples	/
Sp. Conductance:	uMHOs	PCBs					MS/MSD Y	'es / No	0	NA
рН	units	Nitrate / Nitrite					Duplicate ID		1	¶A
Dissolved Oxygen	Mg/L	TPH DRO / HRO	<u> </u>				Equipment Rinse ID		1	JA
Redox Potential	тV	Propellants					Trip Blank ID		۱ 	NA
Turbidity	N.T.U.	TNT/PDX	X							
bosun Cha	Sampl	e Description			Split	Sampl	e ID: Split Sa	mple		1
	1								1	
Hegysal C. 2	5 75 10	2/2-1					npany:			
		· · · · · · · · · · · · · · · · · · ·			Agen		npany:		a da ser da s Ser da ser da	
	· · · · · · · · · · · · · · · · · · ·		·		Auu					
								/		
Soil sample description should i	include:				QA/	QC Pro	wided: MS/MSD - Duplicate - T	rip Blaoks	- Field Blanks	
Munsell Color Odor Stai	ning Texture	Sorting Plasticity Moi	siure		Para	imeters	: Same as Above - As Li	sted		A second se
Water sample description should	d include:									
Color Odor Sheen Tur	bidity	•								
		·			/	/	- / I ^ /			
Logged By: XAVIVIS Signature: XAVIVIS	iste la	(Please Print)					iewed by:	ven	Date: 077-p	lease Print)
<u>t</u>						[	SC- 4 lal	24/1		
						C	xc Jo w	- 1		

		<u> </u>		<u> </u>					·	
Location ID: <u>LL3 EB</u> Date: <u>4/4/8</u>	<u>4-5</u> B	-0385N-000	Field 50	Sampling Re	eport		RVAAP LL 2, 3, and 4	Sub-Sl	ab Sample, Raven	ma, OH
·	<b>7</b>		χs	0/100						
Date:4 4 0 X										
	<b>.</b>		San	pling Information	tion	11111				
Source /	Grou	ndwater / Product		Surface Wate	r	/	Soils / S	Sedimen	ts / Sludge	
Method	Bailer		Samp	e Bottle			Scoop		Trowel	
	Pump		Васол	Bomb			Bowl	1	Hand Auger	
							Push Probe	10 T	Plastic Liner	4
Type/Construction	/			/			Mattocks			
Miscellaneous	Well/Purgi Yes - No	ing Form			)			$\mathcal{O}^{\mu}$	n C	
Sample Collection: (03) hrs	L	Sample Type: Co	mposite	- MI - Grab			Location: F	lotted or	Map - Staked in Fi	eld-
MALL JAN	(below surfac	e) Decon: Peo	MI, # of	increments taken: Each Day Each	Locatio	m		Estimate	d - Measured - (S	urveyed \
Field Parameters	-	<u>_</u>		Parameters			Oth	er Para	imeters	
(at time of sample)										<u> </u>
PID / FID Readings:	2 -	voc					Corrosivity			
Background: C	2e⊋ ppm	svoc					Reactivity Sulfide/Cyan	de		
Sample:	ppm	Explosives (Selected)	b	t			Ignitability			
Water Level	FT	Metals (Selected)	K	TNT/ROX						
Temperature	r	Perchlorate					Q	A San	nples	<u> </u>
Sp. Conductance:	uMHOs	PCBs					MS/MSD	(es / No	)	NA
рН	units	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID			NA
Redex Potential	mV	Propellants			_		Trip Blank ID			NA
Turbidity	N.T.U.									
huist, b	Sampl	e Description			Splif	Sampl	e ID:	mple		
										<u>a</u>
					Nam	16:			/	
·····					Age	ncy/Coi	npany:			
					Add	ress:				
								/		
							/			-
Soil sample description should							wided: MS/MSD - Duplicate - T : Same as Above - As L		- Field Blanks	
Munsell Color Odor Stai	ining Texture	e Sorting Plasticity Mo	isture							
Water sample description shoul	d include:						_/			
Color Odor Sheen Tur	bidity									
Variation S	sotol.	/Dissa D	\		And the second s	Ret	iewed by: Stan Jan	2rQn		(Please Print)
Logged By: Varier S	A	(Please Print	)				gnature:	Soft	Date: 14.00	
Signature: Ym 3	<u>·&lt; ]</u>							<u>.</u>		
						l	)(- jo 10/2	4 /o	0	
							0			

Location ID: <u>13</u> Date: <u>4</u> 40	<u>= 154 - 57</u> 8	<u>5-0465</u> P-80	101.50	ps where the		RVAAP LL 2, 3, and	14 Sub-Sl	ab Sample, Rav	venna, (
uau ( [				pling Informat					
Source /	/ Grou	ndwater / Product /		Surface Wate	r /	Soils	/ Sedimen	its / Sludge	
Method	Bailer	X	Samp	e Bottle	/	Scoop		Trowel	
	Pump		Васол	Bomb	/	Bowl		Hand Auger	
				/		Push Probe	sideujoe	Plastic Liner	
Type/Construction	/	<u>/</u> l		1		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	1				UN	16	
Sample Collection: 1215	hrs	Sample Type: Co	MI, # of	increments taken:		Location:	Plotted or Estimate	n Map Staked in ed - Measured -	Field
Sample Depth: 0- 2	FT (below surfac			Each Day - Each	Location	01	her Para		Oes
(at time of sample)		Alla		r ar ameters					$\leq$
PID / FID Readings:		VOC				Corrosivity			
Background: C	) ∕J ppm	SVOC				Reactivity Sulfide/Cy	anide	1	
Sample:	ppm	Explosives (Selected)	1	JNT /ROX &	s iskelse	Ignitability	-		
Water Level	FT	Metals (Selected)	X	JNT /ROX }					
Temperature	ĉ	Perchlorate	•				QA San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	•	NA
pH	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								· · · · · · · · · · · · · · · · · · ·
Drywn ·	Sampl 5. Lty 54	e Description			Split Sampl		Sample		/
218482	102'	10124		*	Name:			/	
		<u>u</u>			Agency/Co	npany:		1	
					Address:				
	_						/		
、						tin de la compañía de			
Soil sample description shou			• .			wided: MS/MSD Duplicate : Same as Above - As		- Field Blanks	
		e Sorting Plasticity Mo	isture			1			
Water sample description sh Color Odor Sheen									
Color Udor Sheen	линацу								
Logged By: Ver	- Satelu	(Please Print	)		Rev	iewed by:	Levens		(Please
Signature:	SAL	(i icase i filli	~			gnature: Atta		Date: //	
	· · · · · · · · · · · · · · · · · · ·								
Location ID: <u>LL 3 E1</u> Date: <u>4/4/0</u>	34-5	13-04 <b>5</b> 521-60	Field	Sampling R	eport 3	RVAAP LL 2, 3, and	l 4 Sub-Sk	ab Sample, Ravenn	a, OH
--	---------------------------	--	----------	---	-------------------------	---	-------------------------	---	-------------------
Date: 4/4/08				Property					
				pling Informa					
	0	ndwater / Product	anse 	Surface Wat		Soile	/ Sediment	s / Sludge	
Source Method	Bailer	ndwaler / Product	Sampl	e Bottle		Scoop		Trowel	
Memod			Bacon	na na seu a la cola da la cola da Esta da la cola da la c		Bowl		Hand Auger	
	Ритр 		Bacon		<u> </u>		<del>Divilo</del>	Plastic Liner	
	/					rusii riobe (j			
Type/Construction						Mattocks	1/20/		
Miscellaneous	Well Purgi Yes - No	ing Form	/	$\langle \langle \rangle$	)		JMC		
Sample Collection: 1030 M (000W V Sample Depth: 2-2 FT	s (below surfac	Sample Type: Con If e) Decon: Deco	MI, # of	- MI - Grab increments taken: Each Day - Each	Location	Location:	Plotted on Estimated	Map - Staked in Fie d - Measured - Stu	Nd Tveyed B
Field Parameters (at time of sample)		Anal	ytical ]	Parameters		Ot	her Para	meters	/
PID / FID Readings:		VOC				Corrosivity		$\angle$	
Background: O	. <i>Э</i> <sub>ррт</sub>	SVOC				Reactivity Sulfide/Cy	nide		
Sample:	ppm	Explosives (Selected)		TNT/ROX	15 1012-108	Ignitability			
Water Level	FT	Metals (Selected)	Z	TUTIEN					
Temperature	ĉ	Perchlorate		/			QA Sam	ples	
Sp. Conductance;	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID		]	NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		1	NA
Redox Potential	тVa	Propellants				Trip Blank ID		]	NA
Turbidity	N.T.U.								
Browns	, Sampl Siloty Se	e Description n 4			Split Sampl		Sample	/	<u>/</u>
Petiso	02'	js 16/24			Name:				
					Agency/Cor	npany:		/	
					Address:		/		
							1		
						/			
Soil sample description should i					QA/QC Pro Parameters	vided: MS/MSD Duplicate - Same as Above - As	Trip Blanks Listed	- Field Blanks	
Munsell Color Odor Stain	-	e Sorting Plasticity Moi	sture						
Water sample description should									
Color Odor Sheen Tur	Didity								
	r.11			<u></u>	_	c.Len	TANOM		
Logged By: VAU: Cr Signature:	Sett	(Please Print)	)			iewed by: <u>Stan</u> gnature: <u>A</u> MA	NM	Date: /600	Please Print)
							A Lati		
					(	IC- JS 19	24/09		

		- 039 5N -00							
			San	pling Informa	an a				
Source		ndwater / Product		Surface Wate	<u>r /</u>		s / Sedimen	ts / Sludge Trowel	
Method	Bailer		anna Tr	e Bottle	$\overline{A}$	Scoop			
	Pump		Bacon	Bomb		Bowl	s 10 portoe	Hand Auger	
						Push Probe 0	-	Plastic Liner	
Type/Construction	/			/		Mattocks			
Miscellaneous	Well Purg Xes - No	ing Form	/		<b>x</b>		JМ	C	
Sample Collection: <u>1130</u>	1	Sample Type: Co	- MI - (Grab/	/	Location:	Plotted or	Map - Staked in	Field	
Sample Depth: _ 2.25	T (below surfac	e) Decon: Dec	f MI, # of	increments taken: Each Day - Each	Location		Estimate	d - Measured -	Surveye
	T (OCION DUIME			Parameters		0	ther Para	meters	7
Field Parameters (at time of sample)		Ana	гупсат	rarameters					
PHD / FID Readings:		VOC				Corrosivity	/		
Background:	0.0 ppm	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	 ppm	Explosives (Selected)		Therloov	Ic and In	Ignitability	<u> </u>		
Water Level	FT	Metals (Selected)	12	TINT (RDX	75 10104 108				
				+++/ROX	- 20				
Temperature	ĉ	Perchlorate					QA San		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID	$\sim$		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants	_			Trip Blank ID			NA
Turbidity	N.T.U.						segi kom d		
moist B	Sampl	e Description	gra	.ve /	Split Sampl		Sample		/
		1 1	0					- /	/
YLefusal	2.25	15 10/22/			Name:				
					Agency/Con	праву:		/	
					Address:		1		
;			••			/	1		
Soil sample description shou		Conting Diantisity 16-	inter-		QA/QC Pro Parameters	wided: MS/MSD - Duplicate : Same as Above - As	- Trip Blanks Listed	- Field Blanks	
Munsell Color Odor S	-	: Sorung Fusilicity MO	131 <b>4</b> fC						
Water sample description sho									
Color Odor Sheen T	urotally				1				
	<b>~ ~ /</b>	(				- Gun	/aners		
Logged By: Xavic	n Sule	(Please Print	:)		Revi	iewed by:	6 VIVIN	Date: _/(	(Please P

Location ID:3 <u>+</u> Date: 4 / 4 / 2	EB4 - SB	-640-5N-0	Field	Sampling Re 50 x 10/74/00	port >	RVAAP LL 2, 3, an	d 4 Sub-Slab	Sample, Raver	ma, (
Date: 4/4/0	<u>(</u>			0					
			Sam	pling Informat	ion				
Source	/ Grou	ndwater / Product /		Surface Wate	. /	Soils	/ Sediments /	Sludge	
Method	Bailer		Sampl	e Bottle		Scoop	Т	rowel	
	Pump		Bacon	Bomb	Ζ	Bowl	E	and Auger	
				1		Push Probe	PATOB P	lastic Liner	
Type/Construction				- / -		Mattocks			
Miscellaneous	Well Purg Xes - No	ing Form	/	/			JMC		
Sample Collection: 1195 Mart 0-2.75 Sample Depth: 2.75	hrs	Sample Type: Cor If Decon: Deco	MI, # of	- MI - Grab increments taken: Each Day - Each I	Location	Location:	Plotted on M	ap - Staked in Fi	
Field Parameters			ytical l	Parameters		0	ther Param	eters	
(at time of sample) PID / FID Readings:		voc				Corrosivity		1	
Background:	0.0 ppm	svoc	0			Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	X	- TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)	X	Fixer					
Temperature	ۍ ۳	Perchlorate					QA Sampl	es	_
Sp. Conductance:	νMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank 10			NA
Turbidity	N. <b>T</b> .U.								
moist, br	Şampi Sun Si Lti	le Description	avel	· · · · · · · · · · · · · · · · · · ·	Split Sampl		Sample		/
Repist	1 @ 2.75	15 10kg			Name:			/	
					Agency/Cor	ndan <b>v:</b>		$\ell$	
					Address:		-/		
<u></u>							/		
						/			
Soil sample description sho	uld include:				04/0C P	wided: MS/198D - Duplicate	- Trin Blanks - F	ield Blanks	
		e Sorting Plasticity Moi	sture			: Same as Above - A			
Water sample description s.	· -								
Color Odor Sheen									
Color Outer Sheen				,					
	10 S 1 1					a Stak	Leven		(Please
Logged By: VAU.	er Satela	(Please Print)	•			Afren VII	Hra P		-
Signature:	- Dow	<u> </u>			Si	gnature: <u>/ (()) - ()</u>			<u> </u>

Location ID: <u>3 E B</u> Date:4   4   4	4-5B-	041-5N-600	Field	Sampling Re	port		RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Rave	ппа, ОН
Date:4/4/1	00		ζ							
				apling Informat					· · · · · · · · · · · · · · · · · · ·	
Source 1	Grou	ndwater / Product /		Surface Wate	tera de la com	/	Soils /	Sedimer	nts / Sludge	
Method	Bailer		Samp	le Bottle	7		Scoop		Trowel	
	Pump	$- \wedge$	Bacor	n Bomb			Bowl		Hand Auger	
				1			Push Probe	100	Plastic Liner	i
Type/Copstruction	/	/		1			Mattocks			
Miscellaneous	Woll Purgi	ing Form					n	س ل	nC	
Sample Collection: 1200 to	Yes - No	Sample Type: Co		- MI -( Grab /	<del>)</del>		Location:	Plotted o	n Map -Staked in F	jeld
Sample Collection: 200 h M (mCW) - 4 FI Sample Depth) - 4 FI	rs f (below surfac	If	MI, # o	f increments taken: _ Each Day - Each ]	ocation		~~~~	Estimate	ed - Measured -	Surveyed DPS
				Parameters			 	er Par	ameters	<u> </u>
Field Parameters (at time of sample)		Ana.	yucai	rarameters				<u></u>		<u> </u>
PID / FID Readings:		VOC					Corrosivity			
Background:	б. д <sup>ррт</sup>	SVOC					Reactivity Sulfide/Cyar	ide		
Sample:	ppm	Explosives (Selected)	~	TNT/ROX			Ignitability			
Water Level	FT	Metals (Selected)		1. ~						
Temperature	r	Perchlorate					(	)A San	nples	
Sp. Conductance:	uMHOs	PCBs	-				MS/MSD	Yes / N	0	NA
рН	បល់ទេ	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID			NA
Redox Potential	mV	Propellants					Trip Blank 1D			NA
Turbidity	N.T.U.						1			
moist p	Sampl	e Description			Split Sa	mple	Split S	ample		$\square$
		······································			Name:				/	
					Agency	/Соп	ipany:			
					Addres	s:		/	1	
								/		
Soil sample description should							vided: MS/MSD - Duplicate - Same as Above - As I		- Field Blanks	
Munsell Color Odor Sta		Sorting Plasticity Mot	sture				1			
Water sample description shou						1				
Color Odor Sheen Tu	urbidity				1					
in the state	r Sstol	) m n				Dorr	ewed by: SHAM	Lava	<u>~≫∧</u>	(Please Pri
Logged By: YAUIS	Solat	(Please Print	)				ewed by:		Date: 160	
Signature:	<i>,,,,,,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · · · · · · · · · · · · ·				31g			Date. <u>coro</u>	
						0	C. 10 10/20	108		
							U .			

Location ID: $\frac{LL3 \not\in B}{Date:}$	-4-5B	- 0445N-600	<b>Field</b> 21 - 50	Sampling R	eport	RVAAP LL 2, 3, and	t 4 Sub-Sl	ab Sample, Raver	ппа, ОН
Date: 4/4/08				0					
			San	npling Informa	tion	······································			
Source	Grou	ndwater / Product		Surface Wat	er //	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Samp	le Bottle	4	Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl	Side / Ta	Hand Auger	_
						Push Probe 357	openting	Plastic Liner	V
Type/Construction						Mattocks		·	
Miscellaneous	Well Purgi Yes - No	ng Form	/	<u></u>			JМ	C	
Sample Collection: <u>140°</u> hr: M-[604% - <u>3</u> FT Sample Depth? FT		Location	Location:	Plotted on Estimate	n Map Staked in F ad - Measured S	ield Surveyed GRS			
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Para	ameters	/
PID / FID Readings:		VOC				Corrosivity			
Background: Ü	)	SVOC	-			Reactivity Sulfide/Cya	anide		
Sample:	ppm	Explosives (Selected)	1	TNTIROX	-	Ignitability	<u></u>		
Water Level	FT	Metals (Selected)	<u></u>	1 ~ . Thex					
Temperature	<del>ر</del>	Perchlorate					QA San	ples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
moist	Sampl brown	e Description 5, Lty Sundy	1 - 1	ravel	Split Sampl		Sample	. /	
Petusa	C 3'	10/24			Name:			/	
		0 '			Agency/Cor	npany:	1	1	
					Address:		1		
						/			
Soil sample description should i	include:				OA/OC P	wided: MS/MSD - Duplicate	Trie Blast	- Field Blanks	
Munsell Color Odor Stai		Sorting Plasticity Moi	sture		QA/QC Pro Parameters			- 17694 DIBINS	
Water sample description shoul						I =			
Color Odor Sheen Tur									
Logged By: Kasier Signature: Yun S	Sotels tis	(Please Print)	1			iewed by: <u>SAN</u> , gnature: AM	Lin	<u>n</u> Date: <u>/// 0</u>	_(Please Print)
						DC- 15 10			

Location ID: <u>[3 &amp;</u> _] Date: 4/4/0	<u>{</u>		y	5 191					
				pling Informat					
Source /	Grou	ndwater / Product /		Surface Water	r /	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Sampl	e Bottle	$\boldsymbol{X}$	Scoop		Trowel	
	Ритр		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe	10/24/00	Plastic Liner	٤
Type/Construction				1		Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form	1	7			JN	ηC	
Sample Collection: 1412 K/(w et a) Sample Depth: 2.16			MI, # of	- MI - Grab increments taken: Each Day - Hach I	Location	Location:	Plotted on Estimate	Map - Staked in d - Measured	Field
Field Parameters (at time of sample)			ytical I	Parameters		Ot	her Para	meters	/
PID / FID Readings:		VOC				Corrosivity			
Background:	${\cal O}$ . ${\cal O}$ ppm	SVOC				Reactivity Sulfide/Cya	anide		
Sample:	ppni	Explosives (Selected)	K	TNT ROX	V	Ignitability			
Water Level	FT	Metals (Selected)		1					
Temperature	r	Perchlorate			<u> </u>		QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	,	N
рН	units	Nitrate / Nitrite	1			Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID		··	NA
Turbidity	N.T.U.								
	Sample brown al C 2.112	e Description $5 \cdot V + y = 54 n D$ $\hat{H} = \sqrt{4 \cdot 15 k - 4}$	w/;	pravet-	Split Samp Name:	e D:	Sample	1	
	-				Address:				
Soil sample description shou Munsell Color Odor S Water sample description sho	Staining Texture	2 Sorting Plasticity Moi.	sture			wided: MS/MSD_Duplicate :: Same as Above - As		- Field Blanks	
Color Odor Sheen S						Clair I			
Logged By: XAU.25	Sotel. Stile	(Please Print)	•			iewed by: <u><u><u></u><u></u><u><u></u><u></u><u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u>	MA	9 Date: //	 OCTO

Location ID: $L + 3 E =$ Date: $-4/4/2$	84-5 8	<u>B - 0435N</u> -	Field 1001	Sampling Ro	eport	RVAAP LL 2, 3, and	l 4 Sub-S	ilab Sample, Rave	enna, OH
				apling Informa			-		
Source /	Grou	ndwater / Product	<b>/</b>	Surface Wate	я      /	Soils	/ Sedime	nts / Sludge	
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
	Pump		Bacor	1 Bomb	/	Bowl		Hand Auger	
						Push Probe	<u>Ioizui</u>	B Plastic Liner	i/
Type/Construction		<u></u>		1		Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form	/					UMC	
Sample Collection: $\frac{1433}{1.9}$ hrs M / 64X of $0 - 1.9$ FT Sample Depth:, 9 FT		Sample Type: Cor If Decon: Ded	ML, # o.	- MI - Grab f increments taken: Each Day Each	Location.	Location:	Plotted o Estimat	m Map Staked in ed - Measured -	Fiéld' Surveyed,
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background: 4	ク.ン <sub>ppm</sub>	SVOC	1			Reactivity Sulfide/Cya	mide		
Sample:	ррт	Explosives (Selected)	1	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	r	Perchlorate					QA Sai	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	10	NA
рн	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse IB			NA
Redox Potential	٧an	Propellants				Trip Blank ID			NA
Turbidity	n.t.u.					-			
proist pr.		e Description <i>Cty sand ty</i>	1/au	<i>le [</i>	Split Sampl	e D:	Sample		<u> </u>
		0			Agency/Cor	пралу:		/	
				<del>.</del>	Address:		1		
						/	<u>[</u>		
Soil sample description should i	include:					wided: MS/MSD - Duplicate		s – Field Blanks	
Munsell Color Odor Stai	ining Texture	Sorting Plasticity Moi	sture		Parameters	: Same as Above - As	LISTED		
Water sample description shoul	d include:					/			
Color Odor Sheen Tur	bidity								
							110-		
Logged By: XAJ:4 Signature: Y	So telo	(Please Print)	I			iewed by:	NA	Date: ///	_(Please Print) ) CHOK
<u> </u>					Ć	RC- 12 10	pyk	)6	

Location ID: <u>LL3 FB</u> Date: <u>7/9/08</u>	4 - 51	<u>3-052</u> 5N-c	Field	Sampling R	eport	RVAAP LL 2, 3, an	d 4 Sub-Sla	ab Sample, Ravenn	ы, OH
			San	npling Informa	tion				
Source /	Grou	ndwater / Product		Surface Wat		Soils	s / Sediment	s / Sludge	
Method	Bailer		Samp	le Bottle	1	Scoop		Trowel	
	Pump		Baco	n Bomb	/ -	Bowl		Hand Auger	-
				$\overline{}$		Push Probe	100	Plastic Liner	
Type/Construction		/		-/		Mattocks	0	<u>0415K</u>	-
Miscellaneous	Well Purg Xes - No	ing Form	/	/			Jm	L	
Sample Collection: <u>1515</u> hrs /_\lout 0\ 0 - 4 FT Sample Depth: FT	-		MI. # o	- MI - Grab f increments taken: - Each Day - Each	Location	Location:	Plotted on Estimated	Map - Staked in Fie 1 - Measured - Su	là rveyed D
Field Parameters (at time of sample)		Anal	ytical	Parameters		O	ther Para	meters	
PID / FID Readings:		VOC				Corrosivity			
Background:	), 🗘 🖓 ppm	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	opm	Explosives (Selected)	1	TNT/RDX		Ignitability			
Water Level	FT	Metals (Selected)		1					
Temperature	°C	Perchlorate					QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	-	[	NA
Redox Potential	тV	Propellants			·	Trip Blank ID		]	NA
Turbidity	N.T.U.								
moist b	Sampl	e Description Lty Sand wf	l gra	vel	Split Sampl		Sample		$\square$
· · · · · · · · · · · · · · · · · · ·					Name:			/	
					Agency/Cor	npany:		/	
					Address:		1		
Soil sample description should i Munsell Color Odor Stai Water sample description shoul Color Odor Sheen Tur	ining Texture d include:	e Sorting Plasticity Moi	sture		QA/QC Pro Parameters	vided: MS/M8D - Duplicate : Same as Above - As		- Field Blanks	
Logged By: VAUIE	r Sofe	(Please Print)	)		Rev	iewed by: <u>Stan</u>	fever	<u> </u>	Please Print)
Signature:	ster					gnature:	Long	Date: /60 C	tos_
					(	DC- 18 10	12-11-08	. ·	

Location ID: <u>LL3E</u> Date: <u> </u>	۶				٥°						
					pling Informa						
Source	Grou	ndwater / Produ	ict		Surface Wate	r	/	Soils	/ Sedime	nts / Sludge	
Method	Bailer		$\mathbf{r}$	Sampl	e Bottle	/		Scoop		Trowel	
	Pump			Bacon	Bomb	7		Bowl		Hand Auger	
								Push Probe	S Oint	Plastic Liner	
Type/Construction	/	/	- <u>I</u>		1			Mattocks			
Miscollaneous	Well Purgi	ng Form		1	/					UMC	
/	yes - No			<u> </u>				· · · · · · · · · · · · · · · · · · ·		n Map Staked in	
Sample Collection: <u>1535</u> h M /koCpX Sample Deptil: <u>29</u> F	ırs f (below surfac		Fype: Con	- MI - Grab increments taken: Each Day - Rach	Location		Location:	Estimat	ed - Measured	Survey	
Field Parameters					Parameters			Ot	her Par	ameters	
(at time of sample)			Anar			1					
PID / FID Readings:	\	VOC				<u> </u>		Corrosivity		$\square$	
Background: C	$\mathcal{F}.\mathcal{O}$ ppm	svoc						Reactivity Sulfide/Cy	mide	ļ.	
Sample:	ppm	Explosives (S	elected)	1	TNT/ROX			Ignitability			
Water Level	FT	Metals (Select	ted)								
Temperature	°C	Perchlorate							QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs						MS/MSD	Yes / N	10	NA
рН	units	Nitrate / Nitri	te					Duplicate ID	/		NA
Dissolved Oxygen	Mg/L	TPH DRO / H	IRO					Equipment Rinse ID			NA
Redox Potential	Wan	Propellants						Trip Blank ID			NA
Turbidity	N.T.U.										
	Sampl	e Description	, 54 h	1			a - 1		Sample		1
ja u. c	ST brown	s, cry	941	. 0		Sput	Sampl				<u>/</u>
Ref	vsale 2	9' }	10/24	ወሬ		Nam	83				
						Agen	cy/Con	npany:		1	
						Addr	ess:		1		
									/		
Soil sample description should	include:							vided: MS/MSD - Duplicate		s - Field Blanks	
Munsell Color Odor Sto	uining Texture	Sorting Plast	icity Mois	sture		Рага	meters	: Same as Above - As	Listed		
Water sample description show	ıld include:										
Color Odor Sheen Tu	urbidity						/				
Logged By: VAU, U	Sitelo		ase Print)				Revi	ewed by: 54	1/2	verg .	(Please
Signature:	Soth	- -					Si	mature:	lig	Date: _/(	ioch

							·····			
Location ID: $LL3 ET$ Date: $4/4/07$	364-	SB-082	5N -1	Field	Sampling Re	eport	RVAAP LL 2, 3, and	1 4 Sub-SI	ab Sample, Rave	anna, OH
<u></u>				Sam	pling Informat					
Source /	Grou	ndwater / Produc	t /		Surface Wate		Soils	/ Sedimen	ts / Sludge	
Method	Bailer	ļ		Sampl	e Bottle	$\mathbf{X}$	Scoop		Trowel	
	Pump			Bacon	Bomb		Bowl		Hand Auger	
							Push Probe	V log	Plastic Liner	
Type/Construction	/				1		Mattocks			
Miscellaneous	Well/Purgi Yes - No	ing Form		/				UN	nC	
Sample Collection: <u>1640</u> hr A (0000 - 4 FT Sample Depth? - 4 FT			If N	∕Л, # of	- MI - Grab increments taken: Each Day Each I	Location>	Location:	Plotted or Estimate	n Map - Staked in d - Measured -	Eield Surveyed
Field Parameters (at time of sample)			Analy	tical ]	Parameters		Ot	her Para	ameters	
PID / FID Readings: 2	5.) ppm	VOC .					Corrosivity			
Background: C	) • ८ <b>, y</b> pm	svoc					Reactivity Sulfide/Cya	anide		
Sample:	ррт	Explosives (Sel	ected)	V	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected	d)	1						
Temperature	r	Perchlorate						QA San	nples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	°	NA
рН	units	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HR	10	•			Equipment Rinse ID			NA
Redox Potential	mV	Propellants					Trip Blank ID			NA
Turbidity	N.T.U.							· · · · · · · · · · · · · · · · · · ·		
Soil sample description should to Munsell Color Odor Stail Water sample description should Color Odor Sheen Tur Logged By: <u>YAVAC</u> Signature: <u>YAVAC</u>	include: ining Texture Id include: rbidity			<u>pravel</u>	Parameters	e ID: npany: vided: MS/M8D - Duplicate : Same as Above - As ewed by: <u>pt/I/N</u> gnature: <u></u>	Listed ferrer	S Date:	(Please Print) OCHO/	
					:	U		5/24/8		
				· .	en anteres a como a		1 A A			

Location ID: <u>LL3EB/</u>	U-5B-	02/54-000/-3	<b>Field</b>	Sampling Re	port	RVAAP LL 2, 3, an	d 4 Sub-Si	lab Sample, Rave	enna, OH
Date: 4/7/07		· ·	188	+ ogApr					
				pling Informat	ion				
Source /	Grou	ndwater / Product		Surface Wate	r /	Soil	s / Sedimer	its / Sludge	
Method	Bailer		Sampl	e Bottle	/	Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl	and	Hand Auger	
				1		Push Probe	N.	Plastic Liner	2
Type/Construction	/	/		/		Mattocks			
Miscellaneous	Well/Purgi Yes - No	ng Form	/					JMC	
Sample Collection: 1600 hrs 1 10000 3 - 1.66 FT Sample Depth: - 1.66 FT									
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background: O	. <i>О</i> ррт	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	V	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	r	Perchlorate					QA San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	n.t.u.				Sector April 199				
Pry brown s.	Sample, $L \neq \varphi \in C_{1}$	e Description			Split San	the second s	t Sample		
privia @	. l. ( <i>oly</i> '	JS 10/24			Name:				
					Agency/	Company:		/	
· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·			-/		
							/		
Soil sample description should i Munsell Color Odor Stai		e Sorting Plasticity Moi	isture		QA/QC Paramet	Provided: MS/MSD - Dynscate ers: Same as Above - A	- Trip Blanks s Listed	s - Field Blanks	
Water sample description shoul						- /			
Color Odor Sheen Tur	rbidity					-			
Ya dag	Saler					eviewed by: <u>Stan</u>	terver	5	(Please Print)
Logged By: XAVIER Signature:	J C SA	(Please Print	)		F	Signature:	Luch	<u>)</u> Date: 01	Apo 8
						QC- ys 107	DITUB	,	

Location ID: <u>LL3EB</u> Date: <u>4/7/08</u>	0 -5B	- 0265N-000	Field ∽∽ ↑	Sampling Ro	eport	RVAAP LL 2, 3, and	1 4 Sub-S	lab Sample, Rav	venna, OH
Date: 4/7/08			)	PorAp				· · · · · · · · · · · · · · · · · · ·	
	r		Sam	pling Informa	tion				<u> </u>
Source	Grow	ndwater / Product		Surface Wate	* /		/ Sedimer	nts / Sludge	
Method	Bailer		Sampl	e Bottle	$\square$	Scoop		Trowel	
	Pump		Васоп	Bomb		Bowl	-1/12-41	Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Weil Purgi Yes - No	ing Form						Jmc	
Sample Collection: <u>6920</u> hrs A [fotter > 0 - <u>3</u> , 25 FT Sample Depth: <u>3</u> , 25 FT	s (below surfac	Sample Type: Co I e) Decon: De	f MI, # of	- MI - Grab increments taken: Each Day - Each	Location	Location:	Plotted o Estimate	n Map - Staked in ed - Measured -	Surveyed GP 5
Field Parameters (at time of sample)		Апа	lytical	Parameters		0	her Par	ameters	
PID / FID Readings:	<i>(</i> , )	VOC				Corrosivity			
Background:	(j · U <sub>ppm</sub>	SVOC				Reactivity Sulfide/Cy	anide	1	
Sample:	ppm	Explosives (Selected)	1/	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	ĉ	Perchlorate					QA Sar	nples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite	_			Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mν	Propellants				Trip Blank HD	••••		NA
Turbidity	N.T.U.								n
Dry brown s	Samplesilly di	le Description			Split Sam		Sample		/
- Africal C	3.26'	15 10/14/6B			Name:				
•		J .			Agency/C	mpany:		/	
					Address:		//		
Soil sample description should i					QA/QC P Paramete	rovided: MS/MSD - Duplicate rs: Same as Above - As	- Trip Blanks Listed	s – Fjeld Blanks	
Munsell Color Odor Stai		e Sorting Plasticity Me	oisture						
Water sample description shoul									
Color Odor Sheen Tur	roidity								
						viewed by: 0 Stal	Then	en C	(Please Print)
Logged By: <u>XAV:er</u> Signature: <u>Vuic</u>	Sert	(Please Prin	t)			viewed by: 54		V Date: 0°	
						(or he his	41.00		
						QC- / S 10/20	UB		

Location ID: <u>3 EB10</u> Date:4 / - 7 / 0 5	0-5B-	0183N-50	500	Field	Sampling Ro	eport *		RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Raven	na, OH
					pling Informa						
Source /	Grou	ndwater / Product	/		Surface Wate	r	/	Soils	/ Sedime	nts / Sludge	
Method	Bailer	/		Sample	e Bottle	/		Scoop		Trowel	
	Pump			Bacon	Bomb	Ζ		Bowl		Hand Auger	
								Push Probe 👌	10/24	Plastic Liner	1-
Type/Construction	/				1			Mattocks			
Miscellaneous	Well/Purgi Yes - No	ng Form		/	Γ				Jr	IC ···	
Sample Collection: 0955 hrs POUT 90 - 3.66 Sample Depth:FT	(below surfac	Sample Typ e) Decon:	e: Con If I Deali	nposite MI, # of	- MI - Graby increments taken Each Day - Each	Location	198	Location:	Plotted o Estimat	n Map - Staked in Fit ed - Measured - Si	eld urveyed
Field Parameters (at time of sample)			Analy	ytical l	Parameters			Ot	ner Par	ameters	
PID / FID Readings:		VOC						Corrosivity			
Background:	ppm (ر.(	svoc						Reactivity Sulfide/Cya	nide		
Sample:	ррт	Explosives (Selec	ted)	$\checkmark$	TNT/ROX			Ignitability			
Water Level	FT	Metals (Selected)	1								
Temperature	°C Perchlorate								QA Sar	nples	/
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	lo	NA	
рН	units	Nitrate / Nitrite						Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	)					Equipment Rinse ID			NA
Redox Potential	тV	Propellants						Trip Blank ID			NA
Turbidity	N.T.U.										- 1
Dry brown	Sampl S. Lty C	e Description				Split	Sampl		Sample		$\angle$
	3.64	VS 10/24/15	3			Name					
						Agen	cy/Con	npany:			
						Äddr	ess:				
Soil sample description should i Munsell Color Odor Stain Water sample description should Color Odor Sheen Tur	ning Texture d include:	Sorting Plasticit	y Mois	sture		QA/Q Parai	IC Pro neters	vided: MS7MSP - Duplicate - : Same as Above - As	Trip Blank Listed	s - Field Blonks	
Logged By:	Sotul.	(Please	Print)					iewed by: STAN gnature: STAN	lev M	Date: <u>69</u> A	(Ptease Print)
							QC	- 18 W/2	1/0B		

and the second second

- 113ER	1n -< R	-6255N-50	Field	Sampling R	eport	RVAAP LL 2, 3, and	4 Sub 6	lah Samula Pava	
Location ID: $\frac{1}{243EB}$		<		sto	rp	RYAAT LL 2, 3, and	- 640-8	ino Gampie, Nave	
Date:/ 7/ 0./									
			San	npling Informa	and the second				
Source		ndwater / Product		Surface Wate	er /		Sedime	nts / Sludge	<u> </u>
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
	Pump		Bacor	Bomb		Bowl	d 1500	Hand Auger	
						Push Probe	1010	Plastic Liner	~
Type/Construction						Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form	/					UMC	
Sample Collection: 100 hrs	5	Sample Type: Co	mposite	- MI - Grab	5 10/24/00	7 Location:	Plotted o	n Map - Staked in F ed - Measured - Staked in F	ield
Sample Depth Q-4FT	(below surfac	e) Decon: Dec	f MI, # of licated -	f increments taken: Each Day - Each	Location		Estimati	ed - Measured -	<u>Ges</u>
Field Parameters (at time of sample)		Ana	lytical	Parameters		Ott	er Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	C.J. ppm	SVOC				Reactivity Sulfide/Cyan	nide		
Sample:	ppm	Explosives (Selected)		TNTROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate					QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	10	NA
рН	បរផ្ទាំង	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
pry priva	Sampl 5 i L + y	e Description			Split Samp	the state of the second water in the state of the second second second second second second second second second	ample		/
······					Name:				
					Agency/Co	mpany:		/	
······································					Address:		7	1	
							f		
Soil sample description should i	include:					ovided: MS/MSD - Daplicate -		s - Field Blanks	
Munsell Color Odor Stai	ning Texture	e Sorting Plasticity Mo	isture		Parameters	s: Same as Above - As	isted		
Water sample description shoul	d include:					<u> </u>			
Color Odor Sheen Tur	bidity								
					1				
Logged By: KAVier 5	otels	(Please Print	t)		Rev	riewed by:	lanc	y -	_(Please Print)
Signature:	Sota				Si	ignature In No	4	Date: 09/	por
				· · ·	R	C - 18 107	1 lo	Ъ	
						V			

Location ID: <u>223EB</u> Date: <u>4/7/08</u>	0-5B-	· 0/65N-50-00	Field	Sampling Ro	eport o l	RVAAP LL 2, 3, and	t 4 Sub-Sl	ab Sample, Rave	nna, OH
Date: 4/7/09	-			pp or up					
				pling Informat					
Source	Grou	ndwater / Product /		Surface Wate	r /	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Samp	le Bottle	X	Scoop		Trowel	
	Ритр		Bacor	1 Bomb	7 🔽	Bowl		Hand Auger	
						Push Probe	214/02	Plastic Liner	
Type/Construction				/		Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form	/	/				JMC	
Sample Collection: $\frac{33}{3}$ hrs	3	Sample Type: Con If	nposite MI, # ol	- MI - Grab	13 10/24/2	6 Location:	Plotted or Estimate	Map - Staked in I d - Measured -/	Surveyed
Sample Depth - 4 FT	(below surfac	e) Decon: Dec	icated -	Each Day - Each	Location `				
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Para	ameters	$\leq$
PID / FID Readings:		VOC				Corrosivity			
Background: (	9-0 ppm	SVOC				Reactivity Sulfide/Cy.	anide		
Sample:	ppm	Explosives (Selected)	V	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)		·					
Temperature	<u>ີ</u> "ເ	Perchlorate					QA San	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	<u> </u>	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO			ļ	Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								1
Brown	Sampl Siliy cl	e Description			Split Sampl		Sample		
					Name:			/	
	• ••••			······································	Agency/Co	mpany:		/	
					Address:		/		
							/		
Soil sample description should i					QA/QC Pro Parameters	wided: MS/MSD - Duplicate s: Same as Above - As	- Trip Blanks Listed	- Field Blanks	
Munsell Color Odor Stai		e Sorting Plasticity Moi	sture						
Water sample description shoul					1				
Color Odor Sheen Tur	bidity								
Logged By: XAVIEr So	te la	(Please Print	)		Rev	iewed by: <u>SH</u>	n/a	vers	(Please Print)
Signature:	Sita	(= 10000 = 1100				ignature: Amy	3n-	Date:	2 April
				··· · · · · · · · · · · · · · · ·	¢	71 - 14	10h	4/08	
					Ĺ	50 88	1010		

Location ID: <u>LL3</u> EB	10 -573	3-0175N-52	Field	Sampling Ro	eport	RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Raven	na, OH
Date: 4/7/04							<u></u>		
			San	pling Informa	tion				
Source /	Grou	ndwater / Product		Surface Wate	er /	Soils /	Sedimer	its / Sludge	
Method	Bailer		Samp	e Bottle		Scoop		Trowel	
	Pump		Васог	Bomb		Bowl		Hand Auger	
						Push Probe	-	Plastic Liner	1
Type/Construction	/	/		f		Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form	/					UMC	
Sample Collection: 115 hrs		Sample Type: Cor	nposite	- MI - Grab	ys 10/2 - 101	レーレー しocation:	Plotted o	n Map Staked in Fi	स्रोते
Sample Depth: FT			WH. # UI	increments taken: Each Day - Each			Estimate	n Map Siaked in Field - Measured Si	erveyed OPs
Field Parameters (at time of sample)			ytical	Parameters		Ott	er Par	ameters	
PID / FID Readings:	~	VOC				Corrosivity			
Background:	()-0 ppm	SVOC				Reactivity Sulfide/Cya	nide		
Sample:	ррт	Explosives (Selected)	~	TNT/ROX		lgnitability			
Water Level	FT	Metals (Selected)							
Temperature	ĉ	Perchlorate					QA Sar	nples	
Sp. Conductance:	UMHOs PCBs					MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants	_			Trip Blank ID			NA
Turbidity	N.T.U.								
B/	Sampl	e Description 144 C / 44			Split Samp	とうしょう ふんがい ひつびせい おとびあたいちゃんみつちん 豊 ななんだい	Sample		/
		/ 1			Name:				
					Agency/Co	пралу:			
					Address:		1	e	
							<u>/</u>		
									na 1897 na 1 Na Santa Na Santa
Soil sample description should i	nclude:					wided: MS/MSD - Duplicate		s - Field Blanks	
Munsell Color Odor Stai	ning Texture	Sorting Plasticity Mol	sture		Parameters	s: Same as Above - As	LISICO		
Water sample description shoul	d include:					7			
Color Odor Sheen Tur	bidity								
						······································	7		
Logged By: <u>XAULER</u> Signature: <u>XA</u>	Solela Solut	(Please Print	)			iewed by: 1. Stall	Leve My	<u>NG</u> Date: <u>_09</u>	(Please Print)
				<u> </u>		QC - 13 1:	المزماد	م <sup>ر</sup> ان	
					Ĺ	x ys to	1-1		
						,			

Location ID: <u>1.1.3 F.B.</u> Date: <u>4/7/08</u>	10-5B-	-0195N-5J_0t	Field	Sampling Ro	eport	RVAAP LL 2, 3, and 4	Sub-Sl	lab Sample, Raver	ша, ОН
Date: 4/17/08				1 Sa Apr					
				pling Informa		· · · · · · · · · · · · · · · · · · ·			
Source /	Grou	ndwater / Product		Surface Wate	× /	Soils / S	Sedimer	nts / Sludge	
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
	Pump		Bacor	1 Bomb		Bowl		Hand Auger	
						Push Probe	10/20	Plastic Liner	-
Type/Construction				7		Mattocks			
Miscellancous	Well Purgi Yes - No	ng Form						UMC	
Sample Collection: <u>1340</u> hrs <i>J</i> L <i>J</i> L <i>J</i> L Sample Depth <u>- 3.45</u> FT	s	Sample Type: Con If	mposite MI, # of	- MI - Grab f increments taken Each Day - Each	ps 10proloc	2 Location: P	lotted o Estimate	n Map - Staked in Fi ed - Measured - 8	ield turveyed
Field Parameters (at time of sample)				Parameters				ameters	/
PID / FID Readings:		VOC	<u> </u>			Corrosivity		$\Box$	
-	り、し <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cyani	de		
Sample:	ppm	Explosives (Selected)	V	TWT/ROX		Ignitability	<u> </u>		
Water Level	FT	Metals (Selected)							
Temperature	r	Perchlorate				Q	A San	nples	
Sp. Conductance;	uMHOs	PCBs				MS/MSD Y	es / N	•	NA
рН	units	Nitrate / Nitrite				Duplicate ID	_		NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity /	N.T.U.						No. or 1995		1
Dry browns, i de bais	Sample Lty clay	e Description w/cobbles at	nd C	onstruction	Split Sampl	Split Sa le D:	mple		
jugusal @	3.451	X5 16724			Name: Agency/Coi				
		<u> </u>			Agency/Co	*******		/	
							/		
Soil sample description should i	include:				QA/QC Pro	wided: MS/MSD - Duplicate - 1 :: Same as Above - As L	rip Blanks	- Fjeld Blanks	
Munsell Color Odor Stai	ning Texture	e Sorting Plasticity Mo	isture		rarameters	Salle as Apove - AS L	aicu		
Water sample description should	d include:								
Color Odor Sheen Tur	bidity			٢	7				
Logged By: AVier	So ta lo	(Please Print	)	······································	Rev	iewed by: 05ta M	lever	<b>V</b>	_(Please Print)
Signature:	- St	 	•	8 -		gnature: AMS	NON	) Date:	April
		······			1	DC - 18 101	2011	0B	
					,		-1		

Location ID: <u>3EB10</u> Date: <u>4/7/88</u>	-58-0	524 SN -000 /5	Field	Sampling Ro	eport	RVAAP LL 2, 3, and	4 Sub-S	llab Sample, Raven	па, ОН
w/al.c		· ` ` ` ` ` ` ` ` ` `	Å	for					
Date:77_77_8									
	· · · · · · · · · · · · · · · · · · ·	/	San	pling Informa			0 1		
Source		ndwater / Product		Surface Wate	× /		Sedime	nts / Sludge	
Method	Bailer		provensti. Nga sangar	e Bottle		Scoop			_
	Pump		Bacon	Bomb		Bowl Push Prohe	1072	Hand Auger	_
	/							Plastic Liner	
Type/Construction				1		Mattocks		JMC	
Miscellaneous	Well Purg Yes - No		1						
Sample Collection: <u>1400</u> hrs h 1706W 7 - <u>3.15</u> FT Sample Depth? - <u>3.15</u> FT	s (below surfac	Sample Type: Con If Decon: Deco	nposite MI, # ol icated -	- MI - Grab increments taken: Each Day - Each	D 10puloo	Location:	Plotted o Estimat	on Map <u>Staked in Fi</u> e ed - Measured St	eld urveyed SPS
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Par	rameters	_
PID / FID Readings:		VOC				Corrosivity		1	
Background:	).0 ppm	svoc				Reactivity Sulfide/Cyar	uide		
Sample:	ppm	Explosives (Selected)	V	+NT/ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature							QA Sai	mples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	ło	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank HD			NA
Turbidity	U.T.N.				1				Surgeonè-1931
Dry brown sit	Sampl	e Description	10	ensl, deuris	Split Sampl	Split S te ID:	ample	/	/
Repusal (	3.25	ys 10/24			Name:				
		· · · · · · · · · · · · · · · · · · ·			Agency/Con	npany:			
					Address:			1	
							1		
							/		
Soil sample description should i	include:				QA/QC Pro	wided: MS/MSD Duplicate -	Trip Blank	s - Field Blanks	
Munsell Color Odor Stai	ning Texture	e Sorting Plasticity Mo	sture		Parameters	:: Same as Above - As I	asted		
Water sample description shoul	d include:					/			
Color O <b>d</b> or Sheen Tur	bidity								
Logged By: <u>A vier</u> Signature: <u>Jun S</u>	Soto o	(Please Print	)			iewed by: SFAN gnature: AM	No	<u>Y</u> Date: <u>09</u>	(Please Print)
		······		·····				<del>)</del>	
						6c. ps 1072	-10	Ъ́	
С						V			

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Location ID: 11.2ER/	0-5B-	0235N-30 -000	<b>Field</b>	Sampling Ro	eport	RVAAP LL 2, 3, and	l 4 Sub-S	lab Sample, Rave	enna, OH		
Location ID: <u>[]]] 7 / 5 / 7 / 5 / 5 / 5 / 5 / 5 / 5 / 5 /</u>	<u>~~~~</u>		Ì Í 8	t a ford							
Date:						<u></u>					
			Sam	pling Informa		· · · · · · · · · · · · · · · · · · ·					
Source	Grow	ndwater / Product		Surface Wate	<u>r /</u>	Soils	/ Sedimer	nts / Sludge			
Method	Bailer		Sampl	e Bottle	4	Scoop		Trowel			
	Pump		Bacon	Bomb		Bowl	1012	Hand Auger			
						Push Probe	JS 1012	Plastic Liner	_i		
Type/Construction						Mattocks					
Miscellaneous	Well Purgi Yes - No	ing Form		/				UMC			
Sample Collection: 1505 hrs		Sample Type: Cor			<u></u>	Location:	Plotted o	n Map Staked in . ed - Measured -	Field		
Sample Collection: <u>1505</u> hrs - 1705 M - 26 FT Sample Depth: <u>26</u> FT	(below surfac			increments taken: Each Day - Each	Location		Estimate	ed - Measured - (	<u>OP</u>		
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Par	ameters	/.		
PID / FID Readings:		VOC				Corrosivity					
Background: O	, 9 ppm	svoc				Reactivity Sulfide/Cy	anide				
Sample:	ррт	Explosives (Selected)	~	TNTROX		Ignitability					
Water Level	FT	Metals (Selected)									
Temperature						QA Samples					
Sp. Conductance	uMHOs	PCBs				MS/MSD	Yes / N	10	NA		
рн	units	Nitrate / Nitrite				Duplicate ID			NA		
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	_/_		NA		
Redox Potential	тV	Propellants				Trip Blank ID		·	NA		
Turbidity	N.T.U.										
Brown S	Sampl	e Description			Split Sampl	<ul> <li>The second s second second se second second s</li></ul>	Sample				
Petrol	0. 3.10'	V3 (AM			Name:			/			
	<u> </u>				Agency/Cor	npany:		/			
					Address:		1				
						/					
						/					
Soil sample description should i	include:					vided: MSMSD - Duplicate :: Sapar as Above - As		s - Field Blanks			
Munsell Color Odor Stai	ning Texture	e Sorting Plasticity Moi	sture		1 at diliciel a						
Water sample description shoul	d include:										
Color Odor Sheen Tur	bidity										
Logged By: XAVier	Sofe1	) (Please Print)	)		Rev	iewed by: StaML	ever	fr			
Signature:	Stat	1				gnature Am	¥X	7 Date:	Haros		
· · · · · · · · · · · · · · · · · · ·											

Location ID: <u>LLJE</u> Date: <u>4/7/04</u>	BIN-513- 4	0145N-50 0	00\_	- 50 }	Sampling Ro	-	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rav	enna, Ol
Date:7/7/07					pling Informa	tion			<u></u>	
	7	ndwater / Product		5am	Surface Wate		Soils	/ Sedimen	its / Sludge	
Source Method	Bailer	nowater / Product	$\vdash$	Sample	Bottle	• V	Scoop	Τ	Trowel	
Menior				Bacon		-/-	Bowl		, Hand Auger	
	Ритр			Dacon			Push Probe	1 pryl	Plastic Liner	
					/					
Type/Construction					/		Mattocks		JMC	
Miscellaneous	Well Purg Yes - No	ing Form		/					VMC	
Sample Collection: 1830 A 170:402->0-4 Sample Depth:0-4	_ hrs FT (below surfac	<u>_</u>	If : Dedi	MI, # of icated -	increments taken:- Each Day - Each	Location	denlos	Estimate	n Map <u>Staked in</u> ad - Measured - (	Field
Field Parameters (at time of sample)			Analy	ytical I	Parameters		Ot	her Para	ameters	
PID / FID Readings:	1.5	VOC					Corrosivity			
Background:	0.0 ppm	svoc					Reactivity Sulfide/Cya	nide	1	
Sample:	ррт	Explosives (Sele	ected)	V	TNT/ROX		Ignitability			
Water Level	FT				11011111					
Temperature	 ົ							QA San	nples	
Sp. Conductance:	uMHOs					· · · · · · · · · · · · · · · · · · ·	MS/MSD	Yes / N	0	N/
рН	units	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HR	0				Equipment Rinse ID	/		NA
Redox Potential	۲an	Propellants					Trip Blank-ID			NA
Turbidity	N.T.U.			1						
DRY BROW	Sampl	le Description	bles	and	const	Split San	the second se	Sample		1
						Name:			/	
						Agency/(	Company:		/	
						Address:		/		
	_						/			
Soil sample description sho							Provided: MSAASD · Duplicate ers: Same as Above - As		- Field Blanks	
Munsell Color Odor		e Sorting Plastici	ity Moi.	sture						
Water sample description sl										
Color Odor Sheen	Turbidity									
- Vana	a Salata		na <b>D</b> .≓∧				eviewed by: <u>S</u>	n ler	very	_(Please
	· Sofelu	(Pleas	se Print)	1		ĸ	Alan.	JANK -	1 Date: 0	
	i Sit	t.					Signature:		A Date (1)	

$\frac{123EB4 + -}{\text{Location ID:} - EPAI}$ Date: $\frac{4/8}{0}$	<u>-Duper</u> 1	<u> </u>				RVAAP LL 2, 3, and	l 4 Sub-Sl	ab Sample, Rave	enna, C
Date:			San	pling Informa	tion				
Source	Grou	ndwater / Product		Surface Wate	e matrice and the 🖅	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Samp	e Bottle		Scoop	Scoop Trowel		
	Pump		Bacon	Bomb		Bowl	_	Hand Auger	
	F			-		Push Probe	e/	Plastic Liner	
Type/Construction		/		1		Mattocks			
Miscellaneous	Well	ing Form		/					
Sample Collection: 1510	Well, Purg Yes - No hrs FT (below surfac	Sample Type: Cor If	MI, # of	- MI - Grab increments taken: Each Day - Each	Location	Location:	Plotted or Estimate	h Map Staked in ] d - Measured -	Field> Survey
Field Parameters		Anal	ytical	Parameters		Ot	her Para	ameters	
(at time of sample) PID / FID Readings:		voc				Сопозічіту			
Background:	O.∪ <sup>ppm</sup>	svoc		· · · · · · · · ·	<u> </u>	Reactivity Sulfide/Cy	mide		
Sample:	- 5000			TNT/RDX		Ignitability			
Water Level				1-11/100-					
Temperature	°	Perchlorate					QA San	ıples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	»	N.
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	шV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.							· · · · · · · · · · · · · · · · · · · ·	
si'Lly co	Sampi ay pink	e Description residue Uh	der	untel	Split Samj		Sample		4
					Name:			/	
					Agency/Co	mpany:		_/	
					Address:			/	
	-			·					
Soil sample description shou	ld includo:								
		e Sorting Plasticity Moi	sture		Parameter	ovided: MS/MSD - Duplicate rs: Same as Above - As	- Inp Blanks Listed	- TICK BRIKS	
Water sample description sh	-								
Color Odor Sheen									
· · · · · · · · · · · · · · · · · · ·	Sotelo m SA	(Please Print	)			viewed by: <u>5700</u> Signature:	ever	Date: /0/	(Pleas APr (
Signature:	~ ~ ~ (					QC- 13.10			1

Location ID: $143EB4$ Date: $4/8/8$		<u>42-DUP</u> E	Field	Sampling Ro	eport	RVAAP LL 2, 3, and	l 4 Sub-Sl	ab Sample, Rave	enna, OH
Date: / A/			Sam	pling Informat	tion			<u></u>	
Source /	Group	ndwater / Product	Uali	Surface Wate	/	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
			- Maran I. Tanàna Maran	Bomb		Bowl		Hand Auger	
				-/		Push Probe		Plastic Liner	
Type/Construction		/		1		Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form	/					<u>I</u>	I
Sample Collection: 1515 hrs		Sample Type: Con	nposite	- MI - Grab		Location:	Plotted of	n Map Staked in	Field
Sample Depth (2 - / FT)	(below surfac			increments taken: _ Each Day - Each	Location		Estimate	a - Micasurcu -	Juiveyea
Field Parameters (at time of sample)		Anal	ytical	Parameters		Of	her Para	ameters	
PID / FID Readings:	G	VOC				Corrosivity			
Background:	б. <sub>д ррт</sub>	SVOC				Reactivity Sulfide/Cyz	mide		
Sample:	ppm	Explosives (Selected)	1	THT/RAL		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	۴C	Perchlorate		·			QA San	nples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	•	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved/Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N. <b>T</b> .U.								
<u> </u>	Sampl y clay i	e Description			Split Sampl		Sample		<u> </u>
					Name:				
					Agency/Cor	npany:	7	<u> </u>	
					Address:		$\neq$		
				· .		/			
Soil sample description should i	nclude:				QA/OC Pro	wided: MS/MSD Duplicate -	Trip Blanks	- Field Blanks	
Munsell Color Odor Stair	ning Texture	Sorting Plasticity Moi	sture			: Same as Above - As			
Water sample description should	d include:								
Color Odor Sheen Tur	bidity								
					/				
	Solal	(Please Print)	)		Rev	iewed by: 1 Stall	/arier	an-	(Please Print)
Logged By: XAVIEC		(* 10000 1 1111)					~	Date: <u>/0</u>	Λ

Location ID: $LL 3 FD$ Date: $4/8/01$	4+ - t	143-Dupe	Field	Sampling Re	eport	RVAAP LL 2, 3, and	t 4 Sub-Sl	ab Sample, Ravenna	, ОН
Date: 4/ 8/01	/	u							
	r		Sam	pling Informat	ion	1			
Source	Grou	ndwater / Product		Surface Wate	r	Soils	/ Sedimen	ts / Sludge	<u> </u>
Method	Bailer		Sampl	e Bottle	4	Scoop		Trowel	<u> </u>
	Pump		Bacon	Bomb		Bowl		Hand Auger	<u> </u>
						Push Probe	1	Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: 152" hrs		Sample Type: Con If	nposite MI, # of	- MI Grab		Location:	Plotted or Estimate	Map - <u>Staked in</u> Field d - Measured - Surv	eyed
Sample Depth: <u>0 / FT</u> Field Parameters	(below surfac	·		Each Day - Each I	Location	Ot	her Para	ameters	/
(at time of sample)			,		·				
PID / FID Readings:		VOC	L			Corrosivity			<u> </u>
Background:	, ∂ <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cya	anide		
Sample:	/ ppm	Explosives (Selected)	1	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature							QA San	nples	_
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	<u>×</u>	٩A
рН	units	Nitrate / Nitrite		·		Duplicate ID		N,	A
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID		N.	A
Redox Potential	mV	Propellants	<u> </u>			Trip Blank JØ		N	A
Turbidity	N.T.U.								
<u>5</u> , Lłý	Sampl Clay i	le Description pink wrter			Split Samp 	-	Sample		_
	······································			i	Agency/Co	mnany:			
					Address:				
							/		
Soil sample description should i Munsell Color Odor Stai		e Sorting Plasticity Moi.	sture		QA/QC Pro Parameters	ovided: MS/MSD - Deplicate s: Same as Above - As	- Trip Blanks Listed	- Field Blanks	
Water sample description shoul	d include:								
Color Odor Sheen Tu <b>r</b>	bidity					/			
Logged By: Vale	Sofab	(Please Print)			Rev	riewed by:	y/w	(Pie	ase Print)
Signature:	Sof				S	ignature: Atm	kine	T Date: DADA	<u> }</u>
			<u> </u>	<u> </u>		ignature: Am IC - Js-1572	م میں ایر		
					(	a le ivre	-100	×	

Location ID: <u>LL3 F1</u> Date: <u>4/8/0</u>	<u> </u>		<b></b>						
			Sam	pling Informat	ion				
Source /	Grou	ndwater / Product		Surface Wate	r	Soils .	/ Sedimen	ts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Ритр		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: 1.52		Sample Type: Cor	nposite	- MI - Grab		Location:	Plotted or	n Map - Staked in	Field
Sample Depth: <u>0</u> - 1	T (below surfac		MI, # of	increments taken: _ Each Day - Each	Location	-	Estimate	u - Micasufeu -	Surveyer
Field Parameters (at time of sample)		Anal	ytical ]	Parameters		Otl	ier Para	ameters	/
PID / FID Readings:		VOC				Corrosivity			
Background:	0.0 ppm	SVOC				Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Selected)	/	TNI/ROL		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate					QA San	nples	$\sim$
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	•	NA
рн	units	Nitrate / Nitrite				Duplicate ID	$\square$		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mΥ	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
5,	Samp Lly Clayts	e Description Wood debris			Split Samp	-	Sample		
					Name:				
					Agency/Co	mpany:		/	
		· · · · · · · · · · · · · · · · · · ·			Address:	/	/		
	-								
Soil sample description shou	ld include:				QA/QC Pr	ovided; MS/MSD - Duplicate -	Trip Blanks	- Field Blanks	
Munsell Color Odor S	taining Textur	e Sorting Plasticity Moi	sture		Parameter	s: Same as Above - As	Listed		
Water sample description she	ould include:								
Color Odor Sheen 2	Turbidity				$ \leq $				
				/					
Logged By: YAV	- 50 44 10	(Please Print)	)		Rev	viewed by: 1 Stal	NR	verset	(Please Pr
Luggen Dy.			•			ignature: AMAN	101	Date:	AA

Langtion Mr. 113EA	6-5B	-0875N-00	Field	I Sampling R	leport	RVAAP LL 2, 3, and	4 Sub-S	ab Sample, Rave	nna, OH
Location ID: <u>3 F.A</u> Date: <u></u>	<u> </u>		11	-12 Agros					
Date:7/7070	, 								
			Sar	npling Inform:	ation				
Source	Grou	ndwater / Product		Surface Wa	ter	Soils /	Sedimer	tts / Sludge	
Method	Bailer		Samp	ole Bottle		Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl		Hand Auger	
						Push Probe	5 10 24	Plastic Liner	$\overline{\mathcal{U}}$
Type/Construction	/	/				Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	1					U minic	
Sample Collection: <u>1532</u> hr M 130/K Sample Depth <u>0</u> – 4 FT		Sample Type: Con If	IVII, # C	- MI - Grad f increments taken - Each Day Eacl		Location:	Plotted o Estimate	n Map Staked in F d - Measured - (	ield Surveyed GPS d
Field Parameters (at time of sample)		Anal	ytical	Parameters		Otł	er Para	ameters	
PID / FID Readings:		VOC	Τ			Corrosivity			
Background:	6 ppm	svoc			_	Reactivity Sulfide/Cya	nide		
Sample:	ardd	Explosives (Selected)	$\checkmark$	INT IRDY		Ignitability			
Water Level	FT	Metals (Selected)		/					
Temperature	٣	Perchlorate					QA San	nples	~
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	•	NA
рН	units	Nitrate / Nitrite				Duplicate ID	_	·····	NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse IB			NA
Redox Potential	т	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
DRY BRUW	Şampl OSILLY	le Description <u>Clay wfgra</u>	26	wel @ 2.5	Split Sampl		Sample	/	1
					Agency/Cor	npany:	/		
					Address:	1	/		
Soil sample description should i						wided: M8/MSD - Duplicate - : Same as Above - As I		- Field Blanks	
Munsell Color Odor Stai	-	e Sorting Plasticity Moi	sture			$\mathcal{I}$			
Water sample description shoul	d include:			·					
Color Odor Sheen Tur	bidity								
Logged By: XAV. C	Solyl	(Please Print)	i i		Revi	iewed by: 1, Stan	2/er	enal	(Please Print)
105500 DJ		N				gnature: Am	ber	Date: 101	JANX
Signature:		<u> </u>				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

Location ID: 113 EB	10-5B	-0205N-005	Field	Sampling Ro	eport	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	nna, OH
Location ID: <u></u> EB_ Date:4/10/09			j.	5 Aar					
Date:1/.0/07									
			San	npling Informa		Soils	Sadiman	ts / Sludge	
Source	Grou Bailer	ndwater / Product	Samo	le Bottle	*	Scoop	Seamen	Trowel	
Method				n Bomb		Bowl		Hand Auger	
	Pump		Bacor				10/2-102	-	V
	/					Mattocks	· · · · · · · · · · · · · · · · · · ·		
Type/Construction Miscellaneous	Well Purg	ing Form		$\vdash$		-	<u> </u>	Smc	I
	Yes - No								
Sample Collection: 0845 hrs AAUA Sample Depth: <u>3.23</u> FT	s (below surfac	Sample Type: Con If Decon: Dec	nposite <u>MI,</u> # o icated -	- MI - Grab f increments taken: Each Day - Each	JS IS MISE	D Location:	Plotted or Estimate	n Map - Staked in F id - Measured - X	ield Surveyed)
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Para	ameters	
PID / FID Readings:		voc				Сопозічіту			
Background: U	. у ррт	SVOC				Reactivity Sulfide/Cyar	nide	2	
Sample:	ppm	Explosives (Selected)	~	r"T/RDX		Ignitability	/		
Water Level	FT	Metals (Selected)		I ~ I KUA					
Temperature	°C	Perchlorate					QA San	ıples	
Sp. Conductance:	υMHOs	PCBs				MS/MSD	Yes / No	·	NA
рН	units	Nitrate / Nitrite				Duplicate ID	/		NA
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
brown sug		e Description			Split Samp		ample		<b>`</b>
(Leftreal	0,3.	53' b 10/24			Name:				
	<u> </u>	0 1		······································	Agency/Co	mpany:		/	
					Address:		1		
·····						/			
Soil sample description should i						ovided: MS/MSD - Duplicate - s: Same as Above - As I		- Field Blanks	
Munsell Color Odor Stai		e Sorting Plasticity Mot	sture			/			
Water sample description should									
Color Odor She <b>en</b> Tur	viaity								
Verine (						investments and	Longe	206	(Please Print)
Logged By: <u>1 A V: Cr</u> S Signature: <u>Vini</u> Se	121410	(Please Print)	)			ignature	here .	Date: 121	T ·
Signature.	ł		<del>,</del>	<u> </u>			¥		
						QC- 18 101	24/0	6	
				· .		V ,			

Longian ID. LL3 FR	10-5	B-015510_00	Field	Sampling R	eport	;	RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Ra	venna. OF
Location ID:	<u>,, , ,</u>		)	AT DAP'			ANT IN 11 19 79 410		,	, 01
Date: 4/10/0	/			<i>p</i> r0						
			San	npling Informa	tion					<u> </u>
Source /	Grou	ndwater / Product 🥖		- Surface Wat	er		Soils	/ Sedime	nts / Sludge	
Method	Bailer		Samp	le Bottle	/		Scoop		Trowel	
	Ритр		Bacor	n Bomb			Bowl	in	Hand Auger	
							Push Probe	1	Plastic Liner	L
Type/Construction				1			Mattocks			
Miscellaneous	Well Purg	ing Form		1					UML	
<u>/.</u>	V		<u> /</u>		<u>00000</u> 	a 10 10	7	Distant	Man Stalend in	
Sample Sollection: <u>194</u> hr	2	ti	MI, # 0	increments taken.	/		C Location:	Estimat	on Map Staked in ed - Measured	Surveye
Sample Depth: <u>2</u> : 12 FT	(below surfac	e) Decone Dec	licated -	Each Day - Each	<u>Lo</u> catio	n				ومبتعيت
Field Parameters (at time of sample)		Ana	ytical	Parameters			Ot	her Par	ameters	$\leq$
PID / FID Readings:	,	voc					Сопозічіту			
Background: 0	Groundwater / Produ         Bailer       Pump         Pump       Sample Torm         Sollection: $2944^{-2}$ brs       Sample Torm         Depth: $2.75$ FT (below surface)       Deco         Parameters       O $12^{-2}$ ppm       SvOC         Struct $12^{-2}$ ppm       Explosives (Se       SvOC         Level       FT       Metals (Selection       Relation (Selection)         ature $12^{-2}$ ppm       Explosives (Se       Perchlorate         Mutule       Posterial $m^{-2}$ Prechlorate       Propellants         Mutule       Sample Description       Solution       Sample Description $d_{14} = b_{16,04} = b_{16,04$						Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Selected)	1	TNT/ROX			Ignitability			
Water Level	aneous       Well Purging Form         Yes - No       Yes - No         Sollection: $(294)^2$ hrs       Sample         Depth: 2 .75       FT (below surface)       Dec         Parameters       of sample)       Dec         Parameters       VOC         of sample)       VOC         Dund: $0_r^2$ ppm         SVOC       SVOC         ::       ppm         Explosives (S         Level       FT         Metals (Selection and the selection and the selecti			TTTTT						
Temperature	Justruction       Well Purging Form         Ameous       Well Purging Form         Sollection: $\int (\frac{1}{2} + \frac{1}{2})$ hrs       Sample T         Depth:       2:       7.5       FT (below surface)       Deco         Parameters       of sample)       Deco       Deco         Parameters       of sample)       VOC       Deco         Depth:       2:       7.5       FT (below surface)       Deco         Parameters       of sample)       VOC       Deco         DReadings:       VOC       VOC       Deco         und:       0:       r.d.       ppm       SVOC         :       ppm       Explosives (Sec       Explosives (Sec         .evel       FT       Metals (Select       ature       "C         .evel       FT       Metals (Select       ature       "C         .evel       MHOs       PCBs       Nitrate / Nitrit         .ed Oxygen       Mg/L       TPH DRO / H         Protential       mV       Propellants         ty       N.T.U.       Sample Description         .d.r.i       Drow of Sond Growth, .e., for the construction							QA Sai	mples	
Sp. Conductance:	aneous       Well Purging Form         Ness       No         Sollection: $0.94.7$ hrs       Sample         Depth:       2.75       FT (below surface)       Do         Parameters       of sample)       Do       Do         Parameters       of sample)       VOC       Do         ID Readings:       VOC       SVOC       SVOC         sund: $0.rd^2$ ppm       Explosives (         Level       FT       Metals (Sele         rature       "C       Perchlorate         iductance:       uMHOs       PCBs         units       Nitrate / Nit       Nitrate / Nit         ed Oxygen       Mg/L       TPH DRO /         Potential       mV       Propellants         ity       N.T.U.       Sample Description		1				MS/MSD	Yes / N	lo	NA
рН	units	Nitrate / Nitrite					Duplicate ID			NA
Disserved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID			NA
Redox Potential	Parameters         of sample)         D Readings:         und:       0 r <sup>2</sup> ppm         Explosives (Se         evel       FT         Metals (Selecte         ature       °C         Perchlorate         ductance:       uMHOs         umits       Nitrate / Nitrite         d Oxygen       Mg/L         TPH DRO / HI         otential       mV         NT.U.						Trip Blank ID			NA
Turbidity	N.T.U.									
h.		e Description				0		Sample		
<u> </u>	s stad	grout wif co force				Sampl	6 TV2			
Vectorso	102	75 18 10/24			Nam	e:				
		<u>0</u>			Ager	icy/Con	npany:		1	
					Add	ress:		1		
					Anna Arta ana ang					
Soil sample description should	include:				a second an early		wided: MS/MSD - Duplicate		s - Field Blanks	
Munsell Color Odor Star	ining Texture	Sorting Plasticity Mo	sture		Para	imeters	: Same as Above - As	Listed		
Water sample description shoul	$4 / lol b f$ e       Groundwater / Product         od       Bailer         Pump       Pump         Construction       Well Purging Form         Kes - No       Sample Type:         to Sollection: $294^{-1}$ hrs       Sample Type:         to Sollection: $194^{-1}$ hrs       Sample Type:         to Sollection: $194^{-1}$ hrs       Sample Type:         to Sollection: $014^{-1}$ ppm       SvOC         le:       ppm       SvOC         le:       ppm       Explosives (Selected)         erature $10^{-1}$ Perchlorate       Podential         onductance: $0MHOs$ PCBs         waite       Nitrate / Nitrite       TPH DRO / HRO         red Oxygen       Me/L       TPH DRO / HRO         dity       N.T.U.       Sample Description         dity       N.T.U.       Sample description should include:         tonuple de									
Color Odor Sheen Tu	$4 / lo / s d$ e       Groundwater / Product         hod       Bailer         Pump         Construction         Blaneous       Well Purging Form         Yes - No         Regionlection: $(2^{q+J-1})$ hrs         Sample Typ         Bopth: $2, 75$ FT (below surface)       Decoust         I Parameters       ppm         ne of sample)       FT (below surface)         FD Readings:       vOC         ground: $0 r d^2$ ppm         SVOC       states (Selected)         perature $\nabla$ Perchlorate       with trate / Nitrite         onductance:       with Nitrate / Nitrite         with Nitrate / Nitrite       Propellants         idity       NT.U.         Sample Description $d reges L w f cordinate         Vid for for group Sample Description       d reges L w f cordinate         Vid for for group Sample Description       d reges L w f cordinate         with Sample Description should include:       d reges L w f cordinate         unsell Color Odor Staining Texture Sorting Plasticity       reges L w f cordinate         color Odor Sheen Turbidity       d reges L w f corde     $									
					<ul> <li>A start of the sta</li></ul>					
Logged By: X40.97	Solely	(Please Print	)			Revi	iewed by: ptan	lovi	reg	(Picase Pr
Signature:	Situ					Si	gnature: Atm &	ship	Date: D	Aprik
		····				K	)/. La 104	4/24	3	

Location ID:	EB10-	5B-02)5H-00	Field	Sampling Re	eport		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	nna, OH
nu sitist	1,6		1	M						
Date:4 / / / /	<u> </u>									
			Sar	npling Informat	alesso à	<u>)</u>	<b></b>		4 4 61 - 2	
Source	Grou	ndwater / Product		Surface Wate	r	$\swarrow$		Sedimen	its / Sludge	
Method	Groundwater / Product         Bailer       Sample         Pump       Bacon         Image: Pump       Bacon       Image: Pump         Image: Pump       Image: Pump       Image: Pump         Image:		le Bottle	/		Scoop		Trowel		
	Ритр		Baco	n Bomb			Bowl		Hand Auger	
				/			Push Probe	10/24/04	Plastic Liner	~
Type/Construction				/			Mattocks			
Miscellaneous		ing Form	/					C	me	
Sample Collection: <u>1000</u> hrs	s	1	f MI, # o	f increments taken: []	5 1 2/2		Location:	Plotted or Estimate	n Map - Staked in I ad - Measured - (	Surveyed
Field Parameters (at time of sample)					gocality		Oth	er Para	ameters	/
PID / FID Readings:		VOC			· .		Corrosivity			
•	・) <sup>ppm</sup>	svoc					Reactivity Sulfide/Cyar	nide		
Sample:	ppm	Explosives (Selected)	/	TATIROX			Ignitability			_
Water Level	FT	Metals (Selected)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Temperature	ĉ	Perchlorate					(	QA San	nples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No	»	NA
рН	units	Nitrate / Nitrite					Duplicate ID	_		NA
Dissolved Oxygen	Groundwater / Product         Bailer       Bailer         Pump       Pump         Sonstruction       Well Purging Form         Meeting Point       Point         Sample Type       Sample Type         Market Sonstruction       Point         Sonstruction       Image: Sonstruction         Sonstruction       Image: Sonstruction         Sonstruction       Image: Sonstruction         Market Sonstruction       Image: Sonstruction         Sonstruction       Image: Sonstruction         Parameters       Image: Sonstruction         Of sample       Image: Sonstruction         Depth: One Image: Sonstruction       Image: Sonstruction         Image: Sonstruction       Image: Sonstruc	TPH DRO / HRO					Equipment Rinse ID			NA
Redox Potential	mV	Propellants					Trip Blank ID			NA
Turbidity	N.T.U.									
brnsikty	Sampl Sand u	e Description	<u>.</u>		Split	Sampl	e ID:	ample		7
the fusal of	0 1.01	ys 10jay			Nam	e:				
					Agen	icy/Con	npany:		1	
					Addı	ress:		<u>,</u>	/	
							/	/		
Soil sample description should i							vided: MS/MSD · Pupicate - : Same as Above - As I		- Field Blanks	
		e Sorting Plasticity Mo	isture							
							1			
Color Odor Sheen Tur	bidity					1				
Logged By: VALLE	Safels	(Please Prin	t)			Revi	ewed by Stam	enem	X.	(Please Print)
Signature:	i Sote	1				Siį	gnature: Atm Lu	hz	<u></u> Date: []] A	PUK
		· ·					iac- js ioli	$\mathcal{O}$		
							Ŭ			

Location ID: EB Date: 4/10/04	10 - 5	3-01352-000	Field	Sampling Ro	eport	t	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Ravenn	a, OH
Date: 4/10/08			ſ	18 3 APU						
				pling Informa	tion					
Source /	Grou	ndwater / Product /		Surface Wate	r	[	Soils /	Sedimen	ts / Sludge	
Method	Bailer		Samp	le Bottle	1	Z	Scoop		Trowel	
	Pump		Bacor	1 Bomb			Bowi		Hand Auger	
							Push Probe	10 1111	Plastic Liner	~
Type/Construction		/		1			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	/						Jinc	
Sample Collection:5 hrs A A Joy 108 Sample Depth:FT		Sample Type: Con If	MI, # of	- MI - Grab fincrements taken: Each Day - Each	<u> </u>	)  24  2i	> Location: ]	Plotted or Estimate	n Map - Staked in Field ad - Measured - Sur Gi	veyed
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	er Para	ameters	
PID / FID Readings:		voc					Corrosivity			
Background:	0,) ppm	SVOC					Reactivity Sulfide/Cyan	ide	~	
Sample:	ррт	Explosives (Selected)	V	TNT / ROX			Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	٣	Perchlorate					(	)A San	ıples	<u> </u>
Sp. Conductance:	υMHOs	PCBs					MS/MSD	Yes / No	>	NA
рН	units	Nitrate / Nitrite					Duplicate ID		N	NA.
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID		N	NA
Redox Potential	тV	Propellants					Trip Blank ID		Ň	NA
Turbidity	N.T.U.									
Brown Sand u	Sampl	e Description			Split	Sampl	s ID:	ample		
Nehisi	101.4	1' p 10/21			Nam	e:				
·····		V			Ager	ісу/Соп	apany:	/		
					Addi	ress:				
Soil sample description should it Munsell Color Odor Stair Water sample description should Color Odor Sheen Turk	ning Texture d include:	Sorting Plasticity Moi.	sture			QC Pro meters		Frip Blanks isted		
Logged By: VAuier Signature: VAuier	5=4+60 = 57	(Please Print)					ewed by Ston gnature: Ston & W	lev enz	Date: /DAPY	lesse Print)
						6	PC · J& 10/2011	108	ŗ	

			Sar	npling Informa	tion				
Source	/ Grou	ndwater / Product /		Surface Wate	r	/ Soils	/ Sedimer	nts / Sludge	
Method	Bailer		Samp	ole Bottle		Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl		Hand Auger	
				- /		Push Probe	V	Plastic Liner	
Type/Construction				1		Mattocks			
Miscellaneous	Well Purgi Yes - No	ng Form		/					
Sample Collection: <u>/045</u> MbdV&D - 0.5 Sample Depth:0.5 F			lf MI, # c	- MI - Grab of increments taken: - Each Day - Each	Location	Location:		n Map (Staked in ed - Measured )	
Field Parameters (at time of sample)		Ana	alytical	Parameters		01	her Para	ameters	/
PID / FID Readings:		VOC				Corrosivity			
Background:	U.J ppm	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	· /	TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	ood       Bailer         Pump       Pump         Construction       Well Purging Form         Ves - No       Ves - No         le Collection: $10^{ct}/5$ hrs       Sample         le Depth: $10^{ct}/5$ FT (below surface)       Dec         le Parameters       model is supple       VOC         ground: $0^{-t}/5$ FT (below surface)       Dec         structure $0^{-t}/5$ Proper       SVOC         perature $0^{-t}/5$ Proper       SVOC         perature $1^{-t}/5$ Proper       Perchlorate         ponductance:       units       Nitrate / Nitring         lved Oxygen       Mg/L       TPH DRO / F         stidity       N.T.U.       Propellants         idity       N.T.U.       Sample Description         fift       grawel $0^{-t}/5^{-t}/6^$						QA San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	N.
рН	units	Nitrate / Nitrite				Duplicate ID	and the second second		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID	is		NA
Turbidity	N.T.U.								ell's depuis Re
fil	Sampl gravet	e Description	~		Split Sai		Sample		/
hê	usul e (	<u>).5. js 10</u>	24/00		Name:			- 7	[ 
		U				Company:		-/	
					Address	And a second		-	
								<u>/</u>	
							_/		
Soil sample description shoul	ld include:				QA/QC	Provided: MS/MSD - Duplicate	- Trip Blanks	: - Field Blanks	
Munsell Color Odor S	pe/Construction       Well Purging Form         reclaneous       Well Purging Form         rest = No       This         sample Collection: $10^{4/5}$ hrs         sample Depth: $0.5$ FT (below surface)       Decon:         Point Point $0.5$ FT (below surface)       Decon:         Point $0.5$ FT (below surface)       Decon:         Point $0.5$ Properties $0.5$ Properties $0.5$ Properties $0.5$ Properime       Store         Properime       Store         Properime       Store         Properime $0.5$ Properime       Properime         Properime       Properime         Properime $0.5$ </td <td>Parame</td> <td>ters: Same as Above - As</td> <td>Listed</td> <td></td> <td></td>				Parame	ters: Same as Above - As	Listed		
Water sample description sho	Yes - No         uple Collection: $1 \circ f \cdot 5$ hrs       Sample Typ $MW \ge 0 - 1 \circ 5$ FT (below surface)       Decon:         Id Parameters       Imple Depth: $1 \circ 5$ FT (below surface)       Decon:         Id Parameters       Imple Depth: $1 \circ 5$ FT (below surface)       Decon:         Id Parameters       Imple:       VOC       Not construction of the sumple of the sum of th								
Color Odor Sheen I	Intervention       Intervention       Propellants         bidity       N.T.U.       Propellants         fill       Sample Description       fill         fill       gravel       Intervention         fill       gravel       <								
					/				
Logged By: XAViv	Solals	(Please Prin	nt)		l	Reviewed by: 5	inte	Very	(Picas
1.	Sofet					Signature:	Nhs	Date: //	APV

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Location ID: LL 3EBI	3 - 55 -	007 3N Dool 5	Field	Sampling R	eport		RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Rave	nna, Ol
Location ID: <u>LL 3E B1</u> Date:4/10/05										
Date // **/**						_				
		d (m / Dur dur d		pling Informa Surface Wate	est in R		Soils /	Sedime	ıts / Sludge	
Source	Bailer	ndwater / Product	Somo	le Bottle	"		Scoop		Trowel	- [
Method				ng balan kanakaran dalam Meneralah kanakaran dal			Bowl		Hand Auger	
	Pump		Bacon	Bomb						
							Push Probe	1/	Plastic Liner	
Type/Construction		/		1			Mattocks		l	
Miscellaneous	Well Purg Yes - No	ing Form	/							
Sample Collection: <u>1100</u> h MUCTE Sample Depth: 0 <u> </u>	urs F (below surfac		MI, # of	- MI - Grab fincrements taken: Each Day - Each	Locatio	 n		Estimate	n Map - Staked in F ed - Measured - S	ield Surveya
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	er Par	ameters	<u> </u>
PID / FID Readings:		VOC					Corrosivity			
Background: 4	//, c⁄ppm	svoc					Reactivity Sulfide/Cyan	ide		
Sample:	ppm	Explosives (Selected)	~	THT/ROX			Ignitability			
Water Level	Level FT Metals (Selected)									
Temperature	e: ppm Explosives (Selec Level FT Metals (Selected) erature °C Perchlorate						(	)A Sar	nples	
Sp. Conductance:	svoc ppm Explosives (Selected rature °C Perchlorate nductance: vMH0s PCBs units Nitrate / Nitrite						MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	and: <i>D</i> , <i>D</i> ppm SVOC ppm Explosives (Sele evel FT Metals (Selected ature °C Perchlorate ductance: <i>DMHOs</i> PCBs units Nitrate / Nitrite d Oxygen Mg/L TPH DRO / HRO						Equipment Rinse ID			NA
Redox Potential	mV	Propellants					Trip Blank ID			NA
Turbidity	N.T.U.									
S, Lt	Sampl y clay M	e Description grave and co	<u>,661</u>	> <u>}</u>	Nam	ÇUZT A	e ID:	ample		/
					Agen			$\neq$		
Soil sample description should Munsell Color Odor Stu		Sorting Plasticity Moi	sture			QC Pro meters	wided: MS/MSD - Duplicate : Same as Above - As I		Field Blanks	
Water sample description show										
Color Odor Sheen Ti						/	$\mathbf{Z}$			
	-				1	<u> </u>				
Logged By: <u>X40.179</u> Signature: Vrin S	tels Ara	(Please Print)	)				iewed by:	Ler So	Slaven Date: A	_(Please ) } A N
	r W/~					- 31	guarune	<u></u>	Daiv. <u>-7</u> /1	· · · ·

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Sp. Conductance:       PCDS       PCDS       PROVE	Location ID: $-\frac{1}{2}L_3 \neq B_{13}$	4-55-00	550-6001-50	Field	I Sampling R	eport		RVAAP LL 2, 3, and 4	4 Sub-S	iab Sample, Rave	enna, OH
Sumpling Information       Sumple Return / Sum / S	Date: 4/10/	08									
Source     Groundwater / Product     Surples Water     Solide     Solide       Method     Bailer     Sample bolide     Socop     Trowel       Pump     Bacon Bonh     Bool     Haad Auger       Type/Andruection     Pump     Bacon Bonh     Bool     Haad Auger       Type/Andruection     Water Prode     Place Liner     Method       Sample Cylicitian     Mill Oreging Perm     Methods     Methods       Sample Cylicitian     Mill Oreging Perm     Carroll Oreging     Analytical Parameters       Sample Cylicitian     Mill Oreging Perm     Carroll Oreging     Leastion       Field Parameters     Analytical Parameters     Other Parameters       (a) Luce Carroll Oreging     Wolf Parameters     Other Parameters       (a) Luce Carroll Oreging     Wolf Oreging     Multical Scienced       Field Parameters     VOC     Carroll Nity     Estimated       Background:     (C) J. wei     Svoc     Reactivity Sulfide/Cyanide     Svoc       Sample:     Mill Multical Scienced     // T. ort / R.Dy     Ignitiability     Ignitability       Water Leval     Multical Scienced     // T. ort / R.Dy     Ignitability     Ignitability       Background:     Milling / Socie     Milling / Socie     Milling / Socie     Milling / Socie				Sar	nnling Informa	tion					
Balter         Balter         Sample Bulle         Scoop         Trowd           Mathod         Balter         Sample Bulle         Scoop         Trowd           Pump         Bacon Bonh         Bowi         Hand Auger           Pump         Bacon Bonh         Bowi         Hand Auger           Type/Generations         Matocks         Matocks         Matocks           Sample Callection         I/D. In:         Sample Type Composite - Mill CGBb         Location         Estimate - Maurified Back           Mathod         Field Parameters         Corrols vity         Estimate - Maurified - Sarey           Sample Space Callection         I/D. In:         Sample Type Composite - Mill CGBb         Location         Estimate - Maurified - Sarey           Field Parameters         Other Parameters         Other Parameters         Other Parameters           WOC         SvOC         Reactivity Suffield Cynaide         Svoc         Reactivity Suffield Cynaide         Svoc           Sample Callection         If         Methods         Ignitude         Maurified Science         Market Science         Market Science         Svoc         Reactivity Suffield Cynaide         Svoc         Reactivity Suffield Cynaide         Market Science         Market Science         Market Science         Market Science	Fourse /	Gran	ndwater / Product		 k-4 ko (tak) saardied (gi	Gale Hard Are	7	Soils /	Sedimen	nts / Sludge	
Pump         Boson Bonb         Bool         Hand Anger           TypeConstruction         Matter Level         Plassic Liner           Modelianeous         Wall Parging Form         Matter Level         Plassic Liner           Simple Construction         JUD Ins         Sample Type: Comprise - M GEB         Location:           Simple Construction         JUD Ins         Sample Type: Comprise - M GEB         Location:         Plassic Liner           Simple Construction         JUD Ins         Sample Type: Comprise - M GEB         Location:         Plassic Liner           Simple Construction         JUD Ins         Sample Type: Construction         Decore:         Generation:         Sample Construction         Material Science:           PID / FID Readings:         WOC         Corrosivity         Readings:         Sample         WOC         Corrosivity         Material         Sample         Sample Construction         Material         Material         Sample         Material Sciences         Material         Mater				Sam	a an martal and a second as		/				
Type/Construction     Weil Preside Torm       Sample Collection:     //// In       Sample Collection:     /// In       Sample Collection:     /// In       Sample Collection:     /// In       Sample Collection:     // In       Field Parameters     Other Parameters       OUC:     Corrorsivity       Backgroud:     0       Sample:     // In       Explosives (Science)     // In       Water Level     // In       Mainter Kernel     Other Parameters       Outer Parameters     Outer Parameters       Sample:     // In       Backgroud:     0       Sample:     // In       Backgroud:     0       Sample:     // Meals (Science)       VOC     In       Sample:     // Perchionate       Split Baintydi Organ     Na       Na     Nation / Na       Sample Decription     Na       Sample Decription     Split Baintydi       Sample Decription     Split Ba				17 (2019) (2019) (2019)				Bowl		Hand Auger	
Type/Symicraction     Matrocks       Migoditaneous     Will Purging Form X/S - No       Sample Callection:     I/U       Migoditaneous     Sample Type: Composite - Mi_CTBD If Mi_H of increments backs:       Migoditaneous     FO delow surface)       Decon:     Decon:       Discoling:     No       PTD / FD Readings:     VOC       Sample     VOC       Sample     No       Sample     Pro / TO delow surface)       Decon:     Decon:       Discoling:     VOC       Sample     VOC       Sample     Pro / TO delow surface)       Discoling:     VOC       Sample:     Pro Beaboairea (Selecided)       PTD / FD Readings:     VOC       Sample:     Pro Hall (Sclected)       Particle (Callecting)     Instantice       Particle (Callecting)     Instantice       Particle (Callecting)     Mistrate       Particle (Callecting)     Instantice       Particle (Callecting)     Mistrate			/		-/			Push Probe	+	Plastic Liner	
Mydellancens     Well Purging Form Minister No       Sample Cylicetion:     // D       Mydellancers     Sample Type: Composite - Mill - Offb IT Mill of increments Inter: Decen: Evillance Inter: Decen: Evill					-/						
// // // // // // // // // // // // //		Well Purg	ing Form		/			Mattoria	"I	I	J
Mind Option       FML 6 directed batca:       Estimated - Measured - Measured - Survey         Sample Depth ()       FT (below surface)       Decas: Editation + Each Day - Each Location       Other Parameters         If () for anneless       Analytical Parameters       Other Parameters         (at time of sample)       VOC       Consistivity       If (below surface)       Other Parameters         Sample       Parameters       Other Parameters       Other Parameters         Sample       Parameters       Other Parameters         Sample       Parameters       Other Parameters         Water Level       Pr       Meals (Selected)       Terr/R 0x       Ignitability       Ignitability         Water Level       Pr       Meals (Selected)       Terr/R 0x       Ignitability       Parameters         Sp. Conductance       Pre-Riving       Parameters       Massing Oxygen       Mark (Figure Parameters)       Massing Oxygen         Soft Sample Description       Sample Description       Split Sample       Split Sample       Sample Description         Soft sample description should include:       Color Odor Shaning Testare Soring Plasicity Moisture       Split Sample       Split Sample         Water sample description should include:       Color Odor Shaning Testare Soring Plasicity Moisture       Reviewed by:       <	/	Xes - No									
Alt time of sample)       Interviewed by:         PD) FID Readings:       Background:       Oracle Science	Sample Collection: <u>110</u> hrs M. KAUN Sample Depth:( <u>)</u> FT	s (below surfac	Sample Type: C e) Decon: D	lf MI, # c	of increments taken:	Location		Location: 1	Plotted of Estimate	n Map Staked in ] ed - Measured -	Field Surveyed
Background:       (), ) pm       SVOC       Reactivity Sulfide/Cynnide         Sample:       pm       Explosives (Selected)       / ?, ~T/ROX       Ignitability         Water Level       rr       Metals (Selected)       / ?, ~T/ROX       Ignitability         Tomperature       C       Perchlorate       QA Samples         Sp. Conductande:       water Level       PCBs       MS/MSD       Yes / No         pH       wate       Nitrate / Nitrite       Duplicate ID       NA         Dissolved Oxygen       Ma /L       TPH DRO / HRO       Equipment RinsortD       NA         Mated Yorential       mV       Propellants       Trip Blank ID       NA         Soil sample description should include:       Split Sample       Split Sample ID:       Split Sample         Masell Color Odor Staining Testure Soring Plasticity Moisture       Malester Same is done - As Listed       Propelants - Foil Blanks         Masell Color Odor Sheen Turbility       (Please Print)       Reviewed by:       Split Market M			An	alytical	Parameters	- <b></b>		Oth	er Par	ameters	
SVQC       Image: SVQC       Image: SVQC       Image: SVQC         Sample:       PP       Explosives (Sclected)       Image: Splet Stample       Image: Splet Stample         Water Level       PT       Metals (Sclected)       Image: Splet Stample       Image: Splet Stample         Sp. Conductange:       users       Normality       MSMSD       Yes / No       NA         pH       users       Nitrate / Nitrite       Image: Splet Stample       Image: Splet Stample       NA         Redex Potential       mv       Propellants       Image: Splet Stample       Image: Splet Stample       NA         Subscription       Sample Description       Image: Splet Sample Description       Splet Sample Description       NA         Soil sample description should include:       Splet Sample Description       Splet Sample Description       Splet Sample Description         Manseil Color Odor Staining Texture Soring Plasticity Moisture       Values Same a Store - As Listed       Mansei Same a Store - As Listed         Water sample description should include:       Color Odor Staining Texture Soring Plasticity Moisture       Reviewed by:			VOC					Corrosivity			
Water Level       PT       Metals (Sclected)       D <thd< th=""> <thd< td=""><td>Background: (</td><td>(). ) ppm</td><td>svoc</td><td></td><td></td><td></td><td></td><td>Reactivity Sulfide/Cyan</td><td>ide</td><td></td><td></td></thd<></thd<>	Background: (	(). ) ppm	svoc					Reactivity Sulfide/Cyan	ide		
Water Level       rr       Metals (Selected)       O         Temperature       C       Perchlorate       QA Samples         Sp. Conductance:       000000000000000000000000000000000000	Sample:	ppm	Explosives (Selected)		TNT/ROX			Ignitability			
Sp. Conductance:       white       PCBs       MS/MSD       Yes / No       NA         pH       uess       Nitrate / Nitrite       Duplicate ID       NA         Dissolved Oxygen       M4 / L       TPH DRO / HRO       Equipment RisselD       NA         Redex Potential       mV       Propellants       Trip Blank ID       NA         Turbidity       NTU       N       Sample Description       Split Sample	Water Level	FT	Metals (Selected)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Sp. Unitate/Rife       PCBs       PCBs       PCBs         pH       usua       Nitrate / Nitrite       Duplicate ID       NA         Dissolvéd Oxygen       Ma/L       TPH DRO / HRO       Equipment RinseTD       NA         Redox Potential       mv       Propellants       Trip Black ID       NA         Turbidity       N.TL       NTL       Sample Description       Split Sample       Split Sample         Soil sample description should include:       Munsell Color Odor Staining Testure Sorting Plasticity Moisture       NA/OC Provided: MSMSD_Popleme - Trip Black       Na         Water sample description should include:       Color Odor Steen Turbidity       Reviewed by:       Split Sample Market - As Listed       Signature:       Munsell Color Odor Steen Turbidity       Other Color As Listed         Logged By:       1/4000 Stefe 1/2       (Please Print)       Reviewed by:       Stimuty Date: Market	Temperature	House       FT (below surface)       Decon:         I Parameters       A         ne of sample)       FID Readings:       VOC         FID Readings:       VOC         ground:       (), ()       ppm         ble:       ppm       Explosives (Selectul         r Level       PT       Metals (Selected)         werature       °C       Perchlorate         onductance:       uMHOs       PCBs         units       Nitrate / Nitrite         lyed Oxygen       Mg / L       TPH DRO / HRO         x Potential       mV       Propellants         idity       N:T.U.       Sample Description						(	A San	nples	
pit     Initiate Profile     Dissolvéd Oxygen     Ma //     TPH DRO / HRO     Equipment RingeTD     NA       Redox Potential     mv     Propellants     Trip Blank ID     NA       Turbidity     NTU     NA     Split Sample     Split Sample	Sp. Conductance:	Yes - No         e Collection:       ////hrs       Sample Typ         Hotel       FT (below surface)       Decon:         Parameters       ////       ////         e of sample)       VOC         FID Readings:       VOC         round:       /////       yppm         Explosives (Selected)       Propention         erature       °C       Perchlorate         onductance:       umits       Nitrate / Nitrite         ved Oxygen       Mg/L       TPH DRO / HRO         Brotential       mV       Propellants         dity       N.T.U.       Sample Description						MS/MSD	Yes / N	0	NA
Redox Potential       mV       Propellants       Trip Blank ID       NA         Turbidity       N.TU       NIL       NA	рН	e of sample) FID Readings: FID						Duplicate ID			NA
Turbidity       N.T.U.       Sample Description	Dissolved Oxygen	e: ppm Explosives (Selected) Level PT Metals (Selected) erature °C Perchlorate mductance: uMHOs PCBs units Nitrate / Nitrite yed Oxygen Mg / L TPH DRO / HRO Potential mV Propellants						Equipment Rinse ID			NA
Sample Description       Split Sample         Split Sample Description       Split Sample ID:         Name:       Agency/Company:         Address:       Address:         Soil sample description should include:       OA/QC Provided: MSASD -Dopleate - Trip Blanks - Field Blanks         Munsell Color Odor Staining Texture Sorting Plasticity Moisture       OA/QC Provided: MSASD -Dopleate - Trip Blanks - Field Blanks         Water sample description should include:       Color Odor Sheen Turbidity         Logged By:       JAU: & SFK 1/2       (Please Print)         Signature:       Jam South       Reviewed by:       Sample Mathematical Principal Planks - Field Blanks	Redox Potential	unductance:     uMHOs     PCBs       units     Nitrate / Nitrite       yed Oxygen     Mg/L     TPH DRO / HRO						Trip Blank ID			NA
brown Silty Clay why was a set of a cet       Split Sample D:         Soil sample description should include:       Agency/Company:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture       OA/OC Provided: MSMSD_Papeae - Trp Blacks - Field Blacks         Water sample description should include:       Color Odor Sheen Turbidity         Logged By:       144/3 554 < 10	Turbidity	N.T.U.									
Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       1440/30 554010         (Please Print)         Signature:       Mun System	brown Silt	Sampl Y clay	e Description w/c.r «vel			Split S	ampl	the second se	ample	/	$\sum$
Soil sample description should include:         Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       144.3554515         (Please Print)         Signature:       Min Soft Clor         Oddress:       Signature:											
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity Logged By:								npany:			
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       140:3554212         (Please Print)         Signature:       Mun Soft         Signature:       Mun Soft						Addres	<b>is:</b>		1		
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       140:00000000000000000000000000000000000								/			
Munsell Color Odor Staining Texture Sorting Plasticity Moisture         Water sample description should include:         Color Odor Sheen Turbidity         Logged By:       1000000000000000000000000000000000000	Soil sample description should i	include:								- Field Blanks	
Color Odor Sheen Turbidity	Munsell Color Odor Stai	ning Texture	e Sorting Plasticity M	oisture		raram	CUCLE	- Same as recove - AS L			
Logged By: <u>144:3557210</u> (Please Print) Reviewed by: <u>Stam/Aurly</u> (Please Print) Signature: <u>Him Sites</u> Signature: <u>Aur Mitty</u> Date: <u>DAPU</u>	Water sample description should	d include:									
Signature:	Color Odor Sheen Tur	bidity					/				
		itels In	(Please Prin	nt)				thead	1/en	0 11	(Please Print
QC- JS 10/21/28	Signature:	mi u ~									
							6	PC- JS 10/2	ч <b>(</b> ЭВ	,	

Location ID: <u>LABEAS</u>	5-55-	580 5N 001-50	Field	Sampling Re	eport	RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Rave	enna, (
Date:4/10/1	, (								
			San	pling Informat	tion				
ource	Grow	ndwater / Product /		Surface Wate	in the management with	Soils	/ Sedimer	nts / Sludge	
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
WIELING				Bomb		Bowl		Hand Auger	
	Pump		Dalui		andreg Sada Gebela a des	Push Probe	V	Plastic Liner	
	ļ					8			$\rightarrow$
Type/Construction				/		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	/						
Sample Collection: <u>// 3 J</u> hr / ACX 08 Sample Depth: <u>9</u> / FT	s (below surfac		MI, # of	- MI - Graf increments taken: Each Day - Each	Location	Location:		n Map - <u>Staked in ]</u> ed - Measured -	
Field Parameters at time of sample)		Ana	ytical	Parameters		Ot	her Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background: Ú	-) ppm	SVOC		· · · · ·		Reactivity Sulfide/Cya	nide	$\top$	T
Sample:	ppm	Explosives (Selected)	1	TNT/ROX		Ignitability			
Water Level	e: Ppm Explosives (Select								
Temperature	e:     ppm     Explosives (Selec       Level     FT     Metals (Selected)       erature     "C     Perchlorate						QA Sar	nples	
Sp. Conductance:	of sample) ID Readings: Aund: Pprin Explosive SVOC SVOC SVOC SVOC Explosive FT Metals (S Perchloration aductance: MHOs PCBs Nitrate / Ed Oxygen Mg/L TPH DR					MS/MSD	Yes / N	lo	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	und: <i>C</i> - <i>J</i> ppm SVOC ppm Explos Level FT Metals ature °C Perchlo ductance: uMHOs PCBs units Nitrate at Oxygen Mg/L TPH D					Equipment Rinse ID			NA
Retlox Potential	mV	Propellants				Trip Blank 1D			NA
Turhidity	N.T.U.								
DRY Bro	Sampl	e Description		sec tr.	Split Sam		Sample		
	, 				Name:			1	
	·				Agency/C	ompany:	1		
					Address:		/		
Soil sample description should i	include:					rovided: MS/MSD - Duplicate -		s - Field Blanks	
Munsell Color Odor Stai	ining Texture	Sorting Plasticity Mo	isture		Paramete	rs: /Same as Above - As	Listed		
Water sample description shoul	d include:								
Color Odor Sheen Tur	rbidity								
							,		
Logged By: <u>XAJ</u>	Sofels	(Please Print	)		Re	viewed by:	plant	wy	TA (Please
Logged By: $A_{4}$ if	~ 5/-	×			:	Signature: Am-	way	Date: 12	han
						Ín.	4		-
						WC- 78 10	12410	16	
						0			

Location ID: <u>143</u> E.428-	55-03	4 50-0001-50	Field	Sampling R	eport	RVAAP LL 2, 3, and	l 4 Sub-S	lab Sample, Rave	nna, Ol
Date: 4/10/05									
			San	npling Informa	tion				
Source /	Grou	ndwater / Product /	/	Surface Wat		Soils	/ Sedimer	nts / Sludge	
Method	Bailer	X	Samp	le Bottle	$\overline{\Lambda}$	Scoop		Trowel	
	Pump		Bacor	n Bomb		Bowl		Hand Auger	
						Push Probe	4	Plastic Liner	
Type/Construction	/	<u>/</u>		1		Mattocks			
Miscellaneous	Well Purg	ing Form		1					
Sample Collection: <u>(230</u> hrs 2 170608 <u>- 0.75</u> FT Sample Deptit: <u>0.75</u> FT	/	Sample Type: e) Decon: L	Composite If MI, # of Sedicated	- MI - Grab f increments taken: Each Day - Each	Location	Location:	Plotted o Estimate	n Map - Staked in F ed - Measured - S	ield Surveye
Field Parameters (at time of sample)		Аг	nalytical	Parameters		Oti	her Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	た。 <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Selected	t) /	THT ROX		Ignitability			
Water Level	FT	Metals (Selected)		<u> </u>					
Temperature	Construction       Well Purging Form         aneous       Well Purging Form         Yes - No       Sample Type         Collection: $[23p]$ hrs       Sample Type         Collection: $[23p]$ hrs       Sample Type         Deptil: $[0, 13]$ FT (below surface)       Decon:         Parameters $[0, 13]$ FT (below surface)       Decon:         Data $[0, 13]$ Parameters $[0, 13]$ Parameters         Sample Description $[0, 13]$ Propellants       [0, 13] Parameters         Ity $[0, 13]$ Propellants       [0, 13] Parameters         Propellants $[0, 13]$ Parameters $[0, 13]$ Parameters         Propellants $[0, 13]$ Parameters $[0, 13]$ Parameters         Propellants $[0, 13]$ Parameters $[0, 13]$ Parameters         Propela						QA San	nples	_
Sp. Conductance:	d Bailer Pump Pump Pump Pump Collection: $1230$ hrs Collection: $1230$ hrs Deptif: $0.15$ FT (below surface) Parameters of sample) D Readings: pund: $1 \cdot y$ ppm Explosives (Sel Level FT Metals (Selecte FT Metals (Selecte rature C Perchlorate nductance: uMHOs PCBs Units Nitrate / Nitrite Potential mV Propellants ity NT.U $PRY \ BR_{UWR} Sample Description y_{U} \ DSel C (y-15') M 16$					MS/MSD	Yes / N	0	NA
рН	Pump         aneous       Well Purging Form         Yes - No       Collection: $123p$ hrs       Sample Transfere         Objection: $123p$ hrs       Sample Transfere       Decor         Objection: $123p$ hrs       Sample Transfere       Decor         Parameters       of sample)       Decor         Depth: $-0.13$ FT (below surface)       Decor         Parameters       of sample)       Decor         DReadings:       VOC       Decor         pund: $1, p$ Ppm         SVOC       Explosives (Second       Explosives (Second         Level       FT       Metals (Selecter         rature       °C       Perchlorate         uductance:       uMHC       PCBs         units       Nitrate / Nitrite         Advectance:       umits       Nitrate / Nitrite         value       Ms/L       TPH DRO / HB         Potential       mV       Propellants         ity       N.T.U.       N.T.U         Decorption should include:       A         nple description should include:       A         ample description should include:       A					Duplicate ID			NA
Dissolved Oxygen	Yes - No         Collection: $1230$ hrs       Sample Typ         Deptit: $0.75$ FT (below surface)       Decon:         Parameters       Of sample)       Decon:         D Readings:       VOC         und: $0.9$ ppm       Explosives (Selected)         ppm       Explosives (Selected)         ature $^{\circ}$ Perchlorate         ductance:       uMHOs       PCBs         units       Ms/L       TPH DRO / HRC         otheration       mv       Propellants         proprints       Sample Description $51, Lty - clay = 1/2$				ļ	Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
U Turbidity	N.T.U.				1				
DRY BROw	Sampi n 5, L	e Description ty_clay_w/90	rave l	/	Split Sampl		Sample	/	/
γιρικ	C 0.	75' ys 16/24	65		Name:				
					Agency/Cor	upany:	1		
		·····			Address:	/	/		
	ning Texture	Sorting Plasticity b	10isture		QA/QC Pro Parameters	vided: MS/MSD - Duplicate - : Same as Above - As ]		- Field Blanks	
Color Ugor Sheen Turl	ouarry								
Logged By: <u>Xdi wier</u> Signature: <u>Xdi wier</u>	sitil Sæ	(Please Pri	int)			iewed by: A StatA gnature: A M StatA	Leve NGJ	Date: 12Af	_(Please Pl
				·		QC- 48 10	1211	63	

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Date: 4/10/0			<u></u>		ti on				
<u></u>			San	npling Informa	atala ven 🧃	6.3.	10.2	to / Eludeo	
Source		ndwater / Product	Sama	Surface Wate	×r /	Sous	/ Sedimen	ts / Sludge Trowel	
Method	Bailer							Hand Auger	_
	Pump		Bacor	n Bomb		Bowl			
						Push Probe		Plastic Liner	_
Sype/Construction						Mattocks			
Aiscellaneous	Well Purg Yes - No	ing Form	1						
ample Collection: <u>124</u> 1 [At 10] Sample Depth:2F	-		f MI, # o	- MI - Grab f increments taken: Each Day - Each	Location	Location:	Plotted or Estimate	1 Map Staked in Fi d - Measured - S	> æld Surve
Field Parameters at time of sample)		Ana	lytical	Parameters		Ot	her Para	meters	
PID / FID Readings:		VOC				Corrosivity			
Background:	0,2 <sup>ppm</sup>	svoc				Reactivity Sulfide/Cya	anide		
Sample:	Bbu	Explosives (Selected)		TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)		7.01/10					
Femperature	°C	Perchlorate					QA San	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	,	N.
ы	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	πV	Propellants				Trip Blank ID			NA
furbidity	N.T.U.								
Dry	Sampl Brown St	e Description Ly clay w/g	ra vë	<u> </u>	Split Samp Name:	le D:	Sample	$\frac{1}{2}$	/
					Agency/Co	mpany:		2	
					Address:		1		
						1			
Soil sample description should	include:				04/00 2-	ovided: Ma/MSD - Duplicate	Trip Blonke	- Field Blanks	
Munsell Color Odor Sta		e Sorting Plasticity Mo	isture			Source: Marked - Duplicate			
Water sample description show	-	- *				/			
Color Odor Sheen Tu					-/				
	-								
	Salar la	(Please Print	t)		Rev	iewed by: 0. Stan	, leu	ener	Please
Logged By: XAVIEr									

Location ID: <u>113 E</u>	<u> </u>					RVAAP LL 2, 3, and			, Hill
Date: 4/10/	× (/								
			San	npling Informa	tion				
Source /	Grou	ndwater / Product 🥖		Surface Wate	er /	Soils	Sedime	nts / Sludge	
Method	Bailer	/	Samp	le Bottle	X	Scoop		Trowel	
	Pump		Bacor	1 Bomb	/	Bowl		Hand Auger	
				/		Push Probe	~	Plastic Liner	
Type/Construction	/	· · · · · · · · · · · · · · · · · · ·		1		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	/	$\sim$					
Sample Collection: <u>1255</u> Boch91 -> 9 - Sample Depth: <u>6.9</u> F	hrs	Sample Type: Co	MI, # of	- MI - Grab f increments taken: Each Day - Each	Location	Location:	Plotted o Estimat	n Map Staked in Fie ed - Measured - Su	ia: urve
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Par	ameters	
PID / FID Readings:		VOC				Соптозічіту			
Background: 0	ppm רָ, ר	svoc				Reactivity Sulfide/Cya	nide		
Sample:	/ ppm	Explosives (Selected)	~	TNT ROX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate				QA Samples			
Sp. Conductance:	uMHOs	РСВз				MS/MSD	Yes / N	0	N
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	ple Collection: <u>1255</u> hrs hrs hrs hrs hrs hrs hrs hrs		_			Trip Blank ID			NA
Turbidity	N.T.U.								
Bisun	Sampl	e Description	wi_		Split Samj		ample		
Actus	al c D	9 N 10/2	ulus		Name:				
		J			Agency/Co	mp <b>any:</b>			
					Address:		/		
									<u>- 57</u> - 27 - 27 - 27
Soil sample description shoul	d include:					oyided: MS/MSD - Duplicate - s: Same as Above - As I		s - Field Blanks	
Munsell Color Odor Si	aining Texture	Sorting Plasticity Moi	sture		rarameter	as Same as ADOVE - AS I	491CU		
Water sample description sho	uld include:								
Color Odor Sheen T	urbidity								
						<u> </u>	1- 1		
Logged By: XAU; 5 Signature:	5.+e () = Sit	(Please Print)				viewed by: 1 Han Signature: AM	1011	1_ Date: 1210	
						1/1.	· · · ·		
Location ID:3 FA	¢ -≤Β -₀	18651-000 -5	Field	Sampling R	eport	RVAAP LL 2, 3, ar	ad 4 Sub-S	lab Sample, Rav	enna, OH
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Date: 4/10/06			HT	Apros					
				pling Informa	tion				
Source	Grou	ndwater / Product/		Surface Wate	er /	Soil	s / Sedimer	nts / Sludge	
Method	Bailer	1	Samp	le Bottle		Scoop		Trowel	
	Ритр		Bacor	Bomb		Bowl		Hand Auger	
				1		Push Probe	0/24/0	Plastic Liner	r
Type/Construction	/	/		1		Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form	/	1				JMC	
Sample Collection: 1515 hrs	-	Sample Type: Co	mposite	- MI - Grab	5 10/24	0B Location		n Map - Staked in ed - Measured -	
101-107-20-27-5 FT	(below surfac	e) Decon: Dec	MI, # 0	Each Day - Each	Location		Louinite		
Field Parameters (at time of sample)		Ana	ytical	Parameters		0	ther Par	ameters	<u> </u>
PID / FID Readings:	,	VOC				Corrosivity			
Background: / ,	ppm م <sup>ن</sup> ,	SVOC				Reactivity Sulfide/Cy	yanide		
Sample:	ppm	Explosives (Selected)	1	TNT ROL		Ignitability	/		
Water Level	FT	Metals (Selected)							
Temperature	ĉ	Perchlorate					QA San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mν	Propellants				Trip Blank 4D			NA
Turbidity	N.T.U.				1				
Dry brown of	Sampl Lay clay	e Description	d Cae	nst. d obrid	Split Sar		t Sample		
Pubasai	p 0.25	· 10 LM / JE		······	Name:				
	v	<u>\</u>			Agency/	Company:			
					Address		1		
							/		
						/			
Soil sample description should i			• .			Provided: MS/MSD - Duplicate ers: Same as Above - A		a – Field Blanks	
Munsell Color Odor Stair		e Sorting Plasticity Mo	siure			1			
Water sample description should Color Odor Sheen Tur						6			
Colo, Oldo, Ditter 147					1				
Logged By: VAVier	S. te b	(Please Print	)		F	teviewed by: $\int_{\Delta} - \Lambda S$	tan	levense	? (Please Print)
Logged By: VAVier Signature: Hin	~ 24		,			Signature:	stry	7 Date: 7	April
						(D(-), (-))	<del>سی ا</del>	62	<u> </u>
						QC- 18-11	youna	7	
						Ť			

II7FA	L - 2R	-negen mil	Field	l Sampling R	eport	RVAAP LL 2, 3, and	4 Sub 9	ah Samala Davier	me O
Location ID:3 F.A Date:4 / 1.3 / 3	6 6	<u> </u>	Ϋ́,	A 12April		КУЛАГ LL 4, 3, 8П0	- ouu-3	iao banque, Navel	a, O
Date: 4// 3/ 3	V		1 1						
	_			npling Informa					
Source	Grou	ndwater / Product 🦯		Surface Wat	er /	Soils /	Sedimer	nts / Sludge	
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
	Pump		Baco	n Bomb	7	Bowl		Hand Auger	
				/		Push Probe	10mil	Plastic Liner	-
Type/Construction				1		Mattocks			
Miscellaneous	Well Purg	ing Form	/	/			UM	C	
170 V	Yes - No	Sample Tunes Co		MI End	e cola sa les	Location:	-	n Map - Staked in Fi	ield
Sample Collection: <u>170</u> br 9496408 Sample Depth(9 — 4 FT	halow curfor	Sample Type: Co. If	MI, # 0	- MI - Grad f increments taken - Each Day - Each		-	Estimate	ed - Measured - S	urveye
	(below suffac				Lucation				
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Para	ameters	/
PID / FID Readings:		VOC				Corrosivity		$\square$	
Background:	, Y ppm	svoc				Reactivity Sulfide/Cyar	nide		
Sample:	ppm	Explosives (Selected)	1	TUT IRDX		Ignitability			
Water Level	Г	Metals (Selected)							
			+					<u> </u>	
Temperature	٣	Perchlorate					QA San		<u> </u>
Sp. Conductance:	uMHOs	PCBs					Yes / N	•	NA NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L mV	TPH DRO / HRO				Equipment Rinse ID Trip Blank ID			NA
Redox Potential	N.T.U.	Propellants							
Turbidity									)
51.12	Sampl   <u>                                   </u>	e Description	ill		Split Samp		ample	1	/
	/								
					Name:				
					Agency/Co	mpauy:		<u> </u>	
					Address:				
······································									
Soil sample description should i						ovided: M8/MSD - Duplicate - s: Same as Above - As I		- Field Blanks	
Munsell Color Odor Stai		Sorting Plasticity Mot	sture			/			
Water sample description shoul									
Color Odor Sheen Tur	bidity				-/				
						~1	1-	1	
Logged By: XAUSER	57410	(Please Print)	I		Rev	riewed by:	Les.	lergy 11	(Please F
Signature: <u> </u>					S	ignature	¥4	Date: ///	MX
					f	DC - XS 101-	ruin	В	
							- 110	-	

Location ID:3 Date:4 /6.0/	£A6-50	3- 0885N.	Field	Sampling R	eport		RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Raver	ша, ОН
Date:4 /6 0/	· 5		ĩ	H 12 MM						
				pling Informa						
Source	Grou	ndwater / Product		Surface Wate	ha na ka		Soils /	Sedime	nts / Sludge	
Method	Bailer		Samp	le Bottle			Scoop		Trowel	
	Pump		Bacor	1 Bomb			Bowl	Jaul	Hand Auger	
							Push Probe		Plastic Liner	2
Type/Construction		<u> </u>					Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form							UMC	
Sample Collection: <u>172</u> 190(208-20) Sample Depth: <u>-</u> 2.9	₹ hrs	Sample Type: ( e) Decop: I	Π IVII, <del>Π</del> Ο.	- MI - Grab fincrements laker Each Day - Bach			Location:	Plotted o Estimate	n Map-Staked in F ed - Measured - 5	ield urveyed
Field Parameters (at time of sample)		Ап	alytical	Parameters			Oth	er Par	ameters	
PID / FID Readings:		VOC					Corrosivity			
Background:	7.2 ppm	SVOC					Reactivity Sulfide/Cyar	ide		
Sample:	ррт	Explosives (Selected	1)	TNT/RIX			Ignitability			
Water Level	FT	Metals (Selected)						/		
Temperature	r	Perchlorate						QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	10	NA
рН	บบ์เร	Nitrate / Nitrite					Duplicate ID		$\square$	NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID	$\swarrow$		NA
Redox Potential	mV	Propellants					Trip Blank ID			NA
Turbidity	N.T.U.									
wet	Sampl 5, 1/ 9,29 1/	e Description 21 / clap	vet (a	<u>دوه' ا</u> (	Split	Sampl	e ID:	ample		
β	chisol C. 2.	91 310	101/00		Nam					
							npany:	/		
					Add	ress:	/			
Soil sample description sh		Sorting Plasticity M	foisture				vided: MS/MSD - Duplicate - Same as Above - As I		s - Field Blanks	
Water sample description	-		-			/				
Color Odor Sheen										
	Mer Jote 1.	(Please Pri	int)		The second secon		iewed by: A Stat	n le	Nergen Date: 12A	(Please Print)
Signature:	<u>v~ &gt;</u>	<u>~ \</u>				Si	gnature: <u>SUN XN</u>	Ť	Date: _///~	N
						l	QC. 15 10	hell	58	
							U			

Location ID: 740 Date: 4/10/06	(-5B-	690 5~ -00	: 2- =<	Field ्र	Sampling Re	port		RVAAP LL 2, 3, and 4	Sub-Sl	ab Sample, Raven	na, OH
Date: 4/10/06				1/1	12 Apr						
					pling Informat	ion					
Source	Grou	ndwater / Product	,		Surface Wate			Soils / S	Sedimen	ts / Sludge	
Method	Bailer			Sampl	e Bottle			Scoop		Trowel	
	Pump			Bacon	Bomb			Bowl V3	124	Hand Auger	
					/			Push Probe	i de la competition de la comp	Plastic Liner	~
Type/Construction								Mattocks			
Miscellaneous	Well Purg	ing Form							;	IMC	
Sample Collection: 1743 hr 1905 for Sample Depth: 0 - 4 FT	s (below surfac		- If l	МІ, # of	- MI - Grab increments taken: _ Each Day - Each I	ocatio	a	Location: F	lotted or Estimate	Map Staked in Fie d - Measured - Su	d irveyed
Field Parameters (at time of sample)			Analy	ytical 1	Parameters			Othe	er Para	imeters	
PID / FID Readings:		VOC						Corrosivity			
Background: 3	',⊃ <sup>ppm</sup>	SVOC						Reactivity Sulfide/Cyani	de		
Sample:	ppm	Explosives (Sele	cted)	1	TNT INDX			Ignitability			
Water Level	FT	Metals (Selected	l)								
Temperature	ŗ	Perchlorate						Q	A Sam	ples	
Sp. Conductance:	uMHOs	PCBs						MS/MSD Y	les / No	)	NA
рН	units	Nitrate / Nitrite						Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	0					Equipment Rinse D			NA
Redox Potential	m¥	Propellants		<u> </u>				Trip Blank JØ			NA
Turbidity	N.T.U.										
Loose Silty 5	Sampl	e Description <u>Iva et une</u>	$\mathbf{k}$	2'6	<u>45</u>	Split	Sample	split Sa D:	mple		
				, , ,	· · · · · · · · · · · · · · · · · · ·	Nam	•				
			~				c. cy/Con	Manv:			
						Addr				/	
Soil sample description should i	include:							vided: MS/MSD - Duplicate - T		- Field Blanks	
Munsell Color Odor Stai	ning Texture	Sorting Plastici	ty Mois	ture		Para	meters:	Same as Above - As Li	sted		
Water sample description should	d include:										
Color Odor Sheen Tur	bidity										
Logged By: Lyic	n 50 teeb	(Please	e Print)				Revi	ewed by:	ever		Please Print)
Signature:	St						Sig	mature: Atm	wer	Date: UA	<u></u>
		· · · ·					Ľ	RC - JS 107	ui/ 0	в	

Location ID: LL2DB4.	02051 - 001-50		Id Sampling Report RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenn						
Location ID: <u>112) B44</u> Date: <u>4/17/08</u>		)	102	Aprox					
	/		Sam	pling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	ter	Soils /	Sedime	nts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl	am	Hand Auger Plastic Liner	
						Push Probe		Plastic Liner	L
Type/Construction				/		Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form					V	MC	
Sample Collection: <u>1745</u> hr. Bample Depth <u>9</u> - 4 FT	<u> </u>	Sample Type: Con If e) Decon: Ded	ML# of	- MI - Grab increments taken Each Day Eacl	h Location	Location:	Plotted o Estimate	n Map - Staked in I ed - Measured - (	Field Supveyed
Field Parameters (at time of sample)		Anal	ytical l	Parameters		Oth	er Par	ameters	$\langle$
PID / FID Readings:		VOC				Corrosivity			
Background:	<i>0,0</i> ррт	svoc				Reactivity Sulfide/Cyan	idə		
Sample:	) ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	ĉ	Perchlorate				(	QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Renox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.				•				
dry to moist b/	Sampl Sampl Sibty	e Description Clay			Split Sam Name: Agency/Co		ample		
					Address:		/		
Soil sample description should it Munsell Color Odor Stain Water sample description should Color Odor Sheen Turk	ning Texture d include: bidity	Sorting Plasticity Moi:	sture		OA/QC P Paranietes	rovided: MS/MSD Duplicate	rip Blacks isted	Field Blanks	
Logged By: XAVitr	Sotelo	(Please Print)			Re	viewed by	le	UCIX Date: 214	(Please Prin

Location ID: <u>LL2DB</u>	4+- 58-	01952-0001-50	r ieiu	Samping R	eport	RVAAP LL 2, 3, ai	nd 4 Sub-Sl	ab Sample, R	avenna, O
Date: 4/17/08		î A	2 2 AP	V					
				pling Inform	ation				
Source /	Grou	ndwater / Product		Surface Wa	ter	Soi	ls / Sedimen	its / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Ритр		Bacon	Bomb		Bowl		Hand Auger	
					<u></u>	Push Probe	xipinil	Plastic Liner	
						Mattocks			
Type/Construction		·····		/			 `	L	I
Miscellaneous	Well Purg Yes - No	ing Form					Urr	20	
Sample Collection: 1725 1936 - 195 Sample Depth: 0 - 4 F	hrs T (below surfac		MI, # of	- MI - (Grab) increments taken: Each Day - (Each		Location	: Plotted on Estimate	n Map - Staked ed - Measured	in Field - Surveya 6 Cs
Field Parameters (at time of sample)		Anal	ytical l	Parameters		C.	ther Para	ameters	$\angle$
PID / FID Readings:		VOC				Corrosivity			
Background:	C - D ppm	svoc		· · · · · · · · · · · · · · · · · · ·		Reactivity Sulfide/C	yanida	]   ]	
Sample:	 	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	r	Perchlorate					QA San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	•	NA
рн	unius	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	$\square$		NA
Redox/Potential	mV	Propellants				Trip Blank ID			NA
/ Turbidity	N.T.U.		1						
	Sampl	e Description			Split Samp		t Sample		
dry br	UHA SILLY	chay			- Shin Samb				
	· · · · · · · · · · · · · · · · · · ·				Name:			/	
					Agency/Co	mpany:		/	
		~			Address:		1	/	
							/		
						/	1		
Soil sample description shoul	d include:				QA/QC Pro	wided: MS/MSD Duplicate	• Trip Blanks	-Field Blanks	
Munsell Color Odor St	aining Texture	Sorting Plasticity Moi	sture		Parameters	Same as Above - A	S LISICO		
Water sample description sho	uld include:						n ostan 1997 Menosi (1997) Alexandro (1997)		
Color Odor Sheen T	urbidity								
Logged By: Konto	Sotek	(Please Print)	)		Rev	iewed by: 15101	leve	res-	(Please F
Signature:	SA	<u> </u>			Si	ignature:	flor	Late: Q	)/Apri
						4			

Location ID: 12 D	1344 - 5B -	01952-0001.50	Field	Sampling R	eport	RVAAP LL 2, 3, :	and 4 S	ub-Sla	ab Sample, Ray	enna, OF
Date:			AS OV	Apr						
	,		San	pling Informa	tion					
Source /	Grou	ndwater / Product		Surface Wa	ier	So	oils / Sec	dimen	s / Sludge	
Method	Bailer		Samp	ie Bottle	$\boldsymbol{\lambda}$	Scoop				
	Ритр		Bacor	Bomb		Bowl		gui	Aland Auger	
						Push Probe	( j		Plastic Liner	L
Type/Construction	17			/	· · · · · ·	Mattocks				
Miscellaneous	Well Purgi	ng Form			· · ·				JMC	
Sample Collection: <u>1645</u> Sample Collection: <u>1645</u> Sample Depth( <u>2 - 4</u> F	Yes - No hrs T (below surfac		MI, # of	- MI - Grab Fincrements taken: Each Day - Each	Location	Locatio	on: Plot Est	tted on timate	Map Staked in d - Measured -	Surveye
Field Parameters (at time of sample)		Anal	ytical	Parameters			Other	Рага	meters	_
PID / FID Readings:		VOC				Соггозічіту				
Background:	0.0 ppm	svoc				Reactivity Sulfide/	Cyanide			
Sample:	pprix	Explosives (Selected)	1	TNT/ RDX		Ignitability		·		
Water Level	FT	Metals (Selected)								
Temperature	°C	Perchlorate					QA	Sam	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes	s / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID				NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	$\geq$	$\leq$		NA
Redox Potential	mV	Propellants				Trip Blank ID				NA
Turbidity	N.T.U.						1000 No. 100 - 100 - 100 - 100	· · · · · · · · · · · · · · · · · · ·		
dry brown silty	y clay Sampl	e Description wet @ 3.9' by S				mple D:	olit Sam	ple		/
					Name:					
					Addres	/Company:				
					Adures			/		
							/			
Soil sample description shoul	d include:				QA/QC	Provided: MS/MSD Duplics eters: Same as Above -	ate - Trip As Liste	Blanks	- Field Blanks	
Munsell Color Odor Si	taining Texture	Sorting Plasticity Moi	sture			/				
Water sample description sho	uld include:					1				
Color Odor Sheen T	Turbidity				7					
1/	C tol			<u>_</u>		D 64	n i	10Ar	ever	(Please P
Logged By: Karvier Signature: Karvier	Satelo Ils	(Please Print)	I			Reviewed by	tin.	$\sim$	Date:	
Signature: <u> </u>	John			······		Signature	~~~~~	=0		
						RC Ja	ab	n   11	10\$	

Location ID: <u><u></u><u><u></u><u><u></u><u></u><u></u><u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u>	4-5B-0	17 50-000 -5	Field	l Sampling R	leport	RVAAP LL 2, 3, an	d 4 Sub-Sl	ab Sample, Rave	enna, OH
Date: 4/17/00		$\uparrow$	L'AD	6					
			San	npling Inform	ation				
Source	Grou	ndwater / Product /	1	Surface Wa		Soils	; / Sedimen	ts / Sludge	
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
	Pump		Bacor	n Bomb		Bowl		Hand Auger	
			-			Push Probe	8 5	Plastic Liner	C
Type/Construction						Mattocks			
Miscellaneous	Well Purgi	ng Form				· · · · · · · · · ·		MC	
Sample Collection: <u>16/5</u> hrs 17 GUS <u>0 4</u> FT	Yes - No (below surfac	Sample Type: e) Decon: H	If MI, # o	- MI - Grab f increments taken: - Each Day - Eacl	h Location	Location:	Plotted or Estimate	n Map - Staked in I ad - Measured - (	Field Surveyed
Field Parameters (at time of sample)		Аг	alytical	Parameters		O	ther Para	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	ク.J <sub>ppm</sub>	SVOC		<u> </u>		Reactivity Sulfide/Cy	anido	1	
Sample:	ppm	Explosives (Selected	1) 🗸	TNT/ RDX		Ignitability	·		
Water Level	FT	Metals (Selected)							
Temperature	 ۲	Perchlorate				· · · ·	QA San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	·	NA
рн	units	Nitrate / Nitrite							NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	$\leq$		NA
Redox Potential	۵V	Propellants				Trip Blank II			NA
Turbidity	N.T.U.								
dry to moist	Sampl Soft 10	e Description med. 51, E <sub>f</sub> br.	יי א משי	uty clay	Split Samp	e ID:	Sample		
·····		,			Name: Agency/Cor				
					Address:	npany.		/	
							/		
Soil sample description should in Munsell Color Odor Stair		Sorting Plasticity N	<i>10isture</i>		QA/QC Pro Parameters	vided: MSMSD Duplicate ; Same as Above - As	- Trip Blanks Listed	- Fjeld Blanks	
Water sample description should	l include:					4			
Color Odor Sheen Turl	bidity				7				
Logged By: <u>Varier Sot</u> Signature: <u>Vin S</u>	-10 A	(Please Pr	int)			iewed by: <u>Han</u> gnature: <u>A</u> UN-	Love	Y Y Date: <u>)</u> K	_(Please Print)
<u>  </u>						QL- 78 101	py 134	3	

Location ID: <u>LL2</u> DE	34A-5E	3-0165N-0	∿Ì-	Field	Sampling F	leport	RVAAP LL 2, 3, ar	nd 4 Sub-S	lab Sample, Ravenna	a, OH
Date: 4/17/08				Ma	And					
Date:				<u>بخ</u> Sarr	pling Inform	ation				
Source	Grou	ndwater / Product	/		Surface Wa		Soil	s / Sedimer	its / Słudge	
Method	Bailer			Sampl	e Bottle	$\overline{X}$	Scoop		Trowel	
	Pump			Васол	Bomb		Bowl	Intel	Hand Auger	
				<u> </u>			Push Probe		Plastic Liner	V
Type/Construction		<u>/</u>					Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form			/			د لمر	пс	
Sample Collection: <u>1600</u> hrs	s	-	If	MI, # of	- MI - Grab		Location	Plotted of Estimate	n Map - Staked in Field	veyed
AF170(for )0-4FT	(below surfac	e) Decon:	Ped	icated -	Each Day - Eacl	Location	1			~
Field Parameters (at time of sample)		1	Anal	ytical l	Parameters		0	ther Par	ameters	
PID / FID Readings:		VOC					Соптозічіту			
Background:	O.O ppm	SVOC					Reactivity Sulfide/Cy	/anida		
Sample:	ррт	Explosives (Selec	ted)	~	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	r	Perchlorate						QA San	nples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No		NA
рн	units	Nitrate / Nitrite					Duplicate ID			IA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	)				Equipment Rinse ID			IA 
Redox Potential	vm 	Propellants					Trip Blank ID		N	IA
Turbidity	N.T.U.	-								/
day to moist	Sampl ມາວພາ	e Description 5. Lty Clhy				Split San		t Sample		/
	···					Name:				
					· · · · · · · · · · · · · · · · · · ·	Agency/C	Company:		-/	
						Address:			/	
							/			
Soil sample description should in						QA/QC I Paramete	Provided: MS/MSD Duplicate ers: Same as Above - A	Trip Blanks Listed	- Field Blanks	
Munsell Color Odor Stair		Sorting Plasticity	Mois	sture						
Water sample description should							/			
Color Odor Sheen Turl	bidity					-/				
Logged By: XAViv	sotelo	(Please	Drint)			P.	eviewed by (). 5th	n /a	NEVC_Pre	ase Print)
Logged By: <u>XAvic</u> Signature: <u>Lin</u>	SAD	(riease	r mut)				Signature And	VIN	Date: 21AA	OK
					<u> </u>		$\overline{D}(x, y, y)$	24/02	<u> </u>	• ···

Location ID: <u>112</u> D	<u> В44-5</u> В	-0 155N 20001	Field SD	Sampling R	eport	RVAAP LL 2, 3, and	d 4 Sub-Sl	lab Sample, Rave	enna, OH
Date: <u>4/17/2008</u>					tion				
	1		Sam	pling Informa		Soils	/ Sedimer	nts / Sludge	
Source		ndwater / Product		Surface Wat	er	Scoop		Trowel	
Method	Bailer				-	Bowl		Hand Auger	
	Pump		Bacon	Bomb			13/2	-	
			<u>.</u>				B		- In-
Type/Construction				$\square$		Mattocks		· · · · · ·	
Miscellaneous	Well Purg Yes - No	ing Form						Jinc	
Sample Collection: $\frac{143}{5}$	frs . FT (below surfac	Sample Type: Cor If Decon: Ded	MI. # of	- MI - Grab increments taken: Each Day - Each	Location	Location:	Plotted o Estimate	n Map - Staked in ed - Measured	Field Surveyed
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	ther Par	ameters	$\leq$
PID / FID Readings:	<i>с</i> 1 -	voc				Corrosivity			
Background:	<i>Ö</i> - ∂ <sub>ppm</sub>	SVOC				Reactivity Sulfide/Cy	anida	1	
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	ĉ	Perchlorate					QA Sar	nples	$\angle$
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N		NA
рН	units	Nitrate / Nitrite				Duplicate ID		/	NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	$\leq$		NA
Redox Potential	тV	Propellants	ļ	<u></u>		Trip Blank ID			NA
Turbidity	N.T.U.								
dry brown s	Samplificity clay my	e Description / a socrate deb. 5/ 10/01/1:			Split Samp		Sample		
					Agency/Co	mpany:		/	
					Address		/		
Soil sample description sho Munsell Color Odor Water sample description sl Color Odor Sheen	Staining Texture hould include:	e Sorting Plasticity Moi.	sture		QA/QC Pr Parameter	ovided: MS/MSD Duplicate s: Same as Above - A	- Trip Blank s Listed	s - Field Blinks	
Logged By: <u>Xarvica</u>	Sote lu	(Please Print)	<del>_</del>		s	riewed by:	an 14 NG-7	Worg Date: H	(Please Prin)
Signature:Yuu	Son 1					$\alpha_{L} - fs$ (	okul		1
						ac le c	′ I '	•	

Location ID: <u>LL2</u> D C	34A-5B	-0145N_0001	Field へつ	Sampling R	eport	RVAAP LL 2, 3, and	l 4 Sub-Sl	ab Sample, Rav	venna, OH
Date:4/17/2008		Ar Ar	V						
	······································			pling Informa	tion				
Source /	Grou	ndwater / Product		Surface Wat	er /	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe	-	Plastic Liner	L
Type/Construction	/			/		Mattocks	⊿`		
viscellaneous	Well Purgi Yes - No	ng Form				10 Miles	Jmc	/	
Sample Collection: <u>1417</u> h Sample Depth: <u>0</u> - <u>4</u> F			MI, # of	- MI Grab increments taken: Each Day - Each	Location		Plotted or	n Map - Staked in ed - Measured -	-Field Surveyer
Field Parameters		Anal	ytical	Parameters		01	her Para	ameters	
(at time of sample) PID / FID Readings:		voc	T			Corrosivity			
_	).0 <sup>ppm</sup>	svoc	-			Reactivity Sulfide/Cy	anida		
0	таа	Explosives (Selected)		TNT/ RDX		Ignitability			
Sample:	FT	Metals (Selected)							
Water Level							QA San		
Temperature	ۍ 	Perchlorate				MS/MSD	Yes / N		NA
Sp. Conductance:	uMHOs	PCBs			<u> </u>	Duplicate ID	103 / 14		NA
рН	units	Nitrate / Nitrite				Equipment Rinse ID			NA
Dissolved Oxygen	Mg / L	Propellants		<u> </u>		Trip Blank ID			NA
Redox Potential Turbidity	N.T.U.	Topenands		<u> </u>				· · _ · -	
Jry brown Soil sample description should Munsell Color Odor Sta Water sample description shou Color Odor Sheen Th	S: ity Cla dinclude: aining Texture uld include: urbidity	e Sorting Plasticity Moi			Parameter	le ID: mpaoy: ovided: MSMSD Duplicate s: Same as bove - A	s Listed	s - Feld Blanks	
Logged By: XA Jiv Signature:	- 50+2/0 - Soto	(Please Print)	)			riewed by:	stry	Date	Aprol
						Q(- \$\$ 10	piy lo <u></u>	9	

Location ID:L D B4.	4-5B-0	195N-00015	Field	Sampling R A Apr	eport	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	enna, OH
Date:4/17/2008			1	r					
	,		Sam	pling Informa	ntion				
Source	Grour	idwater / Product		Surface Wat	ter	Soils /	Sedimer	ts / Sludge	<u> </u>
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Pump		Васол	Bomb		Bowl	124/20	Hand Auger	
						Push Probe		Plastic Liner	_¥
Type/Construction						Mattocks			
viscellaneous	Well Purgi Yes - No	ng Form	/				C	MC	
Sample Collection: <u>1400</u> hr S Hoch08-90 - 4FT	r s (below surface		MI, # of	- MI - Grab increments taken: Each Day - Each		Location:	Plotted of Estimate	n Map - Staked in ed - Measured -	Field Surveyed
Field Parameters		Anal	ytical ]	Parameters		Oth	er Par	ameters	$\leq$
PID / FID Readings:		VOC				Сопозічіту			
Background:	)-0 <sup>ppm</sup>	SVOC	<u> </u>			Reactivity Sulfide/Cyar	nida	1	
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)					_		
Temperature	r	Perchlorate					QA Sar	nples	_
Sp. Conductance:	uMHOs	PCBs	1			MS/MSD	Yes / N	lo	NA
рн	uniis	Nitrate / Nitrite				Duplicate ID		<u> </u>	NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Rotential	, mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
dyky brown sic	Sampl 14 Ctay	e Description			Split Sam		Sample	/	/
					Agency/Co				
Soil sample description should Munsell Color Odor Sta Water sample description shou Color Odor Sheen Tu	iining Texture Id include: rbidity	e Sorting Plasticity Mo	isture		QAVQC P Paramete	rovided: MS/MSD Duplicate - rs: Same as Above - As	Listed		
Logged By: <u>Yauicr S</u> Signature: <u>Yau</u>	sotels SAS	(Please Print	)		:	sviewed by:	400	Verg Z Date: Al	(Please P APVU
Signature:	5.A5				QC-	Signature: Atr	<u>4050</u> 4	¥ Date: Al	<u>Ap</u> i

Date:4/17/2008					<u>.</u>				
			Sam	pling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	ter /	Soils	Sedimer	ts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Ритр		Bacon	Bomb	/	Bowl		Hand Auger	
				1		Push Probe	~	Plastic Liner	
Type/Construction		<u> </u>		/		Mattocks			
Mascellaneous	Well Purgi Yes - No	ng Form							
Sample Collection: <u>0930</u> h 4 Proctos y - Sample Depthy - / Fi	1	Sample Type: Cor If e) Decon: Ped	MI, # of	- MI - Grad increments taken: Each Day - Eacl	Location	Location:	Plotted of Estimate	n Map - Staked in Fi ad - Measured - S	eld urveyed P
Field Parameters (at time of sample)		Anal	ytical l	Parameters		Ott	her Para	ameters	
PID / FID Readings:		VOC				Сопозічіту			
Background:	). 2 ppm	SVOC				Reactivity Sulfide/Cya	nide	1	
Sample:	ppm	Explosives (Selected)	$\checkmark$	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate	_				QA San	nples	_
Sp. Conductance:	υMHOs	PCBs				MS/MSD	Yes / N	<u>~</u>	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	٧m	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
dry brown s	Sampl	e Description 1 w/ debris			Split Samp		Sample		_
·····					Agency/Co	mpany:		-/	
					Address:			/	
			<u></u>				-/		
							<u></u>		
Soil sample description should Munsell Color Odor Sta		Sorting Plasticity Moi.	sture		QA/QC Pro Parameter	ovided: MS/MSD Duplicate - s: Same as Above - As	Trip Blanks Listed	- Field Blanks	
Water sample description shou									
Color Odor Sheen Tu	urbidity								
Logged By: Xarrie	5, te (0	(Please Print)			¢.	ignature AMAC	101C	15 Date: 21	(Please Print

Location ID: 1/2 DB	20 - 55-00	45N-0001-50	Field	Sampling R	eport	RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Rave	nna, OH
Date:4/17/2008									
			Sam	pling Informa	tion		_		
Source	Grou	ndwater / Product		Surface Wat		Soils /	/ Sedime	nts / Sludge	
Method	Bailer		Sampl	e Böttle	X	Scoop		Trowel	
	Pump		Васол	Bomb		Bowl		Hand Auger	
		/				Push Probe	~	Plastic Liner	
Type/Construction						Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: 0950		-	MI, # of	- MI - Grab increments taken: Each Day - Eact		Location:	Plotted o Estimat	n Mar - Staked in I ed - Measured -	Field Surveyed G Gs
Field Parameters (at time of sample)			- Andrew Control of the second	Parameters		Ott	ıer Par	ameters	/
PID / FID Readings:		VOC				Corrosivity			
	0-0 <sup>ppm</sup>	svoc				Reactivity Sulfide/Cya	nide	1	
Sample:	ppm	Explosives (Selected)	1	TNT/ RDX		Ignitability			
Water Level	РТ	Metals (Selected)							
Temperature	r	Perchlorate					QA Sai	nples	$\angle$
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	io	NA
рн	บกปร	Nitrate / Nitrite	_			Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	٣٧	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
DRY BROWN	Samp Si U y U au J	e Description	d + 6.	rri`]	Split Samp Name: Agency/Co Address:	le D:	Sample		
Soil sample description sha Munsell Color Odor Water sample description s Color Odor Sheen Logged By: <u>Xav: v</u> Signature: <u> </u>	Staining Texturd hould include: Turbidity	e Sorting Plasticity Mo			Parameter	ovided: MS/MSD Duplicate - s: Same as Above - As viewed by: 35 Tat ignature: A		engr	Please Prin
Signature:	bole							Date: (21)	
					Ű	1C - 13 10/24	108		

Location ID: LLZ DB 2.5	- 55 -01	97.5N-0001-50	Field	Sampling R	eport	RVAAP LL 2, 3, and 4	l Sub-Sl	lab Sample, Ravenna,	ОН
Date:4/17/2008			-						1
			Sam	pling Informa	tion				
Source	Groun	ndwater / Product		Surface Wat	er 🖉	Soils / 2	Sedimer	nts / Sludge	r
Method	Bailer		Sample	e Bottle	$\mathbf{X}$	Scoop	<u> </u>	Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	ļ
						Push Probe	12	Plastic Liner	
Type/Construction						Mattocks	<u> </u>	<u> </u>	
Miscellaneous	Well Purgi Yes - No	ng Form	7						
Sample Collection: <u>///</u> hrs Sample Depth://FT (	below surface		MI, # of	- MI - Grab increments taken: Each Day - Each	Location	Location: 1	Plotted o Estimate	m Map - Staked in Field ed - Measured - Supre R	eyed
Field Parameters (at time of sample)			ytica) l	Parameters		Oth	er Par	ameters	/
PID / FID Readings:		VOC				Corrosivity			1
	∧U <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cyan	ida	1	
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			<u> </u>
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate		ļ			QA San		<u></u>
Sp. Conductance:	υMHOs	PCBs	<u> </u>			<u> </u>	Yes / N	~	NA 
рН	បារាវែរ	Nitrate / Nitrite			<u> </u>	Duplicate ID	NA NA		
Dissplved Oxygen	Mg/L	TPH DRO / HRO	<u> </u>		<u> </u>	Equipment Rinse ID			A
Redox Potential	w	Propellants		<u> </u>		Trip Blank ID			n
Turbidity	N.T.U.		1						1. 1.
dry brown 5,25	Sampi <u>y et ay</u>	Le Description			Split Sampl Name: Agency/Con Address:				
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turk	ning Texture <b>I include:</b> bidity	: Sorting Plasticity Moi.	sture			ovided: MS/MSD Duplicate - * s: Same as Above - As L	<b>Sisted</b>		
Logged By: $X_{44,1,0}$ - S Signature: $Y_{112}$ - S	07110 teb	(Please Print)	)			viewed by:	14 154	Date: 24	ease Print)
			<u> </u>		Q- <	\$ Ispulob	$\overline{\sigma}$		

Location ID: <u>LL2</u> DB9 A	+ ,, 00	¥ 50 000. 50					RVAAP LL 2, 3, and		•	
Date:4/17/2008									· · · ·	
	,		San	pling Information	tion					
Source	Grou	ndwater / Product		Surface Wat	ter	$\angle$	Soils /	Sedimer	nts / Sludge	I
Method	Bailer		Samp	le Bottle			Scoop		Trowel	
	Ритр		Bacor	Bomb			Bowl		Hand Auger	
							Push Probe	~	Plastic Liner	
Type/Construction							Mattocks			
Viscellaneous	Well Purgi Yes - No	ing Form								
Sample Collection: 1035 h	1	Sample Type: Co	mposite	- MI - Græð			Location:	Plotted o	n Map - Staked in ed - Measured -	Field
1 Knotte a	(below surfac		MI, # of	f increments taken: Each Day - Each	Location			Estillat		ĒRJ
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	er Par	ameters	_
PID / FID Readings:		voc	1				Corrosivity			
	y,U ppm	svoc			1		Reactivity Sulfide/Cyar	nida	$\square$	
Sample:	ррт	Explosives (Selected)	1/	TNT/ RDX			Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	ŕ	Perchlorate			<u> </u>		(	QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs			1			Yes / N		NA
	units	Nitrate / Nitrite		<u> </u>			Duplicate ID			NA
pH Dissolved Oxygen	Mg/L	TPH DRO / HRO	-		1		Equipment Rinse ID			NA
Redox Potential	mV	Propellants					Trip Blank ID			NA
Turbidity	N.T.U.									
DRY BEOUN S.	Sampl	le Description / w/ construct	100	dobris	Split	Sampl		ample		/
					Name					
					Agend	xy/Cor	mpany:		1	
					Addr	ess:		/	T	
								/		
Soil sample description should					QA/Q Para	C Pro	ovided: MS7MSD Duplicate - : Same as Above - As J	Trip Blank isted	s - Field Blanks	
Munsell Color Odor Sta		e Sorting Plasticity Mo	sture				1		alara. <u>a</u> tr dala	
Water sample description shou							/			
Color Odor Sheen Tu	rbidity					/			Cu - 33 774 8	
							1 1-	a 7		
Logged By: XAVie	- Sote	e / o (Please Print	)			Rev	iewed by:	<u>n p</u>	on ser	(Picase
. /	1	Λ.				01	ignature VI HUI	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	í Date:	114-1

Location ID: DB	44 UP1-55	- 088 SN-0001-	Field 5 0	Sampling R	eport		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	enna, OH
Date:4/17/2008										
			Sam	pling Informa	tion					
Source	Grou	idwater / Product		Surface Wat			Soils /	Sedimen	its / Sludge	
Method	Bailer		Sampl	e Bottle	X		Scoop		Trowel	
	Pump		Bacon	Bomb			Bowl		Hand Auger	
		/					Push Probe	~	Plastic Liner	
			а 1911 — А.А.	_/			Mattocks	-		
Type/Construction Miscellaneous	Well Purgi	ng Form			<u>i spagan</u> in t			1		
	Yes - No								Man Station	Field
Sample Collection:( <u>05</u> 2) L \Jyc+08 Sample Depth: <u>0 - 1</u>	_ hrs _ FT (below surface		MI, # of	- MI - Grab increments taken: Each Day - Each	Location		Location:	Estimate	n Map - Staked in ed - Measured -	Surveyor
Field Parameters (at time of sample)		Anal	ytical	Parameters		-	Oth	er Par	ameters	_
PID / FID Readings:		VOC	1				Corrosivity			
Background:	в.0 <sup>ррт</sup>	SVOC	1				Reactivity Sulfide/Cyar	nida	1	
Sample:	ppm	Explosives (Selected)		TNT/ RDX			Ignitability			
Sample: Water Level	Г	Metals (Selected)								
/	/		-					QA Sar	nnles	
Temperature	ۍ 	Perchlorate		<u>_</u>				Yes / N		NA
Sp. Conductance	uMHOs	PCBs	<u> </u>				Duplicate ID		·	NA
рн	units	Nitrate / Nitrite				_	Equipment Rinse ID	$\overline{}$		NA
Dissolved/Oxygen	Mg / L mV	Propellants					Trip Blank ID			NA
Redox Potential Turbidity	N.T.U.									-
	Sampl S, L7 Y C	e Description	2000		Name:	с - С	e Di	ample		/
					Agency	y/Cor	npany:		1	
		······································			Addre	ss:		/		
								<u>/                                     </u>		
Soil sample description show Munsell Color Odor Water sample description sh	Staining Texture	Sorting Plasticity Moi	sture		QA/QU Param		wided: MSMSD Duplicate ;; Same as Above - As I	Trip Blank isted	s Field Blanks	
Color Odor Sheen						1				Allah Mana
Cotor Onor Directi					1					
Logged By: <u>A + V 12</u> Signature: <u>A</u>	ryolelu SzA	(Please Print)	)				iewed by: <u>J. Stapp</u> gnature: Ath H	<b>6</b> =	Date: A	_(Piesse F April
Signature:	Sel				<u> </u>		enature: Alm H RC- fs lopin		7_Date: A	Apr

Location ID: <u>LLL DB 22-</u>	55-006	52 - 00 21-50	Field	Sampling R	eport		RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rav	enna, O
Date:4/17/2008										
			Sam	pling Informa	tion					
Source	Grow	ndwater / Product		Surface Wat	er		Soils /	Sedimen	ts / Sludge	
Method	Bailer		Sample	e Bottle	X		Scoop		Trowel	
	Pump		Bacon	Bomb	/		Bowl		Hand Auger	
				-/			Push Probe		Plastic Liner	
Type/Construction				<u> </u>			Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form								
Sample Collection: 1210 hr 10(408-)(9-1 FT Sample Depth.9-1 FT	rs (below surfac		MI. # of	- MI - Grab increments taken: Each Day - Each	Location		Location:	Plotted of Estimate	n Map - Staked in ed - Measured -	Field Survey
Field Parameters				Parameters			Ott	er Par	ameters	
(at time of sample)							Corrosivity			
PID / FID Readings: Background: L	9-3 ppm	svoc		<u> </u>			Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX			Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	ۍ 	Perchlorate					<u>}</u>	QA Sar		
Sp. Conductance:	uMHOs	PCBs	<b>_</b>				MS/MSD	Yes / N	·	NA NA
рН	ແກ່ເຮ	Nitrate / Nitrite					Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID		· · · · · · · · · · · · · · · · · · ·	NA
Redox Potential	mV	Propellants					Trip Blank ID			
Turbidity	N.T.U.							Part V CHP		
DRY BROWN	Sampl 5 867954	le Description	udio	n debris	Split S			Sample		/
						<u></u>	mpany:		_/	
					Addro	ess:			/	
·								/		
							/	<u> </u>		
					QA/Q	)C Pr	ovided: MSMSD Duplicate	Trip Blank	s - Field Blanks	
Soil sample description should	' include:				Parar	neters	s: Same as Above - As	Listed	이는 1946년 가방에서 1957년 - 1948년 1958년 1958년 1958년 1958년 195	
Soil sample description should Munsell Color Odor Sta		e Sorting Plasticity Moi	isture						가 가슴 수 있는 것이 같아요.	
Munsell Color Odor Sta	uining Textur	e Sorting Plasticity Moi	isture				1			
Munsell Color Odor Sta Water sample description shou	uining Textur uld include:	e Sorting Plasticity Moi	isture							
Munsell Color Odor Sta	uining Textur uld include:	e Sorting Plasticity Moi	isture			/				
Munsell Color Odor Sta Water sample description shou Color Odor Sheen Tu	iining Textur Ild include: Irbidity			<u></u>		Rev	niewed by: 154W	2/L	venza	Please
Munsell Color Odor Sta Water sample description shou	uining Textur Ild include: urbidity						1. Jan	2/er 2/er	Versi L Dater 21	A .

Location ID: <u>1127</u> 5 Date: <u>4/18/38</u>			K	14 21 Hora					
				npling Informat					
Source /	Grou	ndwater / Product /		Surface Wate	r /	Soil	/ Sedimer	nts / Sludge	
Method	Bailer		Samp	le Bottle	/	Scoop		Trowel	
	Pump		Bacor	n Bomb	<b>6</b> .	Bowl		Hand Auger	
						Push Probe	10/17/20	Plastic Liner	V
Type/Construction	/	<u>/</u>		1		Mattocks		mi	V
Miscellaneous	Well Purg Yes - No	ing Form	1	7					
Sample Collection: 1551		Sample Type: (	 Composite	- MI - GTAD		Location:	Plotted o	n Map - Staked in J	Field
1 mansan a	Γ (below surfac		If MI, # of	f increments taken: _ Each Day - Each	ocation		Estimate	ed - Measured -	Surveyed
Field Parameters (at time of sample)		Ал	alytical	Parameters		0	ther Par	ameters	/
PID / FID Readings:		VOC				Corrosivity			
Background:	0.J ppm	SVOC				Reactivity Sulfide/Cy	anide	1	
Sample:	ppm	Explosives (Selected	1)	THTIROX		Ignitability			
Water Level	FT	Metals (Selected)		1 - 1 - 1 1000					
Temperature	۴C	Perchlorate					QA Sar	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	عانون	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
silty sand	Sampl Ko dry	e Description	clay i	if boaldes	Split Sam		Sample		
					Agency/C	ompany:		/	
					Address:		1	/	
Soil sample description should Munsell Color Odor St		e Sorting Plasticity N	Aoisture		QA/QC P Paramete	rovided: MS/MSD - Duplicate rs: Same as Above - A	- Trip Blanks s Listed	s Field Blanks	
Water sample description show						1			
Color Odor Sheen T	urbidity				-/				
······································	- { - { · · ·				2		10.0	$\sim \sim$	
	r so teris	(Please Pr	int)			eviewed by:	1 [11/1] 1 NH1/1	Date:	(Please Prir ADN)K
Signature: V	<u> </u>	······				Signature:		DawCZ_	4
						Q(- 1012	പംക		

Location ID: <u>U</u> 3DC	34- Pit	-	Field	Sampling R	eport	RVAAP Sub-Slab S	Sample an	d Removal, Rave	nna, (
Date: 18 ADY OX			6	rab samal	-from (	elevator sum		•	
				pling Informa	7 Mai	thsump)			
Source	Grou	ndwater / Product		Surface Wate		Soils	s / Sedimen	nts / Sludge	
Method	Bailer		Sampl	e Bottle	7	Scoop	X	Trowel	Τ
	Pump			Bomb		Bowl	X	Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction		/				Mattocks			
Miscellaneous	Well Purgi Yes / No	ng Form		/					
Sample Collection: 1530 Sample Depth: 3,5 -	hrs	Sample Type: C	If MI, # of	MI - Grab increments taken; Each Day - Each	Location	Location:		n Map Staked in P ed - Measured - S	
Field Parameters (at time of sample)		Ап	alytical	Parameters		O	ther Para	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background: Ø-0	2 ppm	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	pom	Explosives (Selected		TNATIPOX	VIOLUION	Ignitability			
Water Level	FT	Metals (Selected)			0				
Temperature	°C	Perchlorate				/	QA San	nples	
Sp. Conductance:	uMHOs	PCBs				M\$/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate D			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip/Blank ID			NA
Turbidity	N.T.U.								
Stamet Zone	stamme	possible er and with ct ), roodor,		Plestic,	Split Sampl			<u></u>	
Soil sample description show Munsell Color Odor Water sample description sh Color Odor Sheen	Staining Texture h <b>ould include:</b>	e Sorting Plasticity M	loisture		QA/QC Pro	Same as Above - As		s - Field Blanks	
Logged By: BYAN Signature: Signature:	/evero Liver	(Please Pri	nt)			iewed by: <u>Jenni G</u> ignature: Junfr St	is Sh hypord	upord Date: [()[2	_(Please 4/06
Signature: /A	<u>~~~~~~~</u>	<del>]</del>			S	AC Jul	- 11/	Date: 102	110

Location ID: <u> </u>	<u> </u>	035-000/20		Sampling Re	port	RVAAP LL 2, 3, and	4 Sub-S	ab Sample, Ravenn	a, OH
				pling Informat	ion				
Source /	Grou	adwater / Product /		Surface Wate	r /	Soils /	Sedimer	nts / Sludge	
Method	Bailer		Samp	le Bottle	1	Scoop		Trowel	
	Pump		Bacor	Bomb		Bowl		Hand Auger	
	·			1		Push Probe		Plastic Liner	
Type/Construction	/			1		Mattocks		me	~
Miscellaneous	Well Purgi Yes - No	ing Form	/						
Sample Collection: <u>1500</u> hrs  }0cf02		Sample Type: Con If e) Decon: Ded	MI, # of	- MI - Grad increments taken: Each Day - Each	Location	Location:	Plotted o Estimate	n Map - Staked in Fiel ed - Measured - Sta	veyed
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Par	ameters	
PID / FID Readings:		VOC				Corrosivity			
Background:	Ø.∂ <sup>ppm</sup>	svoc	+			Reactivity Sulfide/Cya	nide		
Sample:	ррт	Explosives (Selected)		TNT/ROX		Ignitability			
Water Level	FT	Metals (Selected)		11-11-04-	i,				
Temperature	τ	Perchlorate					QA Sar	nples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite				Duplicate ID		1	IA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse H		1	ĮA
Redox Potential	тV	Propellants				Trip Blank ID		1	ĮA
Turbidity	N.T.U.	-							
sind to dry brow.	Sampl	e Description			Split Samp Name: Agency/Con Address:	le ID:	Sample		
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	ing Texture i <b>nclude:</b>	e Sorting Plasticity Moi	sture			ovided: MS/MSP Duplicate - s: Same as Above - As		Field Blanks	
Logged By: KAUYER S	s teh	(Please Print)	)			viewed by: <u>540</u> ignature: Amel	/er	Date: ) Af	lease Print)

Location ID: <u> </u>					pling Informat					
Source	Grou	idwater / Product	/		Surface Wate		So	ils / Sedimen	ts / Sludge	
Method	Bailer	7		Sample	e Bottle	X	Scoop		Trowel	
	Pump		8 	Bacon	Bomb		Bowl		Hand Auger	
	<b>F</b>						Push Probe	5 19-100	Plastic Liner	
Type/Construction			0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Mattocks		fmc	
Miscellaneous	Well Purgi	ng Form		1	1		······································			
Sample Collection: <u>1445</u> hr ) 70 × 08 × 1 Sample Depth: <u>0 - 4</u> FT	Yés - No s (below surfac		If M	/II, # of	- MI - Grab increments taken: Each Day - Each	Location	Locatio	n: Plotted or Estimate	n Map - Staked in F d - Measured -	ield Surveyed
Field Parameters (at time of sample)			Analy	tical I	Parameters			Other Para	ameters	/
PID / FID Readings:		VOC			······		Corrosivity			
Background:	0°.) ppm	SVOC					Reactivity Sulfide/	Cyanide		
Sample:	ррт	Explosives (Sele	cted)	V	TNT/RDX		Ignitability			
Water Level	FT	Metals (Selected			TRIPION					
Temperature	τ	Perchlorate						QA San	nples /	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N		NA
pH	units	Nitrate / Nitrite					Duplicate ID		/	NA
Dissolved Øxygen	Mg/L	TPH DRO / HRO	) )				Equipment Rinse ID			NA
Redox Potential	۳	Propellants					Trip Blank-ID			NA
Turbidity	N.T.U.				-					
dry brown t	Sampl	e Description	7			Split Sampl Name: Agency/Con Address:	e D:	lit Sample		
Soil sample description should i Munsell Color Odor Stai Water sample description shoul Color Odor Sheen Tur	ining Texture I <b>d include:</b>	Sorting Plastici	ty Moist	ture		QA/QC Pro Parameters	vided: MS/MSD Duplica : Same as Above -	As Listed	- Field Blanks	
Logged By:	Sotelo	(Please	e Print)				ewed by: 15th	n Leve Weren	γνη W Date: <u>2]</u>	_(Please Print) AWB

Location ID: <u>1462</u> Date: <u>4/18</u>			J	~ ~ ~	Sampling R	- <b>r</b>	RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Ravenna,	, ОН
				San	pling Informa	tion				
Source /	Grou	ndwater / Producț	1		Surface Wate		Soils	Sedime	ats / Sludge	<u> </u>
Method	Bailer			Samp	e Bottle	×.	Scoop	T	Trowel	]
	Pump			Bacon	Bomb	/	Bowl		Hand Auger	$\mathbf{T}$
							Push Probe	1	Plastic Liner	1
Type/Construction		<u> </u>			-		Mattocks	1		<u> </u>
Miscellaneous	Well Purg	ing Form		. /					<u>1</u>	<u> </u>
Sample Collection: $\frac{1 \times 00}{1 \times 00}$ in $\frac{1}{20 \times 100}$ FT Sample Depth: $\frac{1}{2} - 1$ FT	Yes - No 15 (below surfac	Sample Tyj c) Decon:	lf M	[I, <b>#</b> of	- Ml - Grab increments taken: Each Day - Bach		Location:	Plotted o Estimate	n Map - Flaked in Field ed - Measured - Servi	eyed
Field Parameters (at time of sample)			Analyt	ical	Parameters		Ott	ier Par	ameters	
PID / FID Readings:	_	voc			-		Corrosivity			Γ
Background:	Ø.J ppm	SVOC					Reactivity Sulfide/Cya	nide		
Sample:	nqq	Explosives (Sele	cted)	V	TNT/ROL		Ignitability			1
Water Level	FT	Metals (Selected	)		- mar prox					1
Temperature	÷÷	Perchlorate		•	· · · · · · · · · · · · · · · · · · ·			QA Sar	nples	/
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	0 N	₹A
рН	nútz	Nitrate / Nitrite					Duplicate ID	$\angle$	NA	4
Dissolved Øxygen	Mg/L	TPH DRO / HRO	C				Equipment Rinse IB		NA	4
Redox Potential	m٧	Propellants					Trip Blank ID		N/	4
Turbidity	N.T.U.									
maist bonch	Sampi ~~/gr	e Description	,666e	<u>ح</u>		Split Sampl		ample	/	/
	<b></b>				·	Name: Agency/Cor	naanv:			
		······································			· · · · · · · · · · · · · · · · · · ·	Address:			/	
		·						<u> </u>		
Soil sample description should Munsell Color Odor Stat		Sorting Plasticit	y Moistu	æ			wided: MS/MSD_Ouplicate - : Same as Above - As I		- Field Blanks	
Water sample description shoul	lð include:									
Color Odor Sheen Tur	rbidity									
Logged By: <u>Lotvier</u> S Signature: <u>Vire So</u>	ofelu UE	(Please	e Print)				iewed by: <u>J. Star</u> gnature: <u>AMA</u>	lo V(r)	Uling (Please L Date: 21April	15e Print)
						į	DC- Jo Ishulo	B		

Location ID: <u>LL3 EB4</u>	AVP1-	<u>55-0 755N</u> -	000 i- ;	Field	l Sampling F	leport		RVAAP LL 2, 3, and	4 Sub-S	lab Sample, Ravenn	ua, OH		
Date:4/16/38													
				Sar	npling Inform	ntion							
Source /	Grou	ındwater / Produ	ct /		Surface Wa	er		Soils	Sedimer	nts / Sludge	<u> </u>		
Method	Bailer		$\mathbb{V}^{-}$	Samp	le Bottle	/	<u> </u>	Scoop	Γ	Trowel	Τ		
	Pump		[	Baco	n Bomb	/		Bowi		Hand Auger	+		
								Push Probe	i	Plastic Liner	-		
Type/Construction		/	L					Mattocks			1		
Miscellaneous	Well Purg Yes - No	ing Form								F			
Sample Collection: <u>1145</u> hrs A_FO(408_ Sample Depth: <u>0</u> _ 1 FT (		Sample T	Lf.	MI, # 0	- MI - Grab fincrements taken: Each Day - Each	Location		Location:	Plotted or Estimate	n Map - Staked in Field d - Measured - Sur	i veyed ⊾e>s		
Field Parameters (at time of sample)			Analy	ytical	Parameters			Oth	er Para	ameters	/		
PID / FID Readings:	2 )	VOC						Corrosivity			T		
Background: C	3,2 <sub>թթու</sub>	SVOC						Reactivity Sulfide/Cyan	jde	F	1		
Sample:	/ ppm	Explosives (Se	ected)		TUT ROX			Ignitability			+-		
Water Level	FT	Metals (Selecte	d)								+		
Temperature	۳C	Perchlorate							A Sam	ples			
Sp. Conductance:	шMHOs	PCBs						MS/MSD	D Yes / No				
рН	units	Nitrate / Nitrite						Duplicate ID		N	A		
Dissolved Oxygen	Mg/L	TPH DRO / HE	0					Equipment Rinse ID		N	A		
Redox Potential	۶nV	Propellants						Trip Blank ID		N	A		
Turbidity	N.T.U.												
brown silty sand	Sample w/clay	Description	<u>vir</u>			Split S	ample	Split Sa ID:	mple				
		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	Name							
		· · · · · · · · · · · · · · · · · · ·				Agenc							
						Addre		pany:					
											·		
Soil sample description should inc	lude:					OA/0	2 Provi	deg: MS/MSD - Duplicate - Ti	in Blanks -	Field Blocks			
Munsell Color Odor Staini	ng Texture	Sorting Plastici	ty Moist	ure		Param	eters:	Same as Above - As Li	sted	an a			
Water sample description should i	nclude:												
Color Odor Sheen Turbi	dity					1 <u>202</u> 51000							
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·											
Logged By: <u>Avier Sol</u>	44	(Please	e Print)				Review	ved by Stan	love	MAN (Pleas	ie Print)		
Signature: Kin	$\underline{SAO}$						Sign	arung Am Als	64	Date: 21/4/21	ÙK		
							QC	- Jo 10/24/08	$\mathcal{O}^{\perp}$				
								3					

		0275N-000}s							
····			San	npling Informa	tion				
Source	Grou	ndwater / Product		Surface Wat	er 🦯	Soil	s / Sedimer	ats / Sludge	·····
Method	Bailer		Samp	le Bottle	4	Scoop		Trowel	
	Pump		Bacor	а Вотв		Bowl	superior	Hand Auger	
						Push Probe		Plastic Liner	L
Type/Construction						Mattocks			
Miscellaneous	Well Purg	ing Form				201 12	C	Imc	
Sample Collection: 0955 17946 Depth: 0-4 F	hrs	Sample Type: Con If Decon: Decon:	MI, # of	- MI - Grab f increments taken Each Day - Each	Location)	Location	: Plotted of Estimate	n Map - Staked i cd - Measured	n Fieta - Surveye
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Para	ameters	
PID / FID Readings:	voc				Corrosivity		$\square$		
Background:	svoc				Reactivity Sulfide/Cy	vanido			
Sample:	ppin	Explosives (Selected)	V	Tut/Ray		Ignitability	<u> </u>		
Water Level							···· · · ·	·····	
Temperature	r	Perchlorate					QA San	nples	/
Sp. Conductance:	aMHOs	PCBs				MS/MSD	Yes / No	,	NA
рН	voits	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/[.	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
dry to maist,	Sampl	e Description ty clay w/ con	stru	ctiondebris	Split Sam		t Sample		
					Name:			1	
	· · ·				Agency/C	ompany:			
					Address:		<u> </u>		
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture						rovided: MSAMSD - Duplicate rs: Same as Above - As		- Fieki Blanks	
Water sample description should include:									9996.5 76 <u>9.</u> 333
Color Odor Sheen Turbidity									
Logged By: VAULU	Sotelo	(Please Print)			Re	viewed by	n ler	<u>Phres</u> 7_ Date: 21	(Please Pr

F.	d Sampling R		RVAAP LL 2, 3, and	l 4 Sub-S	lab Sample, Raver	ına, OH
	mpling Informa					
ct	Surface Wat	er /	Soils	/ Sedime	nts / Sludge	
Sam	ple Bottle	Λ	Scoop		Trowel	
Bac	on Bomb		Bowł		Hand Auger	
			Push Probe	Uperto	Plastic Liner	
			Mattocks			
ing Form					UMC	
If MI, # -	e - MI - Grab of increments taken: - Each Day - Fach	Location	Location:	Plotted o Estimate	n Map - Staked in F ed - Measured - S	ield inveyed
Analytica	l Parameters		Ot	her Par	ameters	
	-		Corrosivity			
			Reactivity Sulfide/Cya	nide		
elected)	TNT/RDX		Ignitability			
ed)						
				QA Sar	nples	
			MS/MSD	Yes / N	0	NA
e			Duplicate ID			NA
RO			Equipment Rinse ID			NA
			Trip Blank ID		<u></u>	NA
		Split Sampl	e ID:	Sample		_
	·····	Agency/Cor Address:	npany:	_/		
icity Moisture		OA/OC Pro	vided: MS/MSC - Duplicate - : Same as Above - As	Trip Blank: Listed		
Water sample description should include:						
		$\neq$	The second s			
ase Print)			Alex V	12		(Please Print
	ase Print)	ase Print)	ase Print) Revi Si	ase Print) Reviewed by: Signature:	ase Print) Reviewed by:	ase Print) Reviewed by: Stak Lawers Signature: Aller Date: All

Location ID: <u>142 D B</u> . Date: <u>4/18/39</u>	14-212		-50	28-21AP1	, 	RVAAP LL 2, 3, an	ad 4 Sub-S	lab Sample, Ri	avenna, O	
				npling Inform		,				
Source	Grou	ndwater / Product /		Surface W	ater	Soil	ls / Sedime	nts / Sludge		
Method	Bailer	/	Samp	)le Bottle	Λ	Scoop		Trowel		
	Pump		Baco	n Bomb		Bowl		Hand Auger		
						Push Probe	1 LON	Hand Auger Plastic Liner	L	
Type/Construction	/					Mattocks				
Miscellaneous	Well Purg Yes - No	ing Form	ıg Form				UN	а <u>с.</u> ,		
Sample Collection:       091.0         / Jay Jul       hrs         Sample Depth:       0         - 4       FT (below surface)         Decon:       Dedicated - Each Day - Each Locat						Location	: Plotted o Estimate	n Map - Staked i ed - Measured	n-Field - Surveyed	
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Par	ameters		
PID / FID Readings:	÷					Согтозічіту				
ackground: O.D. ppm SVOC						Reactivity Sulfide/C	ande			
Sample:	Sample: ppm Explosives (Selected)					Ignitability				
Water Level	Metals (Selected)		+NT/ROX							
Temperature ° Perchlorate							QA San	ples	/	
Sp. Conductance:	Sp. Conductance: uMHOs PCBs					MS/MSD	Yes / N	» /	NA	
рН	ប្រាំវេទ	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID		<del>.</del>	NA	
Redox Potential	٧m	Propellants	<u> </u>			Trip Blank ID	<b> </b>		NA	
Turbidity	N.T.U.						<u> </u>			
<u>brown</u> silly	Sampl	e Description	· · · ·		Split Sampl Name: Agency/Con	e D;	t Sample			
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity Logged By: <u>X4v:cr Sofeels</u> (Please Print) Signature: <u>Mm</u> Satub					Address: QA/QC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks Parameters: Same as Above - As Listed Reviewed by: A GAM Mayong Press Prince					

Location ID: DB4, Date: 4/18/08	4-5B-0	22 5~ -0001-5	eport	RVAAP LL 2, 3, and 4	l Sub-S	lab Sample, Rave	nna, OH		
Date: 4/18/08			F	"al Apr					
Date:									
1			San	pling Informa		Soile /	Sadimar	nts / Sludge	
Source		ndwater / Product	and a second	Surface Wate		Scoop		Trowel	
Method	Bailer		i Angela En Ng kalang	ante transformation Gruppanet te transform	-				
	Pump		Bacor	i Bomb		Bowl	0 246	Dialid Auger	
/						Push Probe		Plastic Liner	
Type/Construction				/		Mattocks		<u> </u>	
Miscellaneous	Well Purgi Xes - No	ng Form					$\mathcal{I}\mathcal{N}$	10	
Sample Collection: <u>0945</u> hrs N 146508 <u>0 - 4</u> FT Sample Depth: <u>0 - 4</u> FT	s (below surfac		MI, # of	- MI - Graß increments taken: Each Day - Each	Location	Location: I	Plotted o Estimate	n Map - Staked in F ed - Measured -	Field- Surveyed 2 PS
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Par	ameters	
PID / FID Readings: VOC						Corrosivity			
Background:	Background: 0.0 ppm SVOC					Reactivity Sulfide/Cyan	ide	1	
Sample:	TNT/ROX		Ignitability						
Water Level									
Temperature <sup>°C</sup> Perchlorate							QA San	nples	
Sp. Conductance	υMHOs	PCBs				MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite	-			Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mν	Propellants				Trip Blank-ID		-	NA
Turbidity	N.T.U.								
\$rown \$	Sampl	e Description			Split Sampl	e D:	ample		/
	,				Agency/Con Address;	npany:	/		
Soil sample description should		Sorting Planticity Ma	511170		QA/QC Pro Parameters	wided: MS/MSD - Duplicate : Same as Above - As L	Trip Blanks isted	s Field Blanks	
Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include:									
Color Odor Sheen Tur	rbidity				1				
Logged By: <u>XAULA</u> Signature:	Se kin Sotat		)			iewed by <u>Stain</u> gnature	Jer M	n Date: 21	_(Please Prin
· · · ·					G	2C- 18 10/24 10	3		

		-0215N_000]- 		mpling Inform				·	· · · · · · ·	
Source	Grou	ndwater / Product	581 	Surface Wa		1	Soite	/ Sadima	nts / Sludge	
Method	Bailer		Sam	ple Bottle			Scoop	/ Seume	Trowel	
	Pump		Bacon Bomb				Bowi		Hand Auger	
							Push Probe		Plastic Line	
Type/Construction		/				Mattocks				
Miscellaneous	Well Purg Xes - No	ing Form		a far an					UMC	
Sample Collection: 	and the second	Sample Type: Cor lf	nposite MI, # o icated	- MI - Grab of increments taken: - Each Day - Each	Location	<u>.</u>	Location:	Plotted o Estimate	n Map - Staked ed - Measured	in Field I - Surveya GPS
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oti	ner Par	ameters	
PID / FID Readings:		VOC					Corrosivity		$\square$	
Background:	G.D ppm	SVOC					Reactivity Sulfide/Cya	nide		
Sample:	त्रात्वय	Explosives (Selected)		TNT/RDX	1		Ignitability			
Water Level	FT	Metals (Selected)								
Temperature	°C	Perchlorate						QA San	nples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / N	0	NA
рН	units	Nitrate / Nitrite					Duplicate ID	/		NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID			NA
Redox Potential	Vai	Propellants	ļ				Trip Blank ID			NA
Turbidity	N.T.U.									
dry brow.	Sample Sility C	e Description			Split S	Sample	: D:	ample		
·····					Name				/	/
					Agenc		ipany:		/	444.274 244.274
	· · · ·				Addre	:::::::::::::::::::::::::::::::::::::::		/		
	-						/			
							/			
Soil sample description shou					QA/Q Paran		rided: MS/MSD - Duplicate Same as Above - As L		- Field Blanks	
	Munsell Color Odor Staining Texture Sorting Plasticity Moisture									
	ater sample description should include: Color Odor Sheen Turbidity					/				
Color Outri Sheen, Turoluuy					$\leftarrow$		na <u>Balana an</u> Chanairte Callana Chanairte Chanairte Chanairte Chanairte			
Logged By: XAULER	gged By: <u>AU: 17 So te Lo</u> (Please Print)					Revie	wed by: SHANG	RAPEA	<u>a produkti stalja</u> A	(Please Pri
	- Satul						nature:	War	Date:	Apul
								0		

Date:4/18	108									
			San	npling Informa	tion					
Source /	Grou	ndwater / Product		Surface Wate	er	/	Soils	/ Sedimer	nts / Sludge	
Method	Bailer	X	Samp	le Bottle		7	Scoop		Trowel	
	Pump		Bacor	1 Bomb	/		Bowl		Hand Auger	
							Push Probe	V	Plastic Liner	
Type/Construction	1 /		n Ngan da B	a fa si			Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form							•	
Sample Collection: $\underline{(391)}$ $4 [90 \le 0]$ Sample Depth? $0 = 1$ F		Sample Type: Cor If	MI, # ol	- MI - Grab fincrements taken: Each Day - Each	Location	a`	Location:	Plotted or Estimate	n Map - S <u>taked</u> ed - Measured	n Field - Syr
Field Parameters (at time of sample)		Anal	ytical	Parameters			Oth	ier Para	ameters	
PID / FID Readings:		voc					Corrosivity			
Background:	().) ppm	svoc		-			Reactivity Sulfide/Cya	nide	1	
Sample:	рл	Explosives (Selected)					Ignitability		+	
Water Level	FT	Metals (Selected)	+	TNT/ROX						
/	<b>/</b>							04.0		
Temperature		Perchlorate	<u> </u>					QA San		<u> </u>
Sp. Conductance:	uMHOs units	PCBs Nitrate / Nitrite						Yes / N	<u> </u>	
pH Dissolved Oxygen	Mg/L	TPH DRO / HRO					Duplicate ID Equipment Rinse ID	/		N
Redox Potential	mg / 2 mV	Propellants	+	· · · · ·			Trip Blank JD			N
Turbidity	N.T.U.									
Silty sand Soil sample description should Munsell Color Odor Sta Water sample description shou Color Odor Sheen Tu	0.75 bys	e Description +o Lego Clay Sorting Plasticity Mois	· · · · · · · · · · · · · · · · · · ·		Agen Addr  QA/Q	cy/Côn ess: )C Pro			- Field Blanks	
Logged By: XArier S.	ngged By:					Revi	ewed by: 0 Star	1 Lev	hf	PA
Signature:	N. C+1						mature Antw	m	Date: Z	14
		, <del>1913 - 1920 - 1939 - 1939 - 19</del> 39 - 193	<del>inin</del>			6	2 C - Jo 10/24	(0E		

Location ID: 12251	-55-03	32 SN -000 (-5)	Field	Sampling R	Report	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	enna, (
Date: 4/18/0	·{								
			San	pling Inform	ation				
Source	Grov	ndwater / Product		Surface Wa		Soils /	Sedimen	its / Sludge	
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
	Pump			Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
						Mattocks			— <u> </u>
Type/Construction								l	l.
Viscellaneous	Well Purgi Yes - No						<u> </u>		
Sample Collection: <u>0960</u> hrs Sample Depth: <u>0</u> - 1 FT (	(below surfac	Sample Type: Con If e) Decon: Ded	MI. # of	- MI - Grab f increments taken: Each Day - Haci	h Location	Location: —	Plotted or Estimate	n Map - Stak <u>ed in I</u> 2d - Measured -	Field
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oth	er Para	ameters	$\leq$
PID / FID Readings: VOC						Сопозічіту			
Background: (	D.U ppm	SVOC				Reactivity Sulfide/Cyar	nide	]	
Sample: PPM Explosives (Selected)				TNT/ RDX		Ignitability			
Water Level FT Metals (Selected)									
Femperature <sup>*C</sup> Perchlorate							QA San	nples	
Sp. Conductance:	uMHOs	PCBs					Yes / N	-	N/
pH	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	<b> </b>		-	Equipment Rinse ID	$\nearrow$		NA
Redox Potential	mV	Propellants	-			Trip Blank ID			NA
Turbidity	N.T.U.								
	Sampl	e Description				Split S	ample		
si Lity sand	0.5175	to clay		·····	Split Sam	ple ID:			
					Name:			/	
					Agency/C	ompany:		-/	
					Address:		/		
							/		
Soil sample description should in	nclude:					rovided: MS/MSD Duplicate -		- Field Blanks	
Munsell Color Odor Stain	ung Texture	Sorting Plasticity Moi	sture		Paramete	rs: Same as Above - As I	isted		
Water sample description should include:									
Color Odor Sheen Turbidity						_			<u>e drei.</u> - 2007
ogged By: Xaur Sotelo (Please Print)					R	eviewed by:	LØ	ingl	(Please
Logged By: Xaner S	204610	ignature: Vroin Sotule						Date: 21/-	100

Location ID	: LL2 DB 8-55-031 SU-0001-50	F
Data	4/18/08	

## **Field Sampling Report**

Date:										
			Sam	pling Informa	tion		<b>,</b>		<u>.</u>	
Source	Grou	ndwater / Product		Surface Wat	ter		Soils	/ Sediment	ts / Sludge	
Method	Bailer		Sampl	e Bottle			Scoop		Trowel	
	Pump		Bacon	Bomb			Bowł		Hand Auger	
					Push Probe		Plastic Liner			
Type/Construction				/	* .*1	• •	Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form	/							
Sample Collection: <u>0845</u> hrs J-[76-08-] Sample Depth <u>-</u> 1 FT		Sample Type: Con If J e) Decon: Dedi	MI. # of	- MI - Grab increments taken: Each Day - Each	en:Estimated - Measured					l reyed
Field Parameters (at time of sample)							Ot	her Para	meters	
PID / FID Readings:							Corrosivity			
Background: C	mga G.C	SVOC				Reactivity Sulfide/Cya	nida			
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX			Ignitability			
Water Level	ater Level FT Metals (Selected)									
Temperature	Femperature °C Perchlorate							QA Sam	ples	$\geq$
Sp. Conductance:	Conductance: uMHOs PCBs						MS/MSD	Yes / No	r	NA
рН	units	Nitrate / Nitrite					Duplicate ID		N	A
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID			A
Redox Potential	mV	Propellants					Trip Blank ID		N	A
Turbidity	N.T.U.					· · · · · · · · · · · · · · · · · ·				
moist med sti	Sample fF b().	e Description			Split Nam	Sampl		Sample		/
					Agen	су/Соп	npany:		/	
					Addi	ess:		1	/	
								/		
Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity						9C Pro meters	vided: MSAASD Duplicate - : Same as Above - As	Listed		
Logged By: <u>YAvier So</u> Signature: <u> </u>	telo Stilo	(Please Print)		·····, ·······························			iewed by:	1914 1	Date: 211	
							De- jo 10/2	1 (08		

Location ID:D	61-55-0	865N-2001-52	Field	Sampling R	leport	RVAAP LL 2, 3, an	d 4 Sub-Sl	ab Sample, Ra	venna, Oł
Date:4/1									
/att		······································	Sam	pling Informa	ation				
Jource /	Grou	ndwater / Product		Surface Wat		Soils	; / Sedimen	its / Sludge	
Method	Bailer		Şampl	e Bottle	X	Scoop		Trowel	
	Pump		Васоп	Bomb		Bowl		Hand Auger	
						Push Probe		<ul> <li>Plastic Liner</li> </ul>	
'ype/Construction	+		<u></u>			Mattocks			
Ascellaneous	Well Purg Yes - No	ing Form	g Form				<b>L</b>	<u> </u>	
ample Collection: <u>0825</u>  70408 ample Depth <u>9 -  </u>		Sample Type: Cor If e) Decon: Ded	MI, # of	- MI - Grad increments taken: Each Day - Each	Location	Location:	Plotted of Estimate	n Map - <u>Staked in</u> ed - Measured	Field
Field Parameters at time of sample)				Parameters		0	iher Para	ameters	
PID / FID Readings: VOC						Согтозічіту			
ckground: $\mathscr{O} - \mathcal{V}$ ppm SVOC						Reactivity Sulfide/Cy	anida		
Sample:	le: ppm Explosives (Selected) TNT/ RDX					Ignitability			
Vater Level	FT	Metals (Selected)							
remperature ° Perchlorate							QA San	nples	/
p. Conductance:						MS/MSD	Yes / N	0	NA
он	units	Nitrate / Nitrite				Duplicate ID		/	NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
furbidity	N.T.U.								
moist brown	Sampl	e Description			Split Sam		Sample		
					Name:			/	
					Agency/C	Company:			
					Address:		7	/	
	-						/		
						/			
Soil sample description shou	ld include:				QA/QC P Paramete	Provided: MS/MSD Duplicate ers: Same as Above - As	- Trip Blanks	- Field Blanks	
Munsell Color Odor S	Staining Texture	Sorting Plasticity Mois	sture		Taramete				e San Indonesia Sen San San
Water sample description she	ould include:					/			
Color Odor Sheen Turbidity									
					1				
Logged By: <u>XAUIT</u> Signature: <u> </u>	Sotelu	(Please Print)			R	eviewed by: 1.540 Signature: 2.00	nlas	by	Please Pri
	CLI					$\sim$ $2 \sqrt{2} \sqrt{2}$	AN al		1610All

Location ID:D		55N-0001-50	Field	Sampling R	leport	RVAAP LL 2, 3, and	4 Sub-Sl	ab Sample, Rave	enna, C	
Date: 4 /17/08	, 									
			Sam	pling Informa	ation	· · · · · · · · · · · · · · · · · · ·				
Source	Grou	ndwater / Product	 	Surface Wat	ler	Soils / Sediments / Sludge				
Method	Bailer		Sampl	e Bottle		Scoop		Trowel		
	Pump		Bacon	Bomb		Bowl		Hand Auger		
						Push Probe	1	Plastic Liner		
Type/Construction						Mattocks				
Miscellaneous	laneous Well Purging Form									
Sample Collection: <u>0755</u> NPOCT 08 Sample Depth: 0 - 1	Yres - No hrs FT (below surfac		MI, # of	- MI - Grab increments taken: Each Day - Each		-	Estimate	n Map - Steked in F id - Measured - S	Field Syrve	
Field Parameters (at time of sample)		Anal	ytical l	Parameters		Ott	her Para	ameters	$\leq$	
PID / FID Readings: VOC						Сопозічіту				
Background:	O - U ppm SVOC					Reactivity Sulfide/Cya	nida			
Sample:	ppro	Explosives (Selected)		TNT/ RDX		Ignitability				
Water Level	1 FT	Metals (Selected)								
Temperature	۴	Perchlorate					QA San	ıples		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	·	Ň.	
рН	units	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg / L	TPH DRO / HRO			· · · · · · · · · · · · · · · · · · ·	Equipment Rinse ID			NA	
Redox Potential	тV	Propellants				Trip Blank ID			ŇA	
Turbidity	N.T.U.									
dry 610	. Sampl un silty CI	e Description			Split Samp		Sample		/	
					Name:					
					Agency/Co	mpany:				
					Address:			/		
	<b></b>						1			
							/			
Soil sample description shou	ld include:				OA/OC P-	ovided: MS/MSD Duplicate -	Trip Blanks	<ul> <li>Field Blanks</li> </ul>		
		Sorting Plasticity Moi	sture		Parameter					
Water sample description sh		<b>.</b>								
						1				
Color Odor Sheen	Turbidity							and the second second second	177 E.	

Logged By:	KAUIN Sotela (Please Print)	Reviewed by: Reviewed by: (Please Print)
Signature:	Vin Sotele	Signature: An three Date: 21101

QC- 18 10/24/08

Location ID: LUZEBYA - S	B-1005N-6001-Se

**Field Sampling Report** 

Date:	<u>ч</u> -	21	50	8

Date: (Crod											
	<b>.</b>			San	npling Informa	tion		· · · · · · · · · · · · · · · · · · ·			
Source	Groundwater / Product			Surface Water			_	Soils / Sediments / Sludge			
Method	Bailer			Samp	le Bottle			Scoop		Trowel	
	Pump	N		Bacor	n Bomb			Bowl		Hand Auger	
			A	ſ	89 4-21-01	<b>.</b>		Push Probe		Plastic Liner	$\checkmark$
Type/Construction								Mattocks		.2mC	
Miscellaneous	Well Purg Yes - No	ing Form				n de la cara de Novel - Cara de Novel - Cara de la composition Novel - Cara de la composition					
Sample Collection: $\frac{120}{5}$ hrs Sample Depth: $\frac{5-4}{5}$ FT	s (below surfac		If	MI, # 0	- MI - Grab f increments taken: Each Day - Bach		5	Location: Ple E	stimate	Map-Staked in Fie d - Measured - Su	rveyed
Field Parameters (at time of sample)			Anal	ytical	Parameters			Other	Рага	meters	
PID / FID Readings:		voc						Corrosivity			
Background: Ò	· 🔿 ppm	svoc						Reactivity Sulfide/Cyanid	e		
Sample:	ppm	Explosives (Se	lected)	1	ROX/TNT			Ignitability			
Water Level	гт	Metals (Selecte	ed)		· · · · · · · · · · · · · · · · · · ·					/	
Temperature	്റ	Perchlorate						QĄ	Sam	ples 🙏	
Sp. Conductance:	uMHOs	PCBs				,	,	MS/MSD Ye	s / No		NA
рН	units	Nitrate / Nitrite						Duplicate ID		4-21-08	NA
Dissolved Oxygen	Mg / L	TPH DRO / HE	RO					Equipment Rinse ID		1	NA
Redox Potential	mV	Propellants						Trip Blank ID		1	NA
Turbidity	N.T.U.										
med Stiff, dry trace gravel,	Sampl <u>, Orow</u> w ce	e Description <u> <u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> </u></u>	to s	iandy	<u>r clay</u>	Split Sa	mple	Split Sam ID:	ıple		/
						Name:		line en selector el proprio en la comenzación reconocidades proprios de las presidentes de selector reconocidades en la proprio estategia per proprio de las			
	· · ·					Agency/Company:					
						Address:					
Soil sample description should include:				QA/QC Provided: MS/MSD Duplicate - Trip Blanks - Field Blanks							
Munsell Color Odor Staining Texture Sorting Plasticity Moisture			Parameters: Same as Above - As Listed								
Water sample description should include:											
Color Odor Sheen Turb	vidity						/				
			•								
Logged By: Brenda	Prat	(Pleas	e Print)			R	Reviev	wed by: to Ann Br	RTS	A	case Pfint)
Signature: <u>Brunde</u>	Prov	<u> </u>					Sign	ature: Allan Dari	tech	Date:///	-[08
								V			

.

## Location ID: LL3 EBYA-SB-1015N -0001-50

**Field Sampling Report** 

<b>D</b> (	- U	1-1	1-0	1
Date:	_	( a	10	0

			Sar	npling Informa	tion					
Source	Grou	Groundwater / Product			er	Soils / S	Soils / Sediments / Sludge			
Method	Bailer		Samp	le Bottle		Scoop	Trowel			
	Pump	N	Bacor	n Bomb		Bowl	Hand Auger			
		A	BG	> 4-21-08		Push Probe	Plastic Liner 🗸			
Type/Construction						Mattocks	JMC 1			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: <u>J200</u> hr Sample Depth: <u>0- 4</u> FT	s (below surfac	Sample Type: Cor If Decon: Ded	MI, # o	- MI - Grab f increments taken: Each Day - Each	) Location>	Location: •	lotted on Map Staked in Field Estimated - Measured - Surveyed			
Field Parameters (at time of sample)		Anal	ytical	Parameters		Othe	er Parameters			
PID / FID Readings:		VOC				Corrosivity				
Background:	0-0 ppm	SVOC				Reactivity Sulfide/Cyani	de			
Sample:	angg	Explosives (Selected)	X	TNT/Rig		Ignitability N				
Water Level	FT	Metals (Selected)				· · · · · · · · · · · · · · · · · · ·				
Temperature	°C	Perchlorate				Q	Samples			
Sp. Conductance:	uMHOs	PCBs				MS/MSD Y	es/No Δ. NA			
рН	บกปร	Nitrate / Nitrite			:	Duplicate ID	BP 4-21-68 NA			
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	NA			
Redox Potential	mν	Propellants				Trip Blank ID	NA			
Turbidity	N.T.U.									
DR Higher Stavel DR Higher Stavel DR Higher Stavel DR Higher Stavel DR Higher Stavel	Sample Scown W/ Cons	e Description Silty tu Sand t. dlbris	+γ		Name:	Company:				
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	sing Texture I <b>inclu</b> de: pidity	Sorting Plasticity Mois	ture		QA/QC1 Paramet	Provided: MS/MSD Duplicate - Tr ers: Same as Above - As Lis	A p Blanks - Field Blanks ted			
Logged By: Brenda	Prott	(Please Print)			R	eviewed by: 0 Any B	AFSCH (Please Print)			
Location ID: $\frac{1}{2} DB4$ Date: $\frac{1}{2} \frac{1}{2} 1$	-5 <i>B -</i> 01	4451/-001-50	Field	i Sampling I ぇぇ	Report	RVAAP LL 2, 3, and	4 Sub-Slab Sar	opie, Ravenna,		
---	-----------------------	---	-------------	---	----------------------------------	---	----------------------------------	------------------------------------	--	
Date: 4/23	100		<i>p</i>	101						
				npling Inform	ation					
Source	Grou	andwater / Product		Surface Wa	Vater Soils / Sediments / Sludge					
Method	Bailer		Samp	Sample Bottle		Scoop	Trow	el		
	Pump		Baco	n Bomb	/	Bowl	Hand	Auger		
				1		Push Probe	Plast	ic Liner		
Type/Construction				_/		Mattocks	ЈМС			
Miscellaneous	Well Purg Yes - No	ing Form						3		
Sample Collection: <u>1520</u> hr DOCNUS -> 0 - 3,5 FT Sample Depth:FT	1	Sample Type: Co If (e) Decon: Dec	MI. # 0	- MI Grad f increments taken Each Day Eac	h-Location	Location:	Rotted on Map - Estimated - M	Staked in Field easured - Surve		
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ott	ier Paramete	rs		
PID / FID Readings:		VOC				Corrosivity				
Background:	)- <i>)</i> ppm	svoc				Reactivity Sulfide/Cya	nide			
Sample:	anqq	Explosives (Selected)		TNT/ RDX		Ignitability	<u> </u>			
Water Level	FT	Metals (Selected)	-  <b>*</b>		<u>+</u>					
<b>Femperature</b>	r	Perchlorate	1				QA Samples			
Sp. Conductance:	uMHOs	PCBs	-			MS/MSD	Yes / No	N.		
pH	units	Nitrate / Nitrite				Duplicate ID		NA		
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA		
Redox Potential	mV	Propellants				Trip Blank ID		NA		
Turbidity	N.T.U.									
med. stiff	Sampl	e Description			Split Samp		Sample			
Petus	ul C 3	is je 10 purlos	3		Name:	n para panan Antari pan Antari panan antari panganan antari				
					Agency/Co	mpany:	/			
					Address:					
							<u></u>			
Soil sample description should i Munsell Color Odor Stain		Sorting Plasticity Moi:	sture			ovided: MS/MSD Duplicate - s: Same as Above - As I		lanks		
Water sample description should	l include:					1				
Color Odor Sheen Tur	bidity				7					
1/ -	r Sotelo SIU	(Please Print)	)			riewed by: <u>Stull</u> ignature: <u>A</u> MA	/entry	ate: MAP		
Signature:	Soteli					$\frac{1}{2} C - y (0/22)$	,	ate: AVP		

Location ID: <u>42084</u> Date: <u>4</u> /	-5B-04	1551/-3601-50	Field	Sampling F	Report	RVAAP LL 2, 3, a	nd 4 Sub-Słab Sa	mple, Ravenn	a, OH
Date: 4/	23/08		A						
				pling Inform					· · ·
Source	Grou	undwater / Product	San	Surface Wa		Soi	ls / Sediments / Si	udge	<u> </u>
Method	Bailer		Samp	le Bottle		Scoop	Tro		
Method			14,233X. T 299524, 1997	Bomb		Bowi	Har	id Auger	
	Ритр		Dacoi			Push Probe		tic Liner	~
Type/Construction	7	<u> </u>				Mattocks	JM	C	~
Miscellaneous	Well Purg Yes - No	ing Form	/				(		-1
Sample Collection: $\frac{ 5 }{2}$ hrs  7x+10  > 0 - 4 FT Sample Depth: 0 - 4 FT	s (below surfac	Sample Type: Con If Decon: Performed	MI, # of	- MI - Grab increments taken: Each Day - Each	Toeatidn	Location	Estimated - N	- Staked in Fiel Measured - Sur	d veyed
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Paramet	ers	
PID / FID Readings:		voc				Corrosivity			
Background: 🧷	-() <sup>ppm</sup>	SVOC				Reactivity Sulfide/C	yanida		
Sample:	ppm	Explosives (Selected)	0	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate					QA Samples		$\square$
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	ບກ່ານ	Nitrate / Nitrite				Duplicate ID:		N	IA .
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		N	łA
Redox Potential	mV	Propellants				Trip Blank ID		N	IA .
Turbidity	N.T.U.								
med.stiff,	Sampl dry , b ro	e Description	rave	L	Split Sample	Spli	t Sample		
					Name:				
					Agency/Con	npany:		/	
				<u></u>	Address:		/		
Soil sample description should in	clude:					vided: MS/MSD Duplicate		Blanks	
Munsell Color Odor Stain	ing Texture	Sorting Plasticity Mois	ture		Parameters:	: Same as Above - A	s Listed		
Water sample description should	include:								
Color Odor Sheen Turb	idity								
Logged By:Xavier	Sotelo	(Please Print)			Revie	ewed by:	leverge	(Ple	case Print)
Signature: Vie	Tot	\$			Sig	gnature: Ath	um.	Date: 21A	prus

• .

6c- ys 10/20103

Location ID: <u>422 DB4</u>	<u>-513 - 64</u>	165N-0001-50	Field	Sampling F A	leport	RVAAP LL 2, 3, an	ıd 4 Sub-Si	lab Sample, Rave	enna, OH
Date: 4/2	3/06		_						
				pling Inform					
Source	Grou	ndwater / Product		Surface Wa	ter /	Soil	s / Sedimen	nts / Sludge	•
Method	Bailer		Samp	e Bottle		Scoop		Trowel	
	Pump		Bacor	Bomb		Bowl		Hand Auger	
				1		Push Probe		Plastic Liner	V
Type/Construction	- /					Mattocks		ЈМС	
Miscellaneous	Well Purg	ing Form	1						
Sample Collection: <u>1455</u> hr	Yes - No	Sample Type: Co If		- MI - Grab		Location:	Estimate	n-Map - Staked in F	> field Surveyed
Foctor FT	(below surfac			Each Day - Each					
Field Parameters (at time of sample)		Anal	ytical	Parameters	• · · · · · · · · · · · · · · · · · · ·	O	ther Para	ameters	_
PID / FID Readings:		voc				Corrosivity			
Background: C	♪-⑦ ppm	svoc				Reactivity Sulfide/Cy	anido	1	
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	r	Perchlorate				:	QA San	nples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
Med. stit	Sampl ≁µd∧q_	e Description brown Clay u/g	ravel	<u>.</u>	Split Sampl	Split	Sample		
					Name:				
					Agency/Con	apany:	<u>in an an an a</u>		
		· · · · · · · · · · · · · · · · · · ·			Address:	<u>. Andreas de la Angeles.</u> Angeles de la Angeles de la		/	ومر <u>ار المراجع</u> والمراجع المراجع
<u> </u>									
Soil sample description should i	nclude:				QA/QC Pro	vided: MS/MSD Duplicate	<ul> <li>Trip Blanks</li> </ul>	- Field Blanks	
Munsell Color Odor Stain	ning Texture	Sorting Plasticity Mois	sture		Parameters	Same as Above - As	Listed		
Water sample description should	d include:					/			
Color Odor Sheen Tur	bidity								
								i in an	
Logged By: <u>Xavie</u>	er Sotelo	(Please Print)				ewed by	A 101	renge	(Please Print)
Signature:	- <u>-</u> Ni	<u></u>			Sig	nature: SIN-SU	svn	Date: _M	H-rok
					(	26- 2810	MIDE	5	
						$0^{\circ}$	ı		

Location ID: D	в4 -5 <u>1</u> 3 чи	0475N-0001~	Field	Sampling R A Aprile	eport	RVAAP LL 2, 3, an	d 4 Sub-Sl	ab Sample, Rav	venna, OH
Date:								·	
			Sam	pling Informa	tion				
Source	Grou	ndwater / Product		Surface Wat	er	Soil	s / Sedimer	nts / Sludge	
Method	Bailer		Sampl	e Bottle	$\overline{X}$	Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
				1		Push Probe		Plastic Liner	V
Type/Construction		/		/		Mattocks		ЈМС	V
Miscellaneous	Well Purg	ing Form	/		-				
Sample Collection: <u>1420</u> 17008 - 1420 Sample Depth: 0 - 14	Yes - No hrs FT (below surfac		f MI, # of	- MI - Grab increments taken: Each Day - Each	Location	Location:	Plotted o	n Map - Staked in Ed - Measured	rField - Surveyed
Field Parameters (at time of sample)	:	Апа	lytical l	Parameters		0	ther Par	ameters	$\langle$
PID / FID Readings:		VOC				Сопозічіту			
Background:	$G \cdot \upsilon^{ppm}$	svoc				Reactivity Sulfide/Cy	yanide	1	_
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate					QA Sar	nples	$\angle$
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	•	NA
рĦ	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID	$\mid$	<u> </u>	NA
Redox Potential	mV	Propellants				Trip Blank ID	<u> </u>		NA
Turbidity	N.T.U.						alian naime		
med. stiff	Sampl , dry , brou	le Description	avel.			mple ID:	t Sample	/	/
					Name:	Company:			
		······································			Agency			/	
							/		
							/		
Soil sample description sho	uld include:				QA/QC	Provided: MS/MSD Duplicate	··· Trip Blank	s - Field Blanks	
Munsell Color Odor	Staining Texture	e Sorting Plasticity Mo	isture		Parame	ters: Same as Above - A	s Listed		
Water sample description s	hould include:								
Color Odor Sheen	Turbidity					<u>/</u>			

Logged By:	Xavier Sotelo	(Please Print)
Signature:	this 500	

Reviewed by: 15tan barlow Signature: Allow De DC- JS 10/24/08 Please Print) Date: 21 Dr W

Reviewed by:

Location ID:	4-5B-	04850-000-	Field S <sup>o</sup> / L	Sampling R $\mathcal{A}^{\mathcal{N}}$	eport	RVAAP LL 2, 3, an	d 4 Sub-Sla	b Sample, Rave	nna, OH
Date:4/23/08			70	V I I					
Date:4/23/06				-line Informa	tion				
/				pling Informa		Soil	s / Sediment	s / Sludge	
Source		ndwater / Product		Surface Wal	er	Scoop	Trowel		
Method	Bailer		alan ing segina a	e Bottle				Hand Auger	
	Ритр		Bacon	Bomb		Bowl		Plastic Liner	
				_/	<u> </u>	Push Probe			
Type/Construction				/		Mattocks		JMC	
Miscellaneous	Well Purgi Yes - No	ing Form							
Sample Collection: $\frac{1405}{100}$ hrs Sample Depth: $0 - 4$ FT	(below surfac		If MI, # of	- MI - Grab increments taken: Each Day - Bach	Location	-	Estimated	Map - Staked in T 1 - Measured -	Field Surveyed
Field Parameters (at time of sample)		An	alytical	Parameters	- <b></b>	0	ther Para	meters	
PID / FID Readings:		VOC				Corrosivity		$\angle$	
Background:	מאמית כן ל	SVOC				Reactivity Sulfide/Cy	/anida		
Sample:	ррт	Explosives (Selected	) V	TNI/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	'n	Perchlorate					QA Sam	ples	_
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
pH	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO			L	Equipment Rinse ID			NA
Redox Potential	m۷	Propellants				Trip Blank ID		· · · · · · · · · · · · · · · ·	NA
Turbidity	N.T.U.								
	Samp) -, moist	e Description brown clay u e abbles	/ <u>j</u> ~~~	ct and	Split Samı Name: Agency/Co Address:	yle ID:	t Sample		
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turn Logged By:Xavie	ning Texture I include:	e Sorting Plasticity M		<u></u>	Parametes	· ^ / /	s Listed	ent	(Please Pr
Signature:	Suj	<b></b>		<u> </u>			hu los	Date: 🗡	1400

Location ID: 1/2 D	B4-5B-	6495N-0001-50	Field	Sampling F	Report	RVAAP LL 2, 3, ar	ud 4 Sub-Slab Sampl	e, Ravenna, OH
Date:4/23/08			10	p(17)~				
			Sarr	pling Inform	ation			
Source	Grou	ndwater / Product		Surface Wa		Soil	s / Sediments / Sludge	
Method	Bailer		Sampl	le Bottle	X	Scoop	Trowel	
	Pump			Bomb		Bowl	Hand Au	ıger
				/		Push Probe	Plastic L	iner V
				/	<u>_</u>	Mattocks	јмс	
Type/Construction				/				<u> </u>
Miscellaneous	Well Purg Yes - No				· ·			
Sample Collection: <u>135 b</u> FFOCHD8 Sample Depth: <u>0 - 4</u>	_ hrs .FT (below surfac	Sample Type: Co Ii e) Decon: Dec	FML # of	- MI - Grab increments taken Each Day - Eacl	h Location	Location	: Plotted on-Map - Sta Estimated - Meas	uked in Field ured - Surveyed
Field Parameters (at time of sample)		Ana	lytical	Parameters		0	ther Parameters	
PID / FID Readings:		VOC				Corrosivity		
Background:	0-0 ppm	svoc				Reactivity Sulfide/C	yanida	
Sample	ррта	Explosives (Selected)		TNT/ RDX		Ignitability		
Sample:	FT							
Water Level	/	Metals (Selected)				-	O t Guarden	
Temperature	έ	Perchlorate	_				QA Samples	NA
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA NA
рН	units	Nitrate / Nitrite				Duplicate ID		NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	[	NA
Redox Potential		Propellants				Trip Blank ID		
Turbidity	N.T.U.							And a state of the
Soft- My toose for med sti- brick P	ff dry be	e Description	nel	trace	Split San	nple ID:	t Sample	-/
					Name:	Jompany:	- /	<u>/</u>
					Address:			
							1	
Soil sample description show	uld includa.				<u>A</u> NOOT	Provided: MS/MSD/Duplicate	- Trin Blanks - Field Blan	ks
		Sorting Plasticity Mo	isture		Paramet	ers: Same as Above - A	s Listed	
Water sample description sh		. coming i maneny mo						
Color Odor Sheen								
Color Ouor Sheen	x aronany				1			
							an levert	
		·			n	aviouad ban 11		<ul> <li>Dience D.</li> </ul>
Logged By: X	Cavier Sotelo	(Please Prin	t)			eviewed by:	WM_ Date	<u>, Alhri</u>

			San	pling Information	ation					
ource	Grou	ndwater / Product		Surface Wa		Soils / Sediments / Sludge				
Method	Bailer		Samp	le Bottle		Scoop Trowel				
	Pump					Bowl		Hand Auger		
						Push Probe	V	Plastic Liner		
Type/Construction				_/	<u> </u>	Mattocks	-	јмс		
riscellaneous	Well Purg	ing Form		/				<u> </u>		
	Yes - No				<u>.</u>	Lacotion	Plotted o	n Map - Staked i	n Field	
ample Collection: <u>1/15</u> 1 Arc408 Sample Depth( <u>) - / </u> F	us T (below surfac		f MI. # o	- MI - Grab f increments taken: · Each Day - Hacl	1 Location		Estimate	d - Measured	Survey	
Field Parameters at time of sample)		Ana	lytical	Parameters		Oth	er Par	ameters	$\leq$	
PID / FID Readings:		VOC				Corrosivity				
Background:	0-0 <sup>-ppm</sup>	svoc				Reactivity Sulfide/Cya	nide	]		
Sample:	 ppm	Explosives (Selected)		TNT/ RDX		Ignitability				
Water Level	FT	Metals (Selected)	- <u>v</u> -							
· · · · · · · · · · · · · · · · · · ·	r	Perchlorate	+				QA San	nples		
Cemperature	uMHOs	PCBs	_			l	Yes / N		N/	
5p. Conductance:	units	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg / L	TPH DRO / HRO	_			Equipment Rinse ID			NA	
Redox Potential	тV	Propellants				Trip Blank ID			NA	
	N.T.U.									
	Sampl	e Description				Splits	Sample			
Softy, dry	brown Si	ily clay ygrau	elan.	d dehris	Split Samp	le D:				
					Name:			/		
					Agency/Co	mpany:				
					Address:		1	L	-	
							/			
						/				
Soil sample description shoul					QA/QC Pr Parameter	ovided: MS/MSD Duplicate - s: Same a Above - As.	Trip Blanks	- Field Blanks		
Munsell Color Odor St	aining Texture	e Sorting Plasticity Mo	oisture							
Water sample description sho										
Color Odor Sheen T	urbidity									
					Par	riewed by: 1 540W	160	er s	(Please	
Logged By: Xa	vier Sotelo	(Please Prin	IC)			ignature:	NA	Date: 2	<u> </u>	

Date: <u>4/23/08</u>								·	
			San	npling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	ter Soils / Sediments / Sludge				
Method	Bailer		Samp	le Bottle		Scoop		Trowel	
	Ритр		Bacor	n Bomb		Bowl		Hand Auger	
				/		Push Probe	1	Plastic Liner	
Type/Construction	/				· · · · · · · · · · · · ·	Mattocks		јмс	
Miscellaneous	Well Purgi	ng Form							
	Yes - No				<u> </u>			No- Stated in 1	ald
Sample Collection: <u>160</u>	hrs		If MI, # o	- MI - Grab		Location:	Estimate	n Map - Staked in ] ed - Measured -	Survey
Sample Depth: 0 - 1 F	T (below surfac	e) Decon: I	Dedicated -	- Each Day - Each	Location	1			
Field Parameters (at time of sample)		Aı	alytical	Parameters		Oth	ier Para	ameters	$\leq$
PID / FID Readings:		VOC				Corrosivity			
Background:	0-0 ppm	SVOC				Reactivity Sulfide/Cya	nida		
Sample:	ppm	Explosives (Selected	1) 🗸	TNT/ RDX		Ignitability			
Water Level	TT	Metals (Selected)							
Temperature	ŕc	Perchlorate					QA San	nples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N		NA
рН	units	Nitrate / Nitrite			1	Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
	Sampl	e Description					Sample		2
Loose, moist dark	brean gi	navel [Fill]			Split Samp	16 TD:			/
					Name:			/	
					Agency/Co	mpany:		/	
					Address:		/	7	
							/		
						/			
Soil sample description shoul					QA/QC Pr Parameter	ovided: MS/MSD Duplicate - s: Same as Above - As	Trip Blank Listed	s - Field Blanks	
Munsell Color Odor Si		e Sorting Plasticity I	Moisture			/			
Water sample description sho						/		many states to the base of the state strong to the state of the states	
Color Odor Sheen T	urbidity				=				
						<u>کار کار کار کار کار کار کار کار کار کار </u>	~ / ^	1.0010-	)
Logged By: Xa	vier Sotelo	(Please P	rint)			viewed by:		7 Date: A	(Piease
Signature:	in Jole	6			S	ignature: Story QC- XS 10/24	<u>vvv</u>	P_Date: 2	<u>or (</u>

			Sam	pling Inform	ation				
Source	Grou	ndwater / Product				Soils / Sediments / Sludge			
Method	Bailer		Sampl	e Bottle	_/	Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
		/		- /	· · · · · · · · · · · · · · · · · · ·	Push Probe	V	Plastic Liner	
Type/2 onstruction	/					Mattocks		ЈМС	
Miscellaneous	Well Purg Yes - No	ing Form	/						
Sample Collection: _// / Sample Depth: <u>0</u> - /	ſ	Sample Type: Con If e) Decon: Ded	MI, # of	- MI - GRab increments taken Each Day - Eac	h Location	Location:	Plotted o Estimate	n Map - Staked in F ed - Measured - S	ièld Survey
Field Parameters (at time of sample)		Anal	ytical ]	Parameters		Oth	er Par	ameters	$\leq$
PID / FID Readings:		VOC				Corrosivity			
Background:	C-U ppm	SVOC				Reactivity Sulfide/Cyar	nide		
Sample:		Explosives (Selected)	$\overline{\mathbf{V}}$	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)	†						
Temperature /							QA Sar	nples	_
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	N
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.				Harris and Andreas and Andreas		contraction parts		en generationen Generationen
, Loose, d,	Sampi <i>y , 170~ n Si</i>	e Description ndy gravel [f			Split Sam Name: Agency/C Address:	ple D:	iample		
Water sample description s Color Odor Sheen	Staining Texture hould include:	Sorting Plasticity Moi.				rovided: MSAMSD Duplicate rs: Same as Above - As I			_(Picase

Location ID: <u>420</u> B	11-55-0	5605W-0001-50	Field	Sampling R	eport	RVAAP LL 2, 3, and	d 4 Sub-Sl	ab Sample, Rav	enna, OF
Date:4/23/08									
			Sam	pling Informa	tion				
Sau-20	Grou	ndwater / Product		Surface Wat		Soils	s / Sedimen	ts / Sludge	
Source Method	Bailer		Sampl	le Bottle	1	 Scoop		Trowel	
Memod				Bomb		Bowl		Hand Auger	
	Pump		Dacon		· · · · · · · · · · · · · · · · · · ·	Push Probe		Plastic Liner	
				/	·	Mattocks		ЈМС	
Type/Construction				/					. <u> </u>
Mascellaneous	Well Purg Yes - No	ing Form		e di la composi de la compo			<u> </u>		
Sample Collection: <u>(64 °</u> h HOUTS Sample Depth: <u>- 6 e75</u> FI	rs F (below surfac	Sample Type: Con If re) Decon: Ded	MI, # of	- MI - Gab increments taken: Each Day - Each	Location	Location:	Estimate	n Map - Staked in ed - Measured -	Field Surveye
Field Parameters (at time of sample)			ytical 1	Parameters		0	ther Para	ameters	_
PID / FID Readings:		VOC				Corrosivity			
Background:	0.0 ppm	svoc				Reactivity Sulfide/Cy	anida	]	
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability			
Water Level	ГТ	Metals (Selected)			<u> </u>				
Temperature	°C	Perchlorate					QA San	nples	
Sp. Conductance:	uMHOs	PCBs	-		1	MS/MSD	Yes / N	0	NA
pH	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	Wan	Propellants				Trip Blank ID			NA
	N.T.U.			• • • • • • • • • • • • • • • • • • •					
mod_stiff, a	Sampl dry brown	e Description n clay u/ cons	st nucl	is debris	1 1		t Sample		/
Tubes	ule D	.15' Je 10/2010	B		Name:				
		V			Agency/Co	mpany:			
····					Address:				
							/		
						/			
Soil sample description should					QA/QC Pr Parameter	ovided: MS/MSD Duplicate s: Same as Above - A	- Trip Blanks s Listed	- Field Blanks	
Munsell Color Odor Sta		e Sorting Plasticity Mol	siure			<u>n finan an san san san san san san san san s</u>			
Water sample description shou						Lingen	Artic Parities Artic Scales		
Color Odor Sheen Tu	rbidity								
						riound hur A La	w /••	MAR -	(Please P
Langed Day You	ier Sotelo	(Please Print	)		Re	viewed by:	11 100		
Logged By: Xavi	Stela				-	Signature: <u> </u>	<u>ጏ</u> ነ ሐ~-	🛌 Date: 🎢	H-DA

Location ID:	BU-SB-	0375N-0001-0	Field	Sampling R	leport	RVAAP LL 2, 3, ar	nd 4 Sub-Slab San	ıple, Raven	ına, OH	
	<u>v                                    </u>	<i>"</i> "	- ["	39Apr						
Date:4/23/08										
	/		San	pling Inform	ation					
Source	Grou	ndwater / Product	-	Surface Wa	ter	Soils / Sediments / Sludge				
Method	Bailer		Samp	le Bottle	X	Scoop	Trow	el		
	Ритр		Bacor	1 Bomb		Bowl	Hand	Auger		
						Push Probe	Plasti	c Liner	4	
Type/Construction						Mattocks	ЈМС			
Miscellaneous	Well Purg Yes - No	ing Form			· · ·					
Sample Collection: <u>/0/5</u> X Hoc408 - 4 Sample Depth: - 4	hrs FT (below surface		<u>MI</u> , # of	- MI - Greb f increments taken Each Day - Eacl	Location	Location	: Plotted on Map - Estimated - M	Saked in §i easured - S	eld urveyed	
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Paramete	rs	_	
PID / FID Readings:		VOC				Corrosivity		$\square$		
Background:	0 - D ppm	svoc				Reactivity Sulfide/C	yanida			
Sample:	ppm	Explosives (Selected)	17	TNT/ RDX		Ignitability				
Water Level	FT	Metals (Selected)	Ť		1					
Temperature	<u>ب</u>	Perchlorate					QA Samples		$\angle$	
Sp. Conductance:	υMHOs	PCBs				MS/MSD	Yes / No	$\angle$	NA	
рН	vnits	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA	
Redox Potential	mV	Propellants				Trip Blank ID		<u> </u>	NA	
Turbidity	N.T.U.									
med-st	Sampl ; F <sub>f</sub> , dry 1	e Description	s rave	e[	Split San		t.Sample		/	
					Name:			/		
					Agency/0	Company:		/		
					Address		/			
						/	/			
Soil sample description sho	uld include:					Provided: MS/MSD Duplicate		Blanks		
Munsell Color Odor	Staining Texture	Sorting Plasticity Mo	sture		Paramet	ers: Same as Above - A	sListed			
Water sample description s	hould include:								and the second sec	
Color Odor Sheen	Turbidity					/		CARANTER AND		
Logged By:	Kavier Sotelo	(Please Print	:)		R	Reviewed by: J GH	in Luch	g1	_(Please Print	
Signature:	lim So	A				Signature	Why i	Date: 20	Aros	
			<u></u>			QC- J& 10/2				

Location ID: <u>122084</u>	-53-0	39 51/-000-50	Field	Sampling R	eport	RVAAP LL 2, 3, an	d 4 Sub-Slab Sample, Ra	wenna, OH
				aApu				
Date:4/23/08							· · · · · · · · · · · · · · · · · · ·	
	<u> </u>	/	San	pling Informa				
Source	Grou	ndwater / Product	-	Surface Wat	er	<u></u>	s / Sediments / Sludge	
Method	Bailer		Samp	le Bottle		Scoop	Trowel	
	Pump		Bacon	Bomb		Bowl	Hand Auger	
						Push Probe	Plastic Liner	⁄
Type/Construction						Mattocks	ЈМС	~
Miscellaneous	Well Purg Yes - No	ing Form						
Sample Collection: <u>[00 U</u> hu 170(X08 - 0 - 4 FT Sample Depth: 0 - 4 FT	<u> </u>		MI, # of	- MI - Grab f increments taken: Each Day - Rach	Location	Location:	Plotted on Map - Staked Estimated - Measured	in Field - Surveyed
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Parameters	_
PID / FID Readings:		voc				Corrosivity		
+	() .J ppm	svoc				Reactivity Sulfide/Cy	yanida	
Sample:	ppm	Explosives (Selected)	1	TNT/ RDX		Ignitability		
Water Level	FT	Metals (Selected)	1					
Temperature	ŗ	Perchlorate					QA Samples	_/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA
рн	บก <b>i15</b>	Nitrate / Nitrite				Duplicate ID		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA
Redox Potential	тV	Propellants				Trip Blank ID		NA
Tuybidity	N.T.U.							
Loose, dry, b	Sampl Coun grav	e Description welly Struth and C	Constr	uction elebrys	Split Sam		t Sample	/
		······································			Agency/C	lomnauv:		
					Address:	and the second secon		
					Aud(55)			
Soil sample description should						Provided: MS/MSD Duplicate ers: Same as Above - A		
Munsell Color Odor Sta Water sample description shou		e Sorting Plasticity Moi	sture					
						1		
Color Odor Sheen Tu	a diaity				1			
Logged By:Xavi	ier Sotelo - S-	(Please Print	)			eviewed by 544	NHL Date: 2	(Please Pris 1 Apro]
		<u></u>				0e- js 10	1/24/08	,

Location ID:	DB4 -5B-	04052000	Field	Sampling R	leport	RVAAP LL 2, 3, an	d 4 Sub-S	lab Sample, Rav	enna, OH
			ľ	'ga Api					
Date: <u>4/23/08</u>			Sam	pling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa		Soil	s / Sedimer	nts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
Michael	Pump			Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	V
Type/Construction			8. 2. 9. 2.			Mattocks		ЈМС	~
Miscellaneous	Well Purg	ing Form	/	/			<b>.</b>		
	Yes - No		<u> </u>	MI Cert	<u> </u>	Location	: Plotted o	n Map - Staked in	Field
Sample Collection: <u>092</u> 1900-108 -> 9 - <u>2</u> .9 Sample Depth: - <u>2</u> .9	/_ hrs _ FT (below surfac		MI, # of	increments taken: Each Day - Each		Location.	Estimate	ed - Measured -	Surveyed
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Par	ameters	
PID / FID Readings:		voc	1			Corrosivity			
Background:	0,7 ppm	SVOC	<u>+</u>			Reactivity Sulfide/Cy	yanida	1	
Sample:	opm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	τ	Perchlorate					QA Sar	nples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	10	NA
рН	បរាវែន	Nitrate / Nitrite	<b> </b>			Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	шV	Propellants		· · · · · · · · · · · · · · · · · · ·		Trip Blank ID			NA
Turbidity	N.T.U.						matter of the second second		an anna an
med.stiff	Sampl	e Description	105		Split Samp		t Sample		
fe.fu	sal Q 2.9'	4 10 Jun 10B			Name:				
					Agency/Co	mpany:			
	· ····						-/		
							/		
Soil sample description sho	ould include:				QA/QC Pr	ovided: MS/MSD Duplicate	- Trip Blänk:	s - Field Blanks	
Munsell Color Odor	Staining Texture	e Sorting Plasticity Moi	sture		Parameter	s: Same as Above - A	s Listed		
Water sample description s	hould include:					1			
Color Odor Sheen	Turbidity				7				
		/mi - h * ··			Pa	riewed by: 1 Sta	n l	WARD	(Please Print)
	Xavier Sotelo	(Please Print)	I			ignature:	wa	Date: 🗡	1
Signature:	<u> </u>						$- \mathcal{O}$		
						DC - 15 10	0/24/0	E	

Location ID:DE	34-5B-0	541511-2001-	Field	Sampling R	eport	RVAAP LL 2, 3, an	d 4 Sub-S	lab Sample, Rave	enna, C
D-4 402.00			0	gApr					
Date: <u>4/23/08</u>									
			Sam	pling Informa	tion				
Source	Groundv	vater / Product	2 - 2 - 2 	Surface Wat	er	Soils	s / Sedimer	nts / Sludge	
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction				/		Mattocks		ЈМС	
Miscellaneous	Well Purging	Form	1						
Sample Collection: <u>0905</u> hr H0CH08 ~ 0 - 4 Sample Depth: FT	Yes - No s (below surface)	Sample Type: Co If Decon: Dec	EMI. # of	- MI - Grab increments taken: Each Day - Each	Location	Location: -	Plotted o Estimate	n Map - Staked in H ed - Measured -	Field Survey
Field Parameters (at time of sample)		Anal	lytical l	Parameters		0	ther Par	ameters	$\leq$
PID / FID Readings:	<b>I</b> 1	OC				Сопозічіту			
Background: O	·) ppm s	voc				Reactivity Sulfide/Cy	anida	1	
Sample:	ppm E	xplosives (Selected)		TNT/ RDX		Ignitability	·		
Water Level	FT M	fetals (Selected)							
Temperature	ح P	erchlorate					QA San	nples	_
Sp. Conductance:	uMHOs P	CBs				MS/MSD	Yes / N	•	NA
рң	units N	litrate / Nitrite				Duplicate ID		/	NA
Dissolved Oxygen	Mg/L T	PH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV P	ropellants				Trip Blank ID			NA
Turbidity	N.T.U.						<u> </u>		
med. st; ff, dry, 1	Sample D	escription	<u>s                                    </u>		Split Sam		t Sample		_
					Name:			/	
					Agency/Ce	mpaoy:		-/	
					Address:			/	
							/		
Soil sample description should i	include:				04/0C P	rovided: MS/MSD Duplicate	- Trio Blanks	- Field Blanks	
Munsell Color Odor Stai		orting Plasticity Mo	isture		Parameter	rs: Same as Above - A	s Listed		
Water sample description should		0 0							
Color Odor Sheen Tur						/			
Color Outr Diletin Tur	,				1				
Logged Byg	er Sotelo	(Please Print	t)		Re	viewed by: 1Stan	1/207	6-30	(Please
Logged By: Xavie		, (r 10430 I I III)	~			Signature:	lind	L Date:	Abr

Location ID: <u>LL2DE</u>	34-5B	042 JN-000	Fiel SD	d Sampling I A Cr A Pr A Pr	Report	RVAAP LL 2, 3, and	4 Sub-Slab Sample, Rav	enna, OH
Date:4/23/08				SA HP				
			Sa	mpling Inform	ation			
Source	Gran	ndwater / Product /	/ <u> </u>	Surface Wa		Soils	/ Sediments / Sludge	
Source Method	Bailer		Sam	ple Bottle		Scoop	Trowel	
Memor		/		on Bomb		Bowl	Hand Auger	
	Pump		Day			Push Probe	Plastic Liner	
	<u> </u>		2				JMC	
Type/Construction			27 M. 07			Mattocks	JMC	
Miscellaneous	Well Purgi Yes - No	ing Form	1	<b>X</b> alan da katalan General da katalan da k				
1 Dor fox > 0 - 1/	rs ſ (below surfac		If MI. #	e - MI - Grab of increments taken Each Day - Bac	h Location	Location:	Plotted on Map - Staked in Estimated - Measured -	Field Surveyed
Field Parameters (at time of sample)		Aı	- nalytica	l Parameters		Ott	ner Parameters	
PID / FID Readings:		VOC				Corrosivity		
Background: (	)-9 <sub>bbw</sub>	SVOC				Reactivity Sulfide/Cya	nida	
Sample:	ррт	Explosives (Selected	d) 1/	TNT/ RDX	+	Ignitability		
Water Level	ਸਾ	Metals (Selected)						
Temperature	٣	Perchlorate					QA Samples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA
рн	units	Nitrate / Nitrite				Duplicate ID		NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	/	NA
Redox Potential	۷an	Propellants				Trip Blank ID		NA
Turbidity	N.T.U.							
Soft; dry, brown L	Sampl chro Clay	e Description			Split Sar	mple ID:	Sample	
					Name:			
						Company:		
			. <u> </u>		Address			
Soil sample description should					QA/QC Paramet	Provided: MS/MSD Duplicate - ters: Same as Above - As	Trip Blanks - Field Blanks Listed	
Munsell Color Odor Sta	-	Sorting Plasticity	noisi <b>ure</b>			<u> </u>		
Water sample description shou						1		
Color Odor Sheen Tu	urbidity				1			
Logged By:Xav	ier Sotelo	(Please Pr	rint)		I	Reviewed by: A STAY	1 Javenza	(Please Print)
Signature:	Soto ]	·····			<u> </u>	Signature: TAN - HU	Martin Date:	THIN
						QC- J8 10	v.108	

	Location ID: <u>LL2DB4</u>	<u>-5B-</u>	04352-000-5	Field Al	Sampling R	eport	RVAAP LL 2, 3, ar	nd 4 Sub-S	lab Sample, R	avenna, OH
	Date: <u>4/23/08</u>									
	/	<u>,                                     </u>		San	pling Informa	· · ·				
	Source	Grou	ndwater / Product		Surface Wat	er /	Soil	s / Sedimer	nts / Sludge	
	Method	Bailer		Samp	le Bottle		Scoop		Trowel	
		Pump		Васог	Bomb		Bowl		Hand Auger	
		,					Push Probe		Plastic Liner	V
	Type/Construction				/		Mattocks		ЈМС	~
	Miscellaneous	Well Purg Yes - No	ing Form	/						
¥	Sample Collection: <u>0940</u> hrs For 40 <sup>8</sup> Sample Depth <u>-</u> 4 FT (		Sample Type: Con If e) Decon: Deci	MI, # of	- MI - Grab increments taken: Each Day - Rach	Location	Location	Plotted or Estimate	n Mab Staked ad - Measured	in Field - Surveyed
	Field Parameters (at time of sample)		Analy	ytical ]	Parameters		0	ther Para	ameters	
	PID / FID Readings:		VOC				Corrosivity			
	Background: C	9.9 <sub>bbw</sub>	svoc				Reactivity Sulfide/Cy	anide		
	Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
	Water Level	FT	Metals (Selected)							
	Temperature	ዮ	Perchlorate					QA San	ıples	
	Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
	рН	units	Nitrate / Nitrite				Duplicate ID			NA
	Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
	Redox Potential	۳V	Propellants				Trip Blank ID			NA
	Turbidity	N.T.U.								
	dry tomaist, me	Sample d.stif	e Description 6 brown Lean cla	y uj	Igraue L	Split Sample		Sample		
						Agency/Com	ipany:		-/-	
						Address:		/	/	
								/		
	Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	ing Texture i <b>nclude:</b>	Sorting Plasticity Moisi	lure			vided: MS/MSD Daplicate Same as Above As	Listed	- Field Blacks	
	Logged By:Xavier Signature:	<u>Sotelo</u>	(Please Print)				wed by: <u>544</u> V nature: 400		∽ <u>∽</u> 2_ Date:∂	(Please Print)
-						(	DC- Js 10	12410	8	

Leastion D.	412	DB29-55-0615N-0001-50
Location ID:		

## **Field Sampling Report**

	,		San	pling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	ter	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Samp	le Bottle	X	Scoop		Trowel	
	Ритр		Bacor	Bomb	/	Bowl		Hand Auger	
		/ -		7		Push Probe	V	Plastic Liner	
Type/Construction		<u> </u>		/	·····	Mattocks		ЈМС	
Miscellaneous	Well Purg Yes - No	ing Form	/						
Sample Collection: 1635 Rotto - 1 Sample Depth: - 1			MI, # of	- MI • Grab increments taken Each Day - Eacl	Location	Location:	Plotted or Estimate	n Map-Staked in Fi d - Measured - S	eld urveye
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Para	meters	_
PID / FID Readings:		voc				Corrosivity			
Background:	🔿 🕹 ррт	svoc				Reactivity Sulfide/Cya	mida		
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)	1						
Temperature	°C	Perchlorate				· ·	QA Sam	ples	
Sp. Conductance	uMHOs	PCBs				MS/MSD	Yes / No	, /	NA
pH	บณ์เร	Nitrate / Nitrite				Duplicate ID		/	NA
Dissolver Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	Van	Propellants				Trip Blank II			NA
Turbidity	N.T.U.								
dry brow	Sampl	e Description			Split Samp		Sample		
	/				Name;				
					Agency/Co	nnanv:		_/	<u></u>
					Address:			/	<i></i>
	-			<u></u>	2244411 6555		_/_	i i i i i i i i i i i i i i i i i i i	
							/		<u>9</u> - 7.114 19 - 19 - 19
Soil sample description shou					QA/QC Pro Parameters	wided: MS/MSD Duplicate - : Same as Above - As	Trip Blanks Listed	- Field Blanks	
Munsell Color Odor S		Sorting Plasticity Moi.	sture						
Water sample description sho									
Color Odor Sheen T	l'urbidity								
Longed By: V-	vier Sotelo	(Please Print)			Rev	iewed by: <u>AAA</u>	Nero		(Please Pr
•• • •	in Soft	(Ficase Plill)	r			gnature:		Date: MA	00
annanne:		/							

Field Sampling Re	epo	rt
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Location ID: 1220326-55-0635N -0001-50

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			San	pling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	ter	Soil	s / Sedimen	ts / Słudge	
Method	Bailer	1	Samp	le Bottle		Scoop		Trowel	
	Ритр		Bacor	iBomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	
Type/Construction				/		Mattocks		ЈМС	
Miscellaneous	Well Purg Yes - No	ing Form	/						
Sample Collection: $\frac{1}{2}$ hr $ 70 \times 0^{-1}$ FT Sample Depth: $2 - 1$ FT	s (below surfac	Sample Type: Cor If e) Decon: Ped	nposite MI, # ol icated -	- MI - Grab f increments Taken Each Day - Eacl	h Location	Location:	Plotted or Estimate	n Map - Staked in d - Measured	Eield Survey
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Para	umeters	$\leq$
PID / FID Readings:		VOC				Corrosivity			
Background:	Ø.∂ <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cy	anida		
Sample:	ррп.	Explosives (Selected)	1	TNT/ RDX		Ignitability			
Water Level	л ғт	Metals (Selected)	$\square$						
Temperature	°C	Perchlorate	1				QA San	ples	_
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissofved Oxygen	Mg / L	TPH DRO / HRO			_	Equipment Rinse ID			NA
Redox Potential	mν	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
soft, dry b	Sampl Nown Clay	e Description /					Sample		_
		······································			Name: Agency/C	(iiii ii)in)	<u> </u>		
					Agency/C Address:	хициан <b>у</b> •		/	
	• • • •				Audress.		/		
							/		
Soil sample description should is	nclude:				OA/OC P	rovided: MS/MSD Suplicate	- Trip Blanks	- Field Blanks	
Munsell Color Odor Stain		Sorting Plasticity Mois	ture		Paramete	rs: Same as Above - As	Listed		
Water sample description should	l include:								
	bidity					1			
Color Odor Sheen Turk									
Color Odor Sheen Turl					1		Contraction of the second	and the second	
	τ Sotelo	(Please Print)		<u></u>	Re	eviewed by: 15tai	bever	<u>21</u>	(Please ]

Location ID: 122 DB/3B - 55-0625N-0001-5
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## Field Sampling Report

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	1		Sar	npling Inform	ation				
Source	Grou	Indwater / Product		Surface Wa	ater /	Soil:	s / Sedimer	ts / Sludge	
Method	Bailer		Samp	ole Bottle		Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl		Hand Auger	
						Push Probe	<u> </u>	Plastic Liner	
Type/Construction				/	· · · ·	Mattocks		јмс	
viscellaneous	Well Purg Yes - No	ing Form	/						
Sample Collection: <u>1710</u> h AOCAO8 <u>0 1</u> F Sample Depth: <u>0 1</u> F	urs F (below surfac	Sample Type: Co I ce) Decon: Øe	f MI, # 0	- MI - Grab f increments taken - Each Day - Eac		Location:	Plotted or Estimate	n Map - Staked in d - Measured -	Eield Survey
Field Parameters at time of sample)		Ana	lytical	Parameters		O	ther Para	umeters	_
PID / FID Readings:		VOC				Corrosivity			
Background:	б.⊖ ррт	svoc				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)	~	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)					_		
Temperature	ړ ر	Perchlorate					QA San	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	unils	Nitrate / Nitrite				Duplicate ID		<u> </u>	NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	_			Equipment Rinse ID			NA
Redox Potential	тV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
Lowse, dry	Sampl	e Description Sandy gravel [	FIJ		Split Sampl	e <b>D</b> :	Sample		
					Agency/Con	npany:		/	
Soil sample description should					QA/QC Pro Parameters	vided: MS/MSD Duplicate - : Same as Above - As	Trip Blanks Listed	- Field Blanks	
Munsell Color Odor Stat Water sample description shoul	-	Sorting Plasticity Moi	sture						
Color Odor Sheen Tu									
σοιοι σιμοι Δηθετί ΙΔΙ	ouury				1				
	- 0 - 1 -	(Please Print			Rovi	ewed by: A Stan	bell	m	(Piease P
Logged By: Xavie	er Sotelo	(Please Pluit	)		ICU I	CHOUDS. #			

Location ID: 1208 34 - 55-0655N-0001-50

## **Field Sampling Report**

RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, OH

Sample Depth: 0 - 1 FT (below surface) Decon: Dedic	Bacor posite MI, # of cated -	Surface Wa		Scoop Bowl Push Probe Mattocks Location: Oth Corrosivity Reactivity Sulfide/Cya Ignitability	Plotted or Estimate	nples	r Lin Field
Pump         Type/Construction         Miscellaneous         Well Purging Form         Yes - No         Sample Collection:       /7 0 / hrs         Sample Depth:       0 - 1         FT (below surface)       Decon:         Pield Parameters       Analy         Kat time of sample)       Properties         PID / FID Readings:       VOC         Background:       O , O ppm         SVOC       Sample:         Sample:       Ppm         Explosives (Selected)         Water Level       FT         Metals (Selected)         Temperature       °C         Sp. Conductance:       uMHOs         pH       units         Dissolved Oxygen       Mg /L         Redox Potential       mV         NT.U.       NT.U	Bacor posite vII. # of cated - vtical	n Bomb - MI - Grab f increments taken: Each Day - Each Parameters	n Location	Bowl Push Probe Mattocks Location: Corrosivity Reactivity Sulfide/Cya Ignitability MS/MSD Duplicate ID	Plotted or Estimate her Para anida	Hand Auger Plastic Liner JMC n Map - Staked d - Measured ameters	r Lin Field d - Surve N/ NA
Type// onstruction         Miscellaneous         Well Purging Form         Yes - No         Sample Collection:       /7.0/hrs         Sample Collection:       /7.0/hrs         Sample Depth:       0 - 1         FT (below surface)       Decon:         Field Parameters       Analy         (at time of sample)       PTD / FID Readings:         Background:       (0, l)       ppn         SVOC       Sample:       PPm         Sample:       ppn       Explosives (Selected)         Water Level       FT       Metals (Selected)         Temperature       °C       Perchlorate         Sp. Conductance:       uMHOs       PCBs         pH       units       Nitrate / Nitrite         Dissolved Oxygen       Mg/L       TPH DRO / HRO         Redox Potential       mV       Propellants	posite MI, # of cated - rtical	- MI - Grab fincrements taken: Each Day - Eacl Parameters	n Location	Push Probe         Mattocks         Location:         Oth         Corrosivity         Reactivity Sulfide/Cya         Ignitability         MS/MSD         Duplicate ID	Plotted or Estimate her Para anida	Plastic Liner JMC Map - Staked ameters	r Lin Field d - Surve N/ NA
Miscellaneous       Well Purging Form         Sample Collection:       _/7.0_hrs       Sample Type: Com         Sample Depth:       0 - 1       FT (below surface)       Decon:       Dedic         Field Parameters (at time of sample)       FT (below surface)       Decon:       Dedic         Field Parameters (at time of sample)       VOC       Malay         PID / FID Readings:       VOC       SVOC         Background:       (0, 0)       ppn       SVOC         Sample:       ppm       Explosives (Selected)         Water Level       FT       Metals (Selected)         Temperature       °C       Perchlorate         Sp. Conductance:       uMHOs       PCBs         pH       units       Nitrate / Nitrite         Dissolved Oxygen       Mg/L       TPH DRO / HRO         Redox Potential       mV       Propellants	vII, # of cated -	f increments taken: Each Day - Eacl Parameters	n Location	Mattocks Location: Otl Corrosivity Reactivity Sulfide/Cya Ignitability MS/MSD Duplicate ID	Plotted or Estimate her Para anida	JMC Map - Staked ad - Measured ameters	Lin Field d - Surve
Miscellaneous       Well Purging Form         Yes - No       Yes - No         Sample Collection:       _/7.0_hrs       Sample Type: Com         Sample Depth:       0 - 1       FT (below surface)       Decon:       Dedic         Field Parameters (at time of sample)       FT (below surface)       Decon:       Dedic         PID / FID Readings:       VOC         Background:       (0, 0)       ppn       SVOC         Sample:       ppm       Explosives (Selected)         Water Level       FT       Metals (Selected)         Temperature       °C       Perchlorate         Sp. Conductance:       uMHOs       PCBs         pH       units       Nitrate / Nitrite         Dissolved Oxygen       Mg/L       TPH DRO / HRO         Redox Potential       mV       Propellants	vII, # of cated -	f increments taken: Each Day - Eacl Parameters	n Location	Location: Oth Corrosivity Reactivity Sulfide/Cya Ignitability MS/MSD Duplicate ID	Estimate her Para anida QA Sam	n Map - Staked d - Measured ameters ples	NA NA
Yes - No         Sample Collection:       /10/hrs       Sample Type: Com         Yes - No       If N         Sample Depth:       0 - 1       FT (below surface)       Decon:       Dedic         Field Parameters (at time of sample)       Analy         PD / FID Readings:       VOC         Background:       (0, 0)       ppin       SVOC         Sample:       ppm       Explosives (Selected)         Water Level       FT       Metals (Selected)         Temperature       °C       Perchlorate         Sp. Conductance:       umits       Nitrate / Nitrite         Dissolved Oxygen       Mg / L       TPH DRO / HRO         Redox Potential       mv       Propellants	vII, # of cated -	f increments taken: Each Day - Eacl Parameters		Corrosivity Reactivity Sulfide/Cya Ignitability MS/MSD Duplicate ID	Estimate her Para anida QA Sam	ameters	NA NA
Sample Collection:       1       7.0 / hrs       Sample Type: Com         Sample Depth:       0 - 1       FT (below surface)       Decon:       If M         Sample Depth:       0 - 1       FT (below surface)       Decon:       Decdid         Field Parameters (at time of sample)       Analy         PID / FID Readings:       VOC         Background:       0'.0 ppm       SVOC         Sample:       ppm       Explosives (Selected)         Water Level       FT       Metals (Selected)         Temperature       °C       Perchlorate         Sp. Conductance:       uMHOs       PCBs         pH       units       Nitrate / Nitrite         Dissolved Oxygen       Mg / L       TPH DRO / HRO         Redox Potential       mV       Propellants	vII, # of cated -	f increments taken: Each Day - Eacl Parameters		Corrosivity Reactivity Sulfide/Cya Ignitability MS/MSD Duplicate ID	Estimate her Para anida QA Sam	ameters	NA NA
(at time of sample)       VOC         PID / FID Readings:       VOC         Background: $(f, i)$ ppin         SVOC         Sample:       ppm         Explosives (Selected)         Water Level       FT         Metals (Selected)         Temperature       °C         Sp. Conductance:       uMHOs         pH       units         Nitrate / Nitrite         Dissolved Oxygen       Mg/L         mv       Propellants         Turbidity       N.T.U.				Corrosivity Reactivity Sulfide/Cya Ignitability MS/MSD Duplicate ID	anide QA Sam	nples	NA
Background:       O       0       ppm       SVOC         Sample:       ppm       Explosives (Selected)         Water Level       FT       Metals (Selected)         Temperature       °C       Perchlorate         Sp. Conductance:       uMHOs       PCBs         pH       units       Nitrate / Nitrite         Dissolved Oxygen       Mg / L       TPH DRO / HRO         Redox Potential       mV       Propellants         Turbidity       N.T.U.       V.T.U.		TNT/ RDX		Reactivity Sulfide/Cya Ignitability MS/MSD Duplicate ID	QA Sam		NA
SVOC       Sample:     ppm       Explosives (Selected)       Water Level     FT       Metals (Selected)       Temperature     °C       Perchlorate       Sp. Conductance:     uMHOs       PCBs       pH     uaits       Dissolved Oxygen     Mg / L       Redox Potential     mV       Propellants		TNT/ RDX		Ignitability MS/MSD Dupticate ID	QA Sam		NA
Water Level     FT     Metals (Selected)       Temperature     °C     Perchlorate       Sp. Conductance:     uMHOs     PCBs       pH     units     Nitrate / Nitrite       Dissolved Oxygen     Mg / L     TPH DRO / HRO       Redox Potential     mV     Propellants       Turbidity     N.T.U.     N.T.U.		TNT/ RDX		MS/MSD Duplicate ID			NA
Water Level     FT     Metals (Selected)       Temperature     °C     Perchlorate       Sp. Conductance:     uMHOs     PCBs       pH     units     Nitrate / Nitrite       Dissolved Oxygen     Mg / L     TPH DRO / HRO       Redox Potential     mV     Propellants       Turbidity     N.T.U.     N.T.U.				MS/MSD Duplicate ID			NA
Properties     PCBs       PH     units       Dissolved Oxygen     Mg/L       TPH DRO / HRO       Redox Potential     mV       Propellants       Turbidity				MS/MSD Duplicate ID			NA
pH units Nitrate / Nitrite Dissolved Oxygen Mg/L TPH DRO / HRO Redox Potential mV Propellants . Turbidity N.T.U.				Duplicate ID:	Yes / No	»	NA
Dissolved Oxygen Mg/L TPH DRO / HRO Redox Potential mV Propellants Turbidity N.T.U.							
Redox Potential     mV     Propellants       Turbidity     N.T.U.				Equipment Rinse ID			NA
Turbidity N.T.U.			1				
				Trip Blank ID			NA
Sample Description Loose, dry brown si bry sund to tro							
	wn c	lay	Split Samp	ile ID:	Sample		
			Name:			/	
			Agency/Co	ompany:			
			Address:		/	ſ	
					/		
Soil sample description should include:			QA/QC Pr Parameter	ovided: MS/MSD Duplicate - s: Same as Above - As I	Trip Blanks Listed	- Field Blanks	
Munsell Color Odor Staining Texture Sorting Plasticity Moist	иге			Ĺ	en de la		
Water sample description should include:				and the second			
Color Odor Sheen Turbidity			1				
Logged By: Xavier Sotelo (Please Print) Signature: For for the set of the set				riewed by:	AMON	T V Date: Z	(Please MAAVI
······································				QC- X8 (012	1.1 na		

Location ID: 12 DB13-55-06450-0001-50

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## **Field Sampling Report**

	/		San	npling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	ater	Soils	/ Sedimen	its / Sludge	
Method	Bailer	Λ	Samp	le Bottle	X	Scoop		Trowel	
	Ритр		Bacor	n Bomb		Bowl		Hand Auger	
				/		Push Probe	V	Plastic Liner	
Type/Construction	7	<u> </u>			<b></b>	Mattocks		ЈМС	
Miscellaneous	Well Purg	ing Form	1/	/				•	· · · ·
Sample Collection: <u>1650</u> hrs 1 <b>76409</b>	Yes - No s (below surfac		If MI, # o	- MI - Grab f increments taken Each Day - Eac		Location: _	Plotted or Estimate	n Map - Staked in- d - Measured -	Freid Survey
Field Parameters (at time of sample)		Ana	alytical	Parameters		Ot	her Para	ameters	$\leq$
PID / FID Readings:		VOC				Corrosivity	_		
Background:	0'-0 ppm	SVOC				Reactivity Sulfide/Cy	anide		
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	r	Perchlorate				· · · · · · · · · · · · · · · · · · ·	QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
pH	units	Nitrate / Nitrite		<u> </u>		Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.		1						
Soft, dry, bro	Sampl ≥∩ w∫ ζ ł	e Description Frinted gray seic	, no	odor	Split Samp Name: Agency/Co	sle D:	Sample		
					Address:			/	
									<u></u>
Soil sample description should ir Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	iing Texture i <b>nclude:</b>	Sorting Plasticity Ma			Parameter	ovided: MS/MSD Dupbeate s: Same as Above - As		- Field Blanks	(Please P
Logged By: Xavier						Land and L			

Location ID: <u>LL3 EB4</u>	<u>'4 -5 B</u>	-0708-000	Field )⊃⊂	Sampling I S MAADY	Report	RVAAP LL 2, 3, a	ad 4 Sub-Sl	ab Sample, Ra	venna, OH	
Date: <u>4/24/08</u>				4		<u></u>				
			San	pling Inform	ation					
Source	Grou	ndwater / Product		Surface Wa	ter	Soil	ls / Sedimen	ts / Sludge		
Method	Bailer	1	Samp	le Bottle	1	Scoop		Trowel		
	Pump		Bacon	Bomb		Bowl		Hand Auger		
						Push Probe	-	Plastic Liner	i	
Type/Construction		۷		/	<b>I</b>	Mattocks		ЈМС		
Miscellaneous	Well Purg Yes - No	ing Form	/	/		· · · · · · · · · · · · · · · · · · ·		<b></b>		
Sample Collection: <u>1000</u> hr: XVA108 10 Sample Depth 0 - 4 FT	s (below surfac		MI, # of	- MI - Gab increments taken Each Day - Eac		Location	Estimate	Map - Staked in d - Measured -	Field Surveyed	
Field Parameters (at time of sample)		Analy	ytical I	Parameters		0	ther Para	meters		
PID / FID Readings:		VOC				Corrosivity				
Background: C	)-0 <sup>ppm</sup>	svoc				Reactivity Sulfide/Cy	anida			
Sample:	ppm	Explosives (Selected)	~	TNT/ RDX		Ignitability				
Water Level	Metals (Selected)									
Temperature	Temperature <sup>°C</sup> Perchlorate						QA Sam	ples	$\angle$	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA	
рН	units	Nitrate / Nitrite				Duplicate ID		<u> </u>	NA	
Dissolveti Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA	
Redox Potential	mV	Propellants	<u></u>		-	Trip Blank ID	[ 		NA	
Turbidîty	N.T.U.				an an ginn an she an					
ined. stiff to stif	Sample F d/J b/	e Description	nstru	dion dobri	s Split Sam		Sample		$\square$	
					Name:		<u></u>		1	
					Agency/C	ompany:		/		
	<u></u>				Address:		_/			
Soil sample description should in Munsell Color Odor Stain Water sample description should Color Odor Sheen Turb	ing Texture include:	Sorting Plasticity Moist	ure		QA/QC P/ Parameter	/	Listed			
						an a 1 an	1	and an an an and a second s		
Logged By: Xavier	Sotelo	(Please Print)				viewed by: 54A	lever 12	Date: A	(Please Print)	
				· .		QL- X8 10	pur lob		4	

Location	D:	

Location ID: <u>U3E84</u>	4- <u>58*</u>	0715~-0001-	Field	Sampling I   しょんかい	Report	RVAAP LL 2, 3, and	đ 4 Sub-Sl	ab Sample, Raven	na, OH
Date:4/24/08			A	(					
			San	pling Inform	ation	<u> </u>			
Source	Grou	undwater / Product		Surface Wa	ter /	Soils	/ Sedimen	ts / Sludge	
Method	Bailer		Samp	le Bottle	X	Scoop		Trowel	
	Pump		Bacor	1 Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	V
Type/Construction	7			/		Mattocks		ЈМС	V
Miscellaneous	Well Purg Yes - No	ing Form	/						
Sample Collection: <u>093</u> hr JOG108 FT Sample Depth FT	f	Sample Type: Co Ii æ) Decon: Deco	f MI, # ol	- MI - Grab increments taken Each Day - Eac	Location	Location:	Plotted on Estimate	n Map - Staked in Fie d - Measured - Su	eld arveyed
Field Parameters (at time of sample)		Апа	lytical	Parameters		Ot	her Para	ameters	
PID / FID Readings:		voc				Corrosivity			
Background: (	)-0 ppm	svoc				Reactivity Sulfide/Cya	anida		
Sample:	ppm	Explosives (Selected)	-	TNT/ RDX		Ignitability			
Water Level	Я	Metals (Selected)							
Temperature	τ	Perchlorate					QA Sam	ples	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO		<u></u> .		Equipment Rinse ID			NA
Redox Potential	m¥	Propellants			1	Trip Blank ID			NA
Turbidity	N.T.U.								····
med.stiff.dry	Sample	e Description 44 w/ Construction	on d	e lor i s	Split Sampl	Split	Sample	ning so the game is a second sec	
					Name:				
		· · · · · · · · · · · · · · · · · · ·			Agency/Con	npany:		1	
					Addresst				
							1		in an
Soil sample description should in	nclude:				OA/OC Pro	vided: MS/MSD Duplicate -	Tim Blanks	- Field Blanks	
Munsell Color Odor Stain		Sorting Plasticity Moi	sture		Parameters	Same as Above - As	Listed		2 
Water sample description should						<u></u>			
Color Odor Sheen Turl	vidity								
					//				
	r Sotelo		)			ewed by: 05/AN	teren	Date: A	Mease Print)
Signature:	<u> </u>			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>				Datt. ( )	<u> </u>
					4	QC- JS 101	24(08		

Location ID:	113 EB4A-5B-072 50-005	Field Sampling Report
Location ID.		A Providence

	1		San	pling Inform	ation				
Source	Grou	indwater / Product		Surface Wa	ater /	Soil	ls / Sedimen	ts / Sludge	
Method	Bailer		Samp	le Bottle	X	Scoop		Trowel	
	Pump		Bacor	Bomb		Bowl		Hand Auger	
		Vell Purging Form Vell Purging Form Ves - No Sample Type: Cor If low surface) Decon: (Ded Anal) VOC		/		Push Probe		Plastic Liner	L
Type/Construction	17					Mattocks		ЈМС	4
Miscellaneous	Well Purg Yes - No	ing Form				4 4			
Sample Collection: <u>0915</u> Sample Depth: ( <u>)</u>	hrs FT (below surfac	If	MI. # of	- MI - Grab increments taken Each Day - Cac	h Location	Location		Map - Staked in 1 d - Measured -	
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Para	ameters	$\leq$
PID / FID Readings:		voc				Сопозічіту			
Background:	0.0 ppm	SVOC				Reactivity Sulfide/Cy	anido		
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	τ	Perchlorate					QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	սոյե	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	٣٧	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
med. stiff, dry debrig	Sampl	e Description y w/ (obbiogan	d co	nstruction	Split Sampl	le D:	t Sample		_
					Address:			/	
	d include:					ovided: MS/MSD Duplicate :: Same as Above - As	- Trip Blanks	- Field Blanks	
Soil sample description shoul			ture		Parameters		- TISICA		
Soil sample description shoul Munsell Color Odor St		Sorting Plasticity Mois			<ul> <li>Kelling and the</li> </ul>	an an a' thai 🖉 an an a' tha a' tha a' tha a' tha an an an an an an a' thai a' tha a' t	georgeniter Alexand	- or the second second second second	<u></u>
Munsell Color Odor St	aining Texture	Sorting Plasticity Mois				/			unia ≣itari Vita
Munsell Color Odor St	aining Texture uld include:	Sorting Plasticity Mois							
Water sample description sho Color Odor Sheen T	aining Texture uld include:	Sorting Plasticity Mois			Revi	iewed by: AAM	Liver	<u>R</u> 7	_(Please Pri

			Sam	pling Inform	ation					
Source	Grou	ndwater / Product		Surface Wa	ter /	Soils / Sediments / Sludge				
Method	Bailer		Sampl	e Bottle		Scoop		Trowel		
	Pump		Bacon	Bomb	/	Bowl		Hand Auger		
						Push Probe	2	Plastic Liner		
Type/Construction	- /	<u> </u>				Mattocks		ЈМС		
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection:	1	Sample Type: Cor	mposite	- MI - Grab	<u></u>	Location:	Plotted or	n Map - Staked ir	Field	
- 1 Day Cal -	T (below surfac	e) Decon: Ded	MI, # of icated -	increments taken: Each Day - Each	Docation	Estimate	d - GP& S	urveyed		
Field Parameters			vtical l	Parameters		Oti	ner Par	ameters		
(at time of sample)									$\leq$	
PD / FD Readings:		VOC		 		Corrosivity				
Background:	G-D ppm	svoc		r		Reactivity Sulfide/Cya	nide			
Sample:	ppm	Explosives (Selected)	$\checkmark$	TNT/ RDX		Ignitability				
Water Level	FT	Metals (Selected)								
Temperature	ĉ	°C Perchlorate			-		QA San	aples		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	•	N/	
рН	units	Nitrate / Nitrite				Duplicate ID		/	NA	
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA	
Redox Potential	™	Propellants	_			Trip Blank ID			NA	
Turhidity	N.T.U.									
Soft, dry	Sampl به در مر	e Description Sandy clay U	1/ 600	st. debris	Name:	e <b>D</b> :	Sample		_	
					Agency/Con	npany:				
					Address:		/		· · · · · · ·	
							$\overline{/}$			
Soil sample description shoul Munsell Color Odor St		Sorting Plasticity Moi.	sture		QA/QC Pro Parameters	vided: MS/MSD - Duplicate - : Same as Above - As	Trip Blanks Listed	Field Blanks		
Water sample description sho	uld include:					_/				
Color Odor Sheen T	urbidity							ANNE SERVICES Marine Services Marine Services		
Logged By: Xa	vier Sotelo	(Please Print)	)			At a XI	1 bron	Date0(0/	(Please	
Signature:	$\sim$ > $\sim$				Sig	gnature 10	3r Jr		ryyu	

Location ID:	27-55-0	16854-0001-50	Field	Sampling R	eport	RVAAP LL 2, 3, and 4	Sub-Sla	b Sample, Raver	nna, Obio
Date:4/30/08									
			Sam	pling Informa	tion				
Source	Groui	Sampling I Groundwater / Product Sum iller Sample Bottle mp Bacon Bomb Kell Purging Form Sample Type: Composite - MI If MI, # of increme Sample Type: Composite - MI If MI, # of increme Decon: Dedicated - Each Di Analytical Parama VOC Perchiorate I UMHOS PCBS I UMHOS I Propellants I NT.U I Sample Description Proventione PCBS I UMHOS I PCBS I UMHOS I			ter /	Soils	Sedimen	ts / Sludge	
Method	Bailer		Sampl	e Bottle	$\boldsymbol{X}$	Scoop		Trowel	
	Ритр		Bacon	Bomb		Bowl		Hand Auger	
			<u></u>			Pusb Probe	4	Plastic Liner	
Type/Construction		2				Mattocks		ЈМС	
Miscellaneous	Well Purgi	ng Form	/						
Sample Collection: <u>1725</u> h  )1-190/08- Sample Depth() -   FI	ſ	If	MI. # of	increments taken:	n Location	Location: Estimate	Ploued on a - GPS S	a Map - Staked in urveyed	Field
Field Parameters (at time of sample)		Analy	ytical l	Parameters		Otl	ner Para	ameters	
PID / FID Readings:		VOC	1			Сопозічіту			
Background:	O 🜙 ppm	SVOC	1			Reactivity Sulfide/Cya	nide		
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	<b>Р</b> Т	Metals (Selected)	<u> </u>						
Temperature	'n	Michails (Bolotica)					QA San	nples	$\angle$
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	•	NA
рН	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
med.st.fr	Sampl	e Description			Split Samp Name: Agency/Co	<b>]610</b> :	Sample		
					Address:	ovided: MS/MSD - Duplicate	Trip Blanks	s - Field Blanks	
Soil sample description should Munsell Color Odor Sta Water sample description shou	aining Texture uld include:	e Sorting Plasticity Moi	sture			s: Same as Aboya - As	Listed		
Color Odor Sheen Tu Logged By:Xay Signature:	rier Sotelo	(Please Print	)			viewed by:	1er Nort	<u>19/~c</u>	(Please Prin)
			-			QC - JS 10/2	июе	1	

Location ID:	0-5B-	092 SN-000 -	Field	Sampling R	eport	RVAAP LL 2, 3, and 4	Sub-Slab Sa	mple, Ravenn	a, Ohio
Date:4/30/08									وينفعون
	<sup>**</sup>		Sam	pling Informa	tion				
Source	An VOC PPM SVOC PPM SVOC PPM Explosives (Selected) C Perchlorate UMHOS PCBS UNITS Nitrate / Nitrite Mg/L TPH DRO / HRO MY Propellants N.T.U. Sample Description Samtle y gravet of classical Samtle 2.9 A TO P Staining Texture Sorting Plasticity I should include: Turbidity			Surface Wat	er 🖊	Soils /	Sediments / Sediments	Sludge	
Method	Bailer		Sampl	e Bottle	$\boldsymbol{X}$	Scoop Trowel		owel	
	Ритр		Bacon	Bomb	7	Bowl	H	and Auger	
						Push Probe	PI	astic Liner	$\sim$
Type/Construction				/		Mattocks	II	4C	2
Miscellaneous	Well Purgi	ng Form							
Sample Collection: <u>10 20</u> hrs A Hoches <u>2.9</u> FT	f	Sample Type: Co. If e) Decon: Dec	MI. # of	- MI - Grab increments taken: Each Day - Each	Location	Location: Estimate	Plotted on Ma d <u>GPS</u> Surve	ap - Staked in Fig yed	जेत
Field Parameters (at time of sample)		Anal	ytical ]	Parameters		Otl	her Parame	eters	
PID / FID Readings:		VOC	Ţ			Corrosivity		$\angle$	
Background:	3.⊗Oppm	svoc	1			Reactivity Sulfide/Cya	nida		
Sample:	ppm	Explosives (Selected)	17	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature			+				QA Sample	es	$\geq$
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рн	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	<u> </u>		NA
Redox Potential	тY	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
lipsun san	nd y g'	nvel if clay		l debri s	Split Samp Name: Agency/Co	le D:	Sample		
					Address:		_/		
Soil sample description should Munsell Color Odor Stat Water sample description shoul Color Odor Sheen Tur	ining Textur Id include:	e Sorting Plasticity Mo	isture		QA/QC Pr Parameter	ovided: MS/MSD - Daplice s: Same as Above - As	Listed		
Logged By:Xavi Signature:	er Sotelo	(Please Prin	(t)			viewed by:	why	<u> Date:</u> <u>Ö</u> 01	_(Please Prin
	<u> </u>	<u> </u>				ignature: AM DC- J8 101	$= \Theta$	2 Date: 001	n <sub>e y</sub>

te:4/30/08			Sam	pling Info	rmation			•
	1 6	ndwater / Product	Jain	Surface	-	Soils	/ Sediments / Sludge	
	Bailer	Juwater / Product	Sampl	le Bottle	/	Scoop	Trowel	
ethod			<u></u>	Bomb		Bowl	Hand Auger	
	Pump			/		Push Probe	Plastic Liner	
	/					Mattocks	JMC	
pe/Construction	Well Purgi	ng Form	/					
scellaneous	Yes - No		/	n an				
mple Collection: <u>1530</u> h	rs	Sample Type: Con If	MI. # of	f increments ta	ken:	Location: Estimat	Plotted on Map - Staked ed - GPS Surveyed	n Pleid
mple Depth? - 2.6 Fl	(below surfac		icated -	Each Day -	Hach Location			
eld Parameters		Anal	ytical	Parameter	s	O	her Parameters	
time of sample) D / FID Readings:		VOC				Corrosivity		
-	Q.0 ppm	svoc				Reactivity Sulfide/Cy	anida	
				TNT/ RD		Ignitability		
ample:	ppm FT	Explosives (Selected)	-					
ater Level	FL	Metals (Selected)						
emperature	ۍ 	Perchlorate					QA Samples	NA
. Conductance:	uMHOs	PCBs	<u>  </u>			MS/MSD Duplicate ID	Tes / No	NA
<u> </u>	ນ <b>n</b> its	Nitrate / Nitrite				Equipment Rinse ID		NA
ssolved Oxygen	Mg / L	TPH DRO / HRO				Trip Blank ID		NA
edox/Potential	mV N.T.U.	Propellants	-					
urbidity						Sall	l Sample	
Lossedry brown o	Sampl And 4 91	e Description	<u> </u>	YEFill	]_   Split Si	imple ID:		
					Name:			
<i>[4:1</i> 30	10.2.1	10/24/0	(1) 		Agency	/Company:		
					Addres	<b>S</b> -		·
vil sample description should	l include:				QA/Q0 Param	Provided: MS/MSD - Duplice eters: Same as Aboyy - A	S Listed	
Munsell Color Odor St		e Sorting Plasticity Mo	isture					
ater sample description show								<u></u>
Color Odor Sheen T						ľ		a and a second
						Reviewed by:	derveren	(Picase)
ogged By: Xa	$\frac{\text{vier Sotelo}}{2}$	(Please Print	IJ			Signature:	LIVING Date: ()	C. Mar

			Sam	pling Informa	tion			
Source	Grou	ndwater / Product		Surface Wat	er	Soils	/ Sediments / Sludg	je
Method	Bailer		Sampl	e Bottle	X	Scoop	Trowel	
	Ритр		Bacon	Bomb	7	Bowl	Hand A	uger
						Push Probe	Plastic	Liner
Type/Construction					an a	Mattocks	JMC	
Miscellaneous	Well Purgi Yes - No	ng Form						
Sample Collection: <u>/220</u> hr 170-108 - 0 - 1/ FT Sample Depth: 0 - 1/ FT	r s (below surfac	Sample Type: Con If e) Decon: Ded	ML# of	- MI - Grab increments taken: Each Day - Kach	Location	Location: Estimat	Plotted on Map - Sed GPS Surveyeds	taked in Field
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Parameters	;
PID / FID Readings:		VOC				Сопозічіту		
Background: (	).0 ppm	SVOC				Reactivity Sulfide/Cy	anida	
Sample:			V	TNI/ RDX		Ignitability		
Water Level	er Level FT Metals (Selected)							
Temperature	mperature <sup>°C</sup> Perchlorate						QA Samples	
Sp. Conductance	umHOs PCBs					MS/MSD	Yes / No	NA
рн	units	Nitrate / Nitrite				Duplicate ID		NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA
Redox Potential	۳۸	Propellants				Trip Blank ID	·	NA
Turbidity	N.T.U.							
dry , brown	Samp SAndy	e Description	deþ	ri7	Split Samp		Sample	
					Name:		une de la comunicación <u>a comunicación de la comunicación de</u> A comunicación de la comunicación de	
					Agency/Con	шраву;		<u> </u>
					Auress		-/-	
							/	· · · · · · · · · · · · · · · · · · ·
Soil sample description should include:					QA/QC Pro Parameters	ovided: MS/MSD - Duplicate s: Same as Above - As	- Trip Blanks - Field Bl s Listed	anks
Munsell Color Odor Staining Texture Sorting Plasticity Moisture								
Water sample description should include:								
Color Odor Sheen Tu	rbidity					2		and a state of the second s
Logged By: Xavi	ier Sotelo	(Please Prin	t)		Rev	viewed by:	n Urrene	
Signature:	- A				S S	ignature AM 20	JMJ1 Da	ate: 06M

Location ID:7	) <u>B/0-</u>	<u>s B = 090 sk</u>	Field	Sampling R	Mr.	RVAAP LL 2, 3, and	4 Sub-Slab 3	Sample, Raven	na, Ohio
Date:4/30/08	· · · · · · · · · · · · · · · · · · ·								
			Sam	pling Informa	ation				
Source	Grou	ndwater / Product		Surface Wat	ter	Soils	/ Sediments	/ Sludge	
Method	Bailer		Sampl	e Bottle	7	Scoop		Trowel	
	Ритр		Bacon	Bomb	/ _	Bowl		Hand Auger	
						Push Probe		Plastic Liner	V
Type/Construction	+		<u> </u>	/		Mattocks		ЈМС	Ù
Miscellaneous	Well Purgi Yes - No	ng Form							
Sample Collection: 1205 NHPUCHIE Sample Depth? - 4	1		MI. # of	- MI - Grab increments taken: Each Day - Each		Location: Estimat	Plotted on Med - Ges Sur	Map - Staked in I veyed	Field
Field Parameters	T (DEID# Sullie			Parameters		0	ther Paran	neters	
(at time of sample) PID / FID Readings:		VOC				Corrosivity			
Background:	0.0 ppm	SVOC	+		1	Reactivity Sulfide/Cy	anida		
Sample:	PPm Explosives (Selected)		$\overline{\checkmark}$	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	°C	Perchlorate					QA Samp	oles	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	ແກ້ໄຮ	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Øxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.								
Louise, dry, brou	Sampl Yn Syndy C	e Description lay M Construct	tion	debrij	Split Samp	and the second	t Sample		
					Agency/Co	mpany:			
					Address:				
							-/		
Soil sample description shou Munsell Color Odor S		e Sorting Plasticity Moi	sture		QA/QC Pro Parameters	ovided: MS/MSD - Duplicate s: Same as Aboya - A	- Trip Blanks - s Listed	Field-Blanks	
Water sample description she	ould include:						2 <u>010-000</u> 2015 <u>-000-000</u> 20150-000-00		
Color Odor Sheen	Turbidity					/			
Logged By:X	avier Sotelo	(Please Print	)		Rev	viewed by:	p less		(Please Print)
Signature:	SA	·			s s	ignature: <u>A</u> M	ANM	Date: 1	1.6.1
									1

Date:4/30/08		<u>B-0915N-000</u>								
<u>,,</u>			Sam	pling Informa	ation					
Saura /	Grow	ndwater / Product		Surface Wa		s / Sludge				
Source Method	Bailer		Sampl	e Bottle		Scoop		Trowel		
		Bacon	Bomb		Bowl		Hand Auger			
	Pump				and a second sec	Push Probe		Plastic Liner	i	
	/		<u>.</u>	-/		Mattocks	-	ЈМС	2	
Type/Construction	Well Purgi	ng Form		<u> </u>						
Ynscellaneous	Yes - No			4	<u></u>	·				
Sample Collection: <u>1200</u> h 1706-08 sp - <u>2</u> Fl Sample Depth: <u>2</u> Fl	rs	Sample Type: Con If	MI. # of	increments taken:		Location: Estimate	Plotted on ede GPS Su	Map Staked in F	ield	
Sample Depth: F	(below surfac	e) Decon: Ded	icated -	Each Day - Each	h Location	n				
Field Parameters		Anal	ytical ]	Parameters		Ot	her Para	meters		
(at time of sample)	VOC	<u> </u>	[		Согтоsivity					
PID / FID Readings: Background:						Reactivity Sulfide/Cyz	mide			
		svoc								
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability				
Water Level FT Metals (Selected)										
Temperature	۳	Perchlorate					QA Sam	ples	$\angle$	
Sp. Conductance: uMHOs		PCBs				MS/MSD	Yes / No		NA	
рН	Units	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA	
Redox Potential	м	Propellants				Trip Blank ID			NA	
Turbidity	N.T.U.									
Loose dry brow.	Samp	le Description	del	he.e	Split Samp		Sample		1	
Louic ory prod	Sting	cray wy comst.			Name:				<u> </u>	
figus	al @ 2.0	1' Js 10/24	5		Agency/Company:					
		V			- Address:					
							/			
							/			
Soil sample description should	l include:				QA/QC Pi Parameter	ovided: MS/MSD - Duplicate s: Same as Abovy - As	- Trip Blanks Listed	- Field Blanks		
Munsell Color Odor St		e Sorting Plasticity Mo	isture							
Water sample description sho										
Color Odor Sheen T						/		lenen Santakarregi Al-Lande II. <u>I.</u>		
					Re	viewed by: Stan	leve	Ks	(Please Pri	
Logged By: Xa	vier Sotelo	(Please Prin	.,							

Location ID:5B - 0 1185N -0 001-50 Field Sampling	g Report RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, Ohio
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Date:4/30/08										
	/	/	Sam	pling Informa	tion			_,, <u></u> _,		
Source	Grou	idwater / Product	<del></del>	Surface Wat	er	Soils / Sediments / Sludge				
Metbod	Bailer		Sample	Bottle		Scoop	Trowel			
	Ритр		Bacon	Bomb		Bowl	Hand Auger			
						Push Probe	Plastic Line	. L		
Type/Construction				/		Mattocks	ІМС	-		
Miscellaneous	Well Purgi Yes - No	ng Form		/						
Sample Collection: 100 hr 1914-19 Sample Depth - 3 FT	s (below surfact		MI, # of	- MI - Grab increments taken: Each Day - Each	Location	Location: Estimate	Pforrer on Map - Staked GPS Surveyed	in Field		
Field Parameters (at time of sample)	Parameters		Oth	er Parameters						
PID / FID Readings:		VOC				Corrosivity				
	O.∂ <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cyar	nide			
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability				
Water Level	TI	Metals (Selected)								
Temperature	٣	Perchlorate					QA Samples			
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA		
рн	units	Nitrate / Nitrite				Duplicate ID		NA		
Dissolyed Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA		
Redox Potential	πV	Propellants			-	Trip Blank ID		NA		
Turbidity	N.T.U.									
Uny brown 5.	Sampl trily gra 21 C 3.1		1/58		Split Samp Name: Agency/Coi Address:	efD:	Sample			
Soil sample description should Munsell Color Odor Sta Water sample description shou Color Odor Sheen Tu Logged By:Xavi Signature:	ining Textur Id include:	e Sorting Plasticity Mo.			Parameter	ovided: MS/MSD - Duplice - s: Same as Above - As viewed by:	Trip Blacks - Field Blanks Listed	- C / VI		

۰.

			Sam	pling Informa	tion			<b>.</b>			
Source	Grou	ndwater / Product		Surface Wat	er /	Soil	s / Sediments / S	Sludge	<del></del>		
Method	Bailer		Sample	Bottle	$\overline{X}$	Scoop	Tr	owel			
	Pump		Bacon	Bomb	/	Bowl	H	and Auger			
						Push Probe	Pl	astic Liner	4		
Type/Construction						Mattocks	JN	4C			
Miscellaneous	Well Purgi Yes - No	ing Form									
Sample Collection: 5 30 Totolo Sample Depth - 2.9	hrs	Sample Type: Con If e) Decon: Redi	ML # of	- MI Grab increments taken: Each Day Each	Location	Location Estima	ted GPS Surve	p - Stoked in Fi	ield		
Field Parameters (at time of sample)		Anal	ytical I	Parameters		0	ther Parame	ters	$\leq$		
PID / FID Readings:		VOC				Corrosivity					
Background:	O ုဝ ppm	svoc				Reactivity Sulfide/Cy	/anida				
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability		·			
Water Level	FT	Metals (Selected)									
Temperature	٣	Perchlorate					QA Sample	2S	_		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA		
рн	units	Nitrate / Nitrite				Duplicate ID			NA		
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA		
Redox Potential	mV	Propellants				Trip Blank ID			NA		
Turbidity	N.T.U.										
dense, diy, br	Sampl	e Description <i>gravel [fill]</i>	w/ c.	stbl +1	Split Samı		t Sample				
Vi	AUS 61 C 29	· Js 10/24	06		Name: Agency/Co	mpany:			<u></u> ,		
						Address					
				. <u> </u>			-/				
Soil sample description sh		Coming Dissister 14-1	5715-2		QA/QC Pi Parameter	ovided: MS/MSD - Dupling s: Same as Above - A	- Trip Blanks - Fi s Listed	eld Blanks	·		
		e Sorting Plasticity Moi.	34M47 C			1					
Water sample description Color Odor Sheen						/					
						viewed by: Stand	avera	)	_(Picas		
	Xavier Sotelo	(Please Print)	)			Signature:		_ Date: 0(6/	7.		

Location ID: L3E1	7 30		-50 (	15 10/24108		RVAAP LL 2, 3, and	4 Sub-Siab 3	ampie, Kaven	ina, Onio		
Date: 4/30/08				;;,·							
	<u>/</u>		pling Inform			- / Codimento /	Sindao				
Source	Source Groundwat			Surface Wa	ter		s / Sediments /				
Method	Bailer		Sample	e Bottle		Scoop		rowel			
	Pump		Bacon	Bomb		Bowl	н	and Auger			
						Push Probe	P	astic Liner			
Type/Construction						Mattocks	n	MC	V		
Miscellaneous	Well Purg Yes - No	ing Form		· · ·							
Sample Collection: <u>0431</u> h Souths Sample Depth: <u>3.25</u> F	<u>ſ</u> rs	Sample Type: Cou If Se) Decon: Deco	ML# of	- MI Grab increments taken: Each Day - Each	(Location)	Location Estima	Plotted on Marted - GPS Surve	ap - Staked in I	Field		
			ytical l	Parameters		0	ther Param	eters	_		
PID / FID Readings:	_	voc				Соггозічіту		$\checkmark$			
Background:	(), j) ppm	svoc	1			Reactivity Sulfide/Cy	/anida		_		
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability					
Water Level	FT	Metals (Selected)									
Temperature <sup>°C</sup> Perchlorate							QA Sample	es	$\angle$		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA		
рн	ແມ່ໄຮ	Nitrate / Nitrite	_			Duplicate ID			NA		
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	$\square$		NA		
Regiox Potential	πV	Propellants				Trip Blank ID			NA		
Turbidity	N.T.U.										
dense, any , br.	Samp wn 54nd	le Description			Split Sampl	이 것 같아요? 이 것 같아요. 이 가 좋겠는	t Sample				
Refusa	p 3.16	1/ 10/20/00			Name:						
						Agency/Company:					
								<u></u>			
							-				
Soil sample description should	include:				QA/QC Pro Parameters	vided: MS/MSD - Duplicate : Same as Above - A	- Trip Blanks - F s Listed	ield-Blanks			
Munsell Color Odor Stu	ining Texture	e Sorting Plasticity Moi	sture						<del>_</del>		
Water sample description show	ıld include:										
Color Odor Sheen Ti						/					
	ier Sotelo	(Please Print	)		Rev	iewed by: 1 Star	N BAR	in	(Please Pr		
	-C_LA	(x 10050 x 1110	×			gnature: $f(x) = \frac{1}{2} \int \int$	x Sha	Date:	May		
Signature:	YOW										

			Sam	pling Inform	ation			·			
Source	Grou	ndwater / Product		Surface Wa	ter	Soil	s / Sediments / Slue	dge			
Method	Bailer		Sample	e Bottle	$\boldsymbol{X}$	Scoop	Trow	el			
	Pump		Bacon	Bomb	/	Bowl	Hand	Auger			
						Push Probe	Plasti	c Liner			
Type/Construction	- /			-/		Mattocks	ЈМС		é		
Miscellaneous	Well Purg Yes - No	ng Form									
Sample Collection: <u>094</u> Poc 06 Sample Depth: <u>0-3</u>			MI. # of	- MI - Grab increments taken Each Day - Eac	Location	Location Estima	Plotted on Map- ued - GPS Surveyed	Staked in F	iekt)		
Field Parameters (at time of sample)	Anal	ytical l	Parameters		0	ther Parameter	rs	$\leq$			
PID / FID Readings:	VOC				Corrosivity						
Background:	0.0 ppm	SVOC			2	Reactivity Sulfide/C	yanida				
Sample:	ррт	Explosives (Selected)	17	TNT/ RDX		Ignitability					
Water Level	FT	Metals (Selected)									
Temperature	r	Perchlorate					QA Samples		_		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA		
pH	units	Nitrate / Nitrite				Duplicate ID			NA		
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	<u> </u>		NA		
Redox Potential	mΫ	Propellants			<u> </u>	Trip Blank ID	<u> </u>		NA		
Turbidity	N.T.U.										
dense, dry,,	Sample brown san	e Description	1-6-	1	Split Samp		it Sample		_		
Vi	fucal e 3	0' js 10/24	156		Agency/Co	mpany:			<u> </u>		
						Address:					
							_/				
Soil sample description she Munsell Color Odor		e Sorting Plasticity Moi	sture		OA/OC Pr	wided: MS/MSD - Depliced : Same as Aboya - A	- Trip Blanks - Field J as Listed	31anks			
Water sample description s	hould include:										
Color Odor Sheen	Turbidity								na la bec		
	Xavier Sotelo	(Please Print	)			iewed by:	x hven	Sale: 0(1/	(Please		

	D.A.C - 5	3R - 073 SN -01	Report 2. RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, Ohio								
Location ID: Date:54 <u>1/2008-</u> 5[	1/200	<		piopulos							
At Binay				pling Informa							
<u> </u>			Sam	Surface Wa		Soils / Sediments / Sludge					
Source	Bailer	ndwater / Product	Samál	e Bottle		Scoop	Trowel				
Method		/				Bowl	Hand A	uger			
	Pump		Васоп	Bonib		Push Probe	Plastic				
							JMC				
Fype/Construction				/		Mattocks	JMC	<b>F</b>			
hscellaneous	cellaneous Well Purging Form Yes - No						. <u></u>	011-011-011-011-011-011-011-011-011-011			
Sample Collection: ( <u>545</u> hrs 70-101 - 4 FT (	(below surfac	Sample Type: Co If e) Decon: Dec	MI, # of	- MI - Grab increments taken: Each Day - Eact	Location	Location: Estimat	Plotted on Map - Si ed GPS Surveyed	aked in Held			
Field Parameters Analytical Parameters (at time of sample)						Ot	her Parameters				
PID / FID Readings:		VOC				Corrosivity					
Background: V	A ppm	svoc				Reactivity Sulfide/Cy	anida				
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability					
Water Level FT Metals (Selected)											
Temperature <sup>°C</sup> Perchlorate							QA Samples				
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA			
ы	ងល់ <del>នេ</del>	Nitrate / Nitrite				Duplicate ID		NA			
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID		NA			
Redox Potential	۳v	Propellants				Trip Blank ID		NA			
Turbidity	N.T.U.										
Lucie u	Sampl	e Description	47		Split Sam		Sample				
					Name:			/			
					Agency/Company:						
·····				······································	Address:			1. . <del>1. 53.</del>			
Soil sample description should is	nclude:				QA/QC P Paramete	rovided: MS/MSD - Duplic e	- Trip Blanks - Field Bla Listed	nks			
Munsell Color Odor Stair	ning Texture	e Sorting Plasticity Mo	sture				andra (1997) ere <u>andra (19</u> 56) a	ala an ing ang ang ang ang ang ang ang ang ang a			
Water sample description should	l include:										
Color Odor Sheen Turl	bidity					/		an a			
Logged By: <u>Xavie</u>	r Sotelo	(Please Print	:)		R	eviewed by: <u>Stan lif</u>		(Please Pr			
CUERCE DY. Advic	-7	>				Aton	A. CA	1e:/3/10 40			
Location ID: <u>L. 208</u> Date: <u>5/1/2008</u> 5/7/	6-SR	- 076 SN-0001-	Field	Sampling R	eport	RVAAP LL 2, 3, and	4 Sub-Slab Sample, Ra	venna, Ohio			
--	------------------------	---	----------	---	-----------------	--	---	--	--	--	--
Datas supare Cla	12.0		10 11	0/14/50							
Date:	2201		0	1° TC	47						
De 1411a	í	/	San	pling Informa		C-II-	Soils / Sediments / Sludge				
Source		ndwater / Product		Surface Wat	er	<u> </u>	Trowel				
Method	Bailer			le Bottle	$\mathcal{A}$	Scoop					
	Pump		Bacon	ı Bomb	/	Bowl	Hand Auger				
					<u></u>	Push Probe	Plastic Liner				
Type/Construction				/	<u> </u>	Mattocks	ЈМС	F			
Miscellaneous	Well Purgi Yes - No	ng Form					······································	<u> </u>			
Sample Collection: <u>(54 v</u> hr. らしやけのショク <u>- 4</u> FT Sample Depth: <u>0 - 4</u> FT	s (below surfac	Sample Type: Con If e) Decon: Dec	MI. # of	- MI - Grab increments taken: Each Day Each	Location	Location: Estimat	Plotted on Map - Staked ed - (PS Surveyed)	in Field			
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	ther Parameters	$\leq$			
PID / FID Readings:		VOC				Corrosivity					
Background:	/ (~ <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cy	anida				
Sample:	ррт	Explosives (Selected)	1.7	TNT/ RDX		Ignitability					
Water Level	FT	Metals (Selected)									
Temperature	°C	Perchlorate					QA Samples				
Sp. Conductance:	uMHOs	PCBs	1			MS/MSD	Yes / No	NA			
рН	યાતંઘ	Nitrate / Nitrite				Duplicate ID		NA			
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA			
Redox Potential	۳ű	Propellants				Trip Blank ID		NA			
Turbidity	N.T.U.							and the second state of the second state			
Luise, try br	Sampl	e Description y EFILD			Split Sar		Sample				
					Name:						
						Company:					
					Address						
Soil sample description should	include:				QA/QC Parame	Provided: MS/MSD - Duplicate ters: Same as Above - As	- Trip Blanks - Field Blanks s Listed				
Munsell Color Odor Stat	ining Texture	Sorting Plasticity Mo	isture								
Water sample description shoul	ld include:			·							
Color Odor Sheen Tur	rbidity					1					
Logged By: <u>Xavi</u>	er Sotelo	(Please Prin	t)			Reviewed by: 15th D	levers	(Please Print)			
Signature:	Sol				/	Signature:	Mart Date:	3Nayby			
						QC - 751020	106				

A 13/My	,	,	San	pling Inform	ntion						
Source	Grou	ndwater / Product		Surface Wa	ter	Soils / Sediments / Sludge					
Method	Bailer		Samp	le Bottle		Scoop	Trowel				
	Ритр		Bacon Bomb			Bowl	Hand Auger				
						Push Probe	Plastic Liner	L			
Type/Construction	- /	<u> </u>		/		Mattocks	ІМС				
Miscellaneous											
Sample Collection: 1525_h  905[04]-904  Sample Depth?F1	f rs (below surfac	Sample Type: Co li e) Decon: Dec	FMĬ. # of	- MI - Grad f increments taken Each Day - Eac	Location	Estimated -	otted on Map - Staked in GPS Surveyod	Field			
Field Parameters (at time of sample)		Ana	lytical	Parameters		Other	r Parameters	$\leq$			
PID / FID Readings:		voc				Corrosivity					
Background:	A ppm	svoc				Reactivity Sulfide/Cyanic					
Sample:	рргп	Explosives (Selected)	1	TNT/ RDX		Ignitability					
Water Level	FT	Metals (Selected)									
Temperature	<u></u> τ	Perchlorate	-			Q4	A Samples				
Sp. Conductance:	uMHOs	PCBs	-			MS/MSD Y	es / No	NA			
рн	units	Nitrate / Nitrite	<u> </u>			Duplicate ID		NA			
Dissolved Oxygen	Mg/L	TPH DRO / HRO	_			Equipment Rinse ID		NA			
Redox Potential	mV	Propellants				Trip Blank ID		NA			
Turbidity	N.T.U.										
Loose dry p.	Sampl	e Description Y			Split San Name: Agency//		nple.				
					Address:						
Soil sample description should Munsell Color Odor Sid	iining Texture	e Sorting Plasticity Mo	isture		QA/QC Provided: MS/MSD - Duplicate Trip Blanks - Field Blanks Parameters: Same as Above - As Listed						
Water sample description show Color Odor Sheen Tw						7					
Logged By:Xay Signature:Yw	ier Sotelo	(Please Prin	t)		F	eviewed by: Signature:	SIM Date: B				

Location ID: <u>LL2 ウA</u>	<u>6-5B-</u>	077-54-0001-	So	Sampling R	cport	RVAAP LL 2, 3, and	t 4 Sub-Slab Sample, F	Ravenna, Ohi		
.ocation ID: <u>しして やみ</u> Date: <u>- <del>3/1/2008</del> </u> らん	17/200	E	Þ'							
ALTANY				pling Inform	ation					
ource	Grou	ndwater / Product		Surface Wa	ter	Soils / Sediments / Sludge				
Method	Bailer		Sampi	e Bottle		Scoop	Trowel			
	Pump		Bacon	Bomb		Bowl	Hand Aug	er		
			<u> </u>			Push Probe	Plastic Lin	ier i		
Type/Construction				/	<u></u>	Mattocks	ЛМС	V		
viscellaneous	Well Purg	ng Form		/	<u> </u>	· · ·				
Sample Collection: 1510 h	Yes - No	Sample Type: Co	<u> </u>	- Mi - Grab		Location	Plotted on Map - Stak	ed in Field		
Swith a U		I	[ MI. # of	Each Day - Each	Location	Estima	ted - OPS Surveyed			
ample Depth: <u>1</u>	ſ (below surfac						ther Parameters			
Field Parameters at time of sample)		Ana	lytical	Parameters		0				
PID / FID Readings:		VOC				Соггозічіту				
Background:	v A <sup>ppm</sup>	SVOC			1	Reactivity Sulfide/Cy	vanida			
Sample:	ppm	Explosives (Selected)	1/	TNI/ RDX		Ignitability				
Water Level	FT	Metals (Selected)		· · · · · ·	-					
Temperature	ĉ	Perchlorate					QA Samples			
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA		
рН	units	Nitrate / Nitrite				Duplicate ID		NA		
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA		
Redox Potential	mV	Propellants				Trip Blank ID		NA		
Turbidity	N.T.U.									
	Sampl	e Description			Split San		t Sample	/		
Losse , dry	prown ct				Name:					
					Agency/(	Eompany:	/			
					Address					
						ing <u>and an </u>				
Soil sample description should	l include:				QA/QC I Paramet	Provided: MS/MSD - Duplic & ers: Same as Above - A	- Trip Blanks - Field Blanks s Listed			
Munsell Color Odor Sta	ining Texture	Sorting Plasticity Mo	isture							
Water sample description show	uld include:									
	arbidity					$\mathcal{I}$		anna Marta Cualas da		
Color Odor Sheen Tu					7	Reviewed by:	Terrent	(Please F		
	ier Sotelo	(Please Prin	t)		<u> / к</u>	Reviewed by:	farry 1	(Flease r		

	,	,		l Sampling F سرایتن npling Inform						
Source	Grou	ndwater / Product		Surface Wa	ter	Soils / Sediments / Sludge				
Method	Bailer		Samp	le Bottle	$\boldsymbol{\mathcal{A}}$	Scoop	Trowel			
	Ритр		Baco	n Bomb		Bowl	Hand Auger			
						Push Probe	Plastic Liner	L		
Type/Construction				1		Mattocks	JMC	2		
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: <u>145</u> hr 	s	Sample Type: Co If e) Decon: Dec	- MI - Grab f increments-takeu: Each Day - Eacl		Location: Estimat	Plotted on Map - Staked ed - GPS Surveyeds	in Field			
Field Parameters (at time of sample)		Ana	lytical	Parameters		01	her Parameters	/		
PID / FID Readings:	÷ I					Согтозічіту				
Background:	UA ppm	svoc				Reactivity Sulfide/Cy	anida			
Sample:	ррт	Explosives (Selected)	1	TNT/ RDX	-	Ignitability				
Water Level	FT	Metals (Selected)								
Temperature	ĉ	Perchlorate	1		_		QA Samples			
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA		
рн	units	Nitrate / Nitrite				Duplicate ID		NA		
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA		
Redox Potential	mν	Propellants				Trip Blank ID		NA		
Turbidity	N.T.U.									
Loose dry	Sampl <u>Ie cown (</u>	e Description ; la Y			Split Sam Name: Agency/Co	ple ID:	Sample			
		·····			Address:					
Soil sample description should i	nclude:				QA/QC P Parameter	rovided: MS/MSD - Duplicate	Trip Blanks - Field Blanks Listed			
Munsell Color Odor Stai	ning Texture	Sorting Plasticity Moi	sture							
Water sample description shoul	d include:									
Color Odor Sheen Tur	bidity	·····								
Logged By: <u>Xavie</u>	er Sotelo	(Please Print	)			viewed by		(Please P		

Location ID: <u>LL2DA</u>	21-55-	07150-0001	Field	Sampling F	Report	RVAAP LL 2, 3, and 4	Sub-Sla	b Sample, Raver	ina, Ohi
Location ID: <u>1225</u> M 12178 9 Date: <u>5/112008</u> 5]-	1/200	8							
	_		San	npling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	ter /	Soils	/ Sedimen	ts / Siudge	. <u> </u>
Method	Bailer		Sample Bottle Sc		Scoop		Trowel		
	Pump		Bacor	Bomb		Bowl		Hand Auger	
						Push Probe	V	Plastic Liner	
Type/Construction	7			/		Mattocks		јмс	
Viscellaneous	Well Purging Form Yes - No								
Sample Collection: [20] hrs ] 70cft72hrs Sample Depth: [] -  FT	1	Sample Type: Cor If e) Decon: Ded	ML # of	- Ml - Grab Fincrements taken Each Day - Eac	h Location	Location: Estimate	Plotted or cd - GP8 S	n Map - Staked in urveyed	Field
Field Parameters (at time of sample)	-	Anal	ytical	Parameters		Ott	ner Para	ameters	$\leq$
PID / FID Readings:		voc				Corrosivity			
Background:	NA <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cya	nide	1	
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature /	r	Perchlorate					QA San	nples	_
Sp. Conductance:	uMHOs	PCBs	1			MS/MSD	Yes / N	•	NA
рн	រល់ទេ	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Tarbidity	N.T.U.								· · · · · · · · · · · · · · · · · · ·
med.stiff.	dry brou	e Description in Clay [f:1]	3		Split Samp		Sample		
					Name:	1		/	•
					Agency/Co	mpany:			1199 <u></u>
					Address:			<u>/                                     </u>	
			_			<u> 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997</u> 1997 - 199 - 1997 - 19	/		
Soil sample description should i	nclude:				QA/QC Pr Parameter	ovided: MS/MSD - Duplicate - s: Same as Above - As	Trip Blanks Listed	- Field Blanks	
Munsell Color Odor Stai	ning Texture	Sorting Plasticity Moi	sture						
Water sample description shoul	d include:								
Color Odor Sheen Turbidity									hari ya y
Logged By: <u>Xavie</u> Signature: <u> </u>	er Sotelo	(Please Print	)				ever	Date: 13	(Please F >//18-1
				<u> </u>		QC- Js 10/2	) २८०४	)	

	55	-270521-021	Field	Sampling R	Report	RVAAP LL 2, 3, and	4 Sub-Sla	b Sample, Rav	enna, Ohi		
Location ID: <u>//2</u> D 1975 Date: <u>17 5702008</u> 5/-	A 7 55 1/2004	010000000				RTAAL 002, 3, and					
			Sam	pling Inform	ation						
Source	Grou	ndwater / Product		Surface Wa	ter	Soils	Soils / Sediments / Sludge				
Method	Bailer	1	Sampl	e Bottle	X	Scoop		Trowel			
	Pump		Bacon	Bomb	/	Bowl		Hand Auger			
					Push Probe	V	Plastic Liner				
Sype/Construction	- 7			/		Mattocks		лмс			
nscellaneous	Well Purg Yes - No										
ample Collection: <u>//45</u> h 14 [70 c 10] 50 - / Fi Sample Depth: 0 - / Fi	1	Sample Type: Con If Se) Decon: Ded	MI. # of	- MI - Grab increments taken: Each Day - Eac	h Location	Location: Estimat	Plotted o ed - QPS S	n.Map - Staked in Surveyeds	Field		
Field Parameters at time of sample)		Anal	ytical )	Parameters		0	ther Par	ameters	/		
PID / FID Readings:		VOC				Corrosivity					
Background: V	IR ppm	SVOC				Reactivity Sulfide/Cy	anida	1			
Sample:	ppm	Explosives (Selected)	1	TNT/ RDX		Ignitability					
Water Level	FT	Metals (Selected)			-		· · · · ·				
	 ົ	Perchlorate	-				QA San	nples			
Sp. Conductance	uMHOs	PCBs	1			MS/MSD	Yes / N	0	NA		
н	vaits	Nitrate / Nitrite				Duplicate ID			NA		
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA		
Redox Potential	mV	Propellants				Trip Blank ID		·········	NA		
Furbidity	N.T.U.										
med.st;fc	Sampl	e Description www.clay_CFiL	<b>ن</b> ]		Split Sa	Split mple ID:	Sample				
		/			Name:			/			
					Agency	/Company:			en el T		
					Addres	S*		/			
							_/				
Soil sample description should					QA/QC Parame	Provided: MS/MSD - Daplice ters: Same as Above - As	- Trip Blanks Listed -	Field Blanks			
Munsell Color Odor Sta	ining Texture	e Sorting Plasticity Moi	siure								
Water sample description shou	ld include:										
Color Odor Sheen Tu	rbidity								inv.		
Logged By:Xav	ier Sotelo	(Please Print)	)			Reviewed by: 5 10		Date: 121	(Please P		
• • • • • • • • • • • • • • • • • • • •		L.			/	Signature: JAM	NMA	Datas 1>1	(1) KIN		

Location ID: <u>£22</u> Date: <u><u>5/1/2008</u></u>	B27C-	55-069940001-	50 %	12pulso		RVAAP LL 2, 3, and (	4 Sub-Sla	b Sample, Rave	enna, Ol	
Date: <del>5/1/2008</del>	5/7/20	208	9							
ALBMY				pling Inform						
onrce	Grou	indwater / Product	· · ·	Surface Wa	ater	Soils / Sediments / Sludge				
Method	Bailer	Sample Bottle		le Bottle		Scoop		Trowel		
	Pump		Bacor	Bomb		Bowl		Hand Auger		
			<u></u>			Push Probe	V	Plastic Liner		
ype/Construction	17			/		Mattocks		лмс		
Iscellaneous	Well Purg Yes - No					*				
ample Collection: <u>  00</u> 	_ hrs FT (below surfac		MI, # of	- MI - Grab increments taken Each Day - Eac		Location: Estimate	Plotted or ed - GPS S	r Map - Staked in urveyed	Fjeld	
ield Parameters t time of sample)		Anal	ytical	Parameters		Ot	her Para	ameters	_	
ID / FID Readings:		voc	Τ			Corrosivity				
ackground:	<i>R</i> - A <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cya	nide			
Sample:	ppm	Explosives (Selected)	$\overline{}$	TNT/ RDX		Ignitability				
Vater Level	FT	Metals (Selected)								
emperature	ĉ	Perchlorate					QA San	ples	/	
p. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	> /	NA	
н	ບໜໍເຣ	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA	
Ledox Potential	mV	Propellants				Trip Blank ID			NA	
`urbidity	N.T.U.									
med. st; f	Sampl F <u>dry</u> br	e Description	: hL		Split Sampl		Sample		_	
		······			Agency/Co			/	<u>.</u>	
· · · · · · · · · · · · · · · · · · ·					Agency/con	шрану:				
		······································			Auui css.		- /	<u>/                                     </u>	<u></u>	
							1			
oil sample description shou	ld include:				QA/QC Pro	wided: MS/MSD - Duplicate -	Trip Blanks Listed	- Field Blanks		
		Sorting Plasticity Moi	sture		Aaranteteis				 	
Vater sample description sh	-	<b>.</b> .								
Color Odor Sheen Turbidity										
	-	(Please Print	\ \		Rav	iewed by: Stand	201M		Please	
		iriease runt	,				1 ···· 1			
ogged By:X	ivier Sotelo				c;	gnature: AM-	stow	Date: <u>13</u> /	18940	

Location ID: <u>LL 2</u> Date: <del>5/2/2008</del> 5	18/05		X°	sampling R					
	•			pling Informa	tion		<u>.</u>		
Source /	Grou	ndwater / Product		Surface Wat	er	Soils / Sediments / Sludge			
Method	Bailer		Sampl	e Bottle		Scoop		Trowel	
	Pump		Bacon	Bomb		Bowl		Hand Auger	
	·····					Push Probe		Plastic Liner	
'ype/Construction	/			_		Mattocks		ЈМС	
nscellaneous	Well Purg Yes - No	ing Form							
ample Collection: $17(5)$ $170408 \rightarrow 0 - i$ ample Depth: $0 - i$		- MI - Grab increments taken: Each Day - Fact	Location	Location: Estimated	Plotted or	n Map - Staked in F Surveyed	ðeld		
Field Parameters at time of sample)		Anal	ytical	Parameters		Oth	er Para	ameters	$\leq$
PID / FID Readings:		VOC				Соггозічіту			
Background:	¢∕A <sup>ppm</sup>	SVOC				Reactivity Sulfide/Cyan	ida	1	
Sample:	ppm	Explosives (Selected)	1	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
'emperature	°c	Perchlorate					)A San	nples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	0	NA
H	vnits	Nitrate / Nitrite	-			Duplicate ID		/	NA
	Mg / L	TPH DRO / HRO		<b>_</b>		Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
	N.T.U.								
Soft, moist	Sampl	e Description	<u> </u>		Split Sam	Split S ple ID:	ample		
housai	P 1.0'	V 10/ 21/00			Name:				
F1****		p			Agency/C	ompany:		_/	
					Address:	<u> </u>	/	<u> </u>	
							$\square$		
Soil sample description shou	ld include:				QA/QC P Paramete	rovided: MS/MSD - Duplicate - rs: Same as Above - As I	Trip Blacks isted	s - Fæld Blanks	
Munsell Color Odor S	Staining Texture	e Sorting Plasticity Mot	sture						
Vater sample description sh	ould include:								
Color Odor Sheen Turbidity						<u></u>	1.		i i i div i i jest
Cotor Odor Sheen	Logged By: Xavier Sotelo (Please Print)				R	eviewed by:	ferit	the	(Please I
	avier Sotelo	(Please Plin	,			71	$\sum i = 1$	1 Date: 13	100.00

and the second second

Date: <u>5/2/2008</u>				<u></u>								
	,		Sam	pling Informa	tion							
Source	Grou	ndwater / Product		Surface Wat	er	Soil	Soils / Sediments / Sludge					
Method	Bailer		Sampl	e Bottle	X	Scoop	Т	rowel				
	Pump		Васол	Bomb		Bowl	F	land Auger				
			5			Push Probe	P	lastic Liner				
Type/Construction		<u></u>		/		Mattocks	J	мс				
Miscellaneous	Well Purgi	ng Form	/									
Sample Collection: <u>/64 0</u>   700708   Sample Deptil9/	Yes - No _hrs _FT (below surfac	Sample Type: Con If ) e) Decon: Dedi	ML # of	- MI - Grab increments taken: Each Day Each		Location: Estima	Piotted on M ted - GP8 Surv	ap - Staked in J eyed	ોશ્રેવ			
Field Parameters (at time of sample)		Analy	ytical l	Parameters		0	ther Param	eters	_			
PID / FID Readings:		VOC				Corrosivity						
Background:	NA ppm	svoc	1		1	Reactivity Sulfide/Cy	ranida					
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability						
Water Level	FT	Metals (Selected)										
Temperature	ະ	Perchlorate				·	QA Sampl	les	_			
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA			
рН	បក់នេ	Nitrate / Nitrite				Duplicate ID			NA			
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	$\square$		NA			
Redox Potential	mV	Propellants				Trip Blank ID			NA			
Turbidity	N.T.U.								the second second			
soft, wet	Sampl <u>biown gi</u>	e Description	[عر]	423	Split Sar	-	t Sample		/			
- Alouse	ul @ 1.0'	1 10/24/00			Name:	Company:						
·····					Address	·		/				
Soil sample description sho Munsell Color Odor Water sample description s	Staining Texture	e Sorting Plasticity Moi:	sture		QA/QC Paramet	Provided: MS/MSD - Duplicade ers: Same as Above - A	s Listed	rjekt Blanks				
Color Odor Sheen												
Logged By:	Xavier Sotelo	(Please Print)	)		н	Signature:	Alonera	> 1 Date: <u>13</u>	_(Please			
						DC- 18 10	24/08					

Location ID: <u>42</u> D	13 9-55 -	0555N-0001_	Field ১	Sampling R	leport	RVAAP LL 2, 3, and	4 Sub-Sla	ıb Sample, Rave	enna, Oh
Date: <u>-5/2/2008</u> 5/8	108		<i>`</i> 8``	<i>..</i>					
				pling Inform					
ource	Grou	ndwater / Product		Surface Wa	ter	Soils	/ Sedimer	its / Sludge	
Method	Bailer	1	Sampl	e Bottle	$\boldsymbol{X}$	Scoop		Trowel	
	Pump		Bacon Bomb			Bowl		Hand Auger	
						Push Probe	v	Plastic Liner	
ype/Construction		<u> </u>				Mattocks		JMC	
ascellaneous	Well Purgi Yes - No	ing Form	Form						
ample Collection: <u>  . U</u> 70:708-70- <u> </u> ample Depth: <u> </u>	<u> </u>	Sample Type: Cor If e) Decon: Ded	MI, # of	- MI - Grab increments taken Each Day - Eacl	rLocation	Location: Estimat	Plotted of ed - EPS S	n Map - Staked ir Surveyed	n Field
<b>field Parameters</b> It time of sample)		Anal	ytical l	Parameters		Ot	her Para	ameters	
PID / FID Readings:		VOC				Corrosivity			
ackground:	NA ppm	SVOC				Reactivity Sulfide/Cya	anida	1	
Sample:	ррп	Explosives (Selected)		TNT/ RDX	-	Ignitability			1
Vater Level	n FT	Metals (Selected)							
	ΰ	Perchlorate					QA San	nples	_
ip. Conductance:	uMHOs	PCBs				MS/MSD	Yes / N	•	NA
н	vnits	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mv	Propellants				Trip Blank ID			NA
furbidity	N.T.U.								
med.stift	Sampl	e Description	debi	· · >	Split Samp		Sample		
					Name:	· · · · ·		/	<u> </u>
					Agency/Co	тралу:			
					Address:				· · · · · · · · · · · · · · · · · · ·
				_			$ \perp$		
Soil sample description shou	ıld include:				QA/QC Pro	ovided: MS/MSD - Duplicate Same as Above - As	- Trip Blanks	s - Fiekl Blanks	
• •		e Sorting Plasticity Moi	sture		rarameters	. Jame as AUDY - AS	walet		
Water sample description sh									
Color Odor Sheen						/			
		(Please Print)	\ \		Pou	iewed by: 1Stan 1	erren		(Please I
Logged By:X: Signature:Y	avier Sotelo Sotus		,			ignature:	win	Date:	Ā
					Ĺ.	De for lupon	læ		-F
					Ű		-		

Location ID: <u>LL2</u>	0310-53	- 0465N -0001.		l Sampling R opuls <sup>g</sup>	leport	RVAAP LL 2, 3, ar	nd 4 Sub-Sl	ab Sample, Rav	enna, OH	
Date:5/	8/08		<u>8</u> °``	· I					· · ·	
	_		San	npling Inform	ation					
Source	Grou	ndwater / Product		Surface Wa	ter	Soils / Sediments / Sludge				
Method	Bailer		Samp	le Bottle	X	Scoop Trowel				
	Pump		Bacor	n Bomb		Bowl		Hand Auger		
						Push Probe		Plastic Liner	V	
Type/Construction	7					Mattocks		ЈМС	"	
Miscellaneous	Well Purg Yes - No	ing Form	/		ی اندین - <u>در مدر در در ا</u>					
Sample Collection: 1515  7)CH8 -> Sample Depth.Q - 2	hrs _ FT (below surfac		MI, # of	- MI - Grab f increments taken Each Day Eact	Location	Location	: Plotted on Estimate	Map - Staked in d - Measured -	Field Serveyed	
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Para	umeters		
PID / FID Readings:		VOC				Corrosivity				
Background:	ht. bbw	svoc	1			Reactivity Sulfide/Cy	yanida			
Sample:	ррт	Explosives (Selected)	$\checkmark$	TNT/ RDX		Ignitability				
Water Level	FŤ	Metals (Selected)								
Temperature	٣	Perchlorate					QA Sam	ples	$\angle$	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA	
рН	units	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA	
Redox Potential	mV	Propellants				Trip Blank ID			NA	
Turbidity	N.T.U.									
	Sampl Moist 566 Usal @ 2.0	15 2	LCJ 1B		Split Sampl	e ID:	t Sample		_	
		0			Agency/Cor	npany:				
					Address:		/			
							/			
Soil sample description sho Munsell Color Odor		Sorting Plasticity Mois	ture			vided: M5/MSD Duplicate Same as Above - A		- Heit Blanks		
Water sample description sl Color Odor Sheen					7					
Logged By:X	<u>Kavier Sotelo</u> ~ SA	(Please Print)				ewed by: <u>Sha M</u> gnature: <u>A</u> M	ling	Date: <u>B</u>	_(Please Priz	
				*	6	)C- ff 10/2	ulob			

Location ID: $42DA$ Date: $4775555/8$	128A	- 55 - 0 79 SN -000	Sampling I	ng Report RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, OH					
Date: 5/9	108		Č	10 miloe					
Datt		·····		pling Inform	ation				
Source	Grou	ndwater / Product		Surface Wa	· · · ·	Soil	s / Sedimen	ts / Sludge	
Method	Bailer	1	Samp	le Bottle	X	Scoop		Trowel	
	Pump		Bacon Bomb			Bowl		Hand Auger	
		-/		/		Push Probe		Plastic Liner	
	/					Mattocks		ЈМС	
Type/Construction							l		<b>I</b>
	Yes - No		/						5
Sample Collection: <u>1023</u> hr 5 178-TOK <u>0 - j</u> FT Sample Depth: <u>0 - j</u> FT	s (below surfac		MI, # of	- MI (Grab increments taken Each Day - Eac		Location:	Plotted or Estimate	n Map - Stoked in Fiel d - Measured - Sur	id ) rveyed <u>Gr</u> s
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Para	ameters	_
PID / FID Readings:		VOC				Corrosivity			
Background:	NK ppm	SVOC				Reactivity Sulfide/Cy	vanida		
Sample:	ppm	Explosives (Selected)	1	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							·
Temperature	۳C	Perchlorate					QA Sam	ples	/
Sp. Conductance;	uMHOs	PCBs				MS/MSD	Yes / No	,	NA
рН	units	Nitrate / Nitrite				Duplicate ID:		1	NA
Dissolver Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		1	NA.
Redox Potential	тV	Propellants				Trip Blank ID		1	NA
Turbidity	N.T.U.								
Soft, wet bi	Sampl	e Description	۶F	LL)	Split Sampl		Sample		/
		·······	•		Name:				
					Agency/Cor	nnanv:			
					Address:			/	<u></u>
					<b>A 1101 C33+</b>		_/		<u></u>
							/		
Soil sample description should in	nclude:				OA/OC Pro	wided: MS/MSD Duplicate	- Trin Blanks	+ Field Blanks	
Munsell Color Odor Stain		Sorting Plasticity Mois	ture		Parameters	: Same as Above - As	Listed		
Water sample description should include:									
Color Odor Sheen Turk									
Logged By:Xavier	Logged By: Xavier Sotelo (Please Print)						uper >	(P)	ease Print)
Signature:	- Aug	(* 10400 ¥ 1111)				ewed by: <u><u>Ptan</u> gnature: <u>A</u>M</u>	lun	Date: 13/h	ýŘ
	·								
				•		QC- XS 10/2	1/06		
						U			

Field Sampling Report           Location ID:         1-1-2-DA6A - 53 - 084 5 M -00001 - 50         RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, OH           Date:         5/8/36         010001 - 50         RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, OH										
Date:5/	8100	-	r	1 op 0 to 0						
				pling Informa						
Source /	Grou	ndwater / Product /		Surface Wat		Soils	/ Sedimen	ts / Sludge		
Method	Bailer		Samp	le Bottle		Scoop	Scoop			
	Pump		Bacor	i Bomb	7	Bowl		Hand Auger		
						Push Probe		Plastic Liner	/	
Type/Construction	/	/	Mattocks							
Miscellaneous	Well Purg Yes - No	ing Form	1	7						
Sample Collection: <u>0930</u> hrs       Sample Type: Composite - MI - Grad       Location:       Plotted on Map Staked in Eield         N 1702 M - 30 - 4       FT (below surface)       If MI, # of increments taken:										
Field Parameters (at time of sample)		Anal	ytical	Parameters		Oti	ner Para	umeters		
PID / FID Readings:		VOC				Corrosivity	<u>ر</u> .			
Background:	NA <sup>ppm</sup>	SVOC			Reactivity Sulfide/Cya	nide				
Sample:	/ թրո	Explosives (Selected)	~	TNT ROX		Ignitability				
Water Level	FT	Metals (Selected)								
Temperature	ĉ	Perchlorate				· · · · · · · · · · · · · · · · · · ·	QA Sam	iples		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA	
рН	unius	Nitrate / Nitrite				Duplicate ID	$\square$	]	NA	
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA	
Redox Potential	۳M	Propellants				Trip Blank-ID			NA	
Turbidity	N.T.U.								2	
V. soff, wet	Sampl	e Description	<b>4</b>	iu]	Split Samp		Sample		/	
					Name:			1		
	·····				Agency/Co	mpany:		_/		
					Address:					
							$\nearrow$			
Soil sample description should i	nclude:					wided: MS/MSD - Duplicate -		- Field Blanks		
Munsell Color Odor Stair	ning Texture	Sorting Plasticity Mo	sture		Parameter	: Same as Above - As	Listed			
Water sample description should	d include:					1				
Color Odor Sheen Tur	bidity									
Logged By: XAVIET	Solel.	) (Please Print	)		•	iewed by: <u>FAMAN</u> gnature: <u>AM</u>	wy m		Please Print)	
						~ ~ ~ ~			<u> </u>	
					(	DC- J8 10/24	00			
					•					

Location ID: <u>1/2 'D + (</u> Date: <u>5/<del>1/2008</del> 5 / (</u>	6A - 58	3-0835N-000	Field	l Sampling F	Report	RVAAP LL 2, 3, and	l 4 Sub-Slab Sample, Rave	enna, Ohi	
Date:5/4/2008 5 /	8/08		ð						
				npling Inform					
Source	Grou	ndwater / Product		Surface Wa	n Aligna di Aligna.	Soil	s / Sediments / Sludge		
Method	Bailer	1	Samp	le Bottle		Scoop Trowel			
	Pump		Bacor	n Bomb		Bowl	Hand Auger		
		-/				Push Probe	Plastic Liner		
Type/Construction						Mattocks	JMC		
Viscellaneous	Well Purg	ing Form		$\mathcal{A}$	· · · · · · · · · · · · · · · · · · ·		I	I .	
	Yes - No								
Sample Collection: <u>1000</u> hr 70(108) <u>70</u> (100) hr Sample Depth <u>9-4</u> FT	rs (below surfac	Sample Type: Co If e) Decon: Dec	MI, # of	- MI - Grab f increments taken Each Day - Ecc	h Location	Location Estima	Plotted on Map - Staked in ted - Ges Surveyed	Field	
Field Parameters (at time of sample)		Апа	lytical	Parameters		0	ther Parameters		
PID / FID Readings:		VOC				Corrosivity			
Background:	VA <sup>ppm</sup>	svoc				Reactivity Sulfide/Cy	vanida		
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature	ົ	Perchlorate					QA Samples		
Sp. Conductange:	uMHOs	PCBs	-	<u> </u>		MS/MSD	Yes / No	NA	
μ	units	Nitrate / Nitrite				Duplicate ID		NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO		····		Equipment Rinse ID		NA	
Bedox Potential	mV	Propellants				Trip Blank ID		NA	
Turbidity	N.T.U.								
. s>ft, wet brew	Sampl	e Description	i <i>c</i> t ,	)	Split Samp Name: Agency/Co	ple ID:	Sample		
				··········	Address:				
							/		
Soil sample description should i	include:				QA/QC Provided: MS/MSD - Duplicze - Trip Blanks - Field Blanks Parameters: Same as Aboys - As Listed				
Munsell Color Odor Stai	ining Texture	Sorting Plasticity Moi	sture					1 4 4 2 4 2 4 2 4	
Vater sample description should include:									
Color Odor Sheen Tur	bidity								
	ogged By: Xavier Sotelo (Please Print)						hipsz-	(Please P	
	Signature: Yui Sot						Ut Date: 13	1VDill	

Location ID: <u>LLL</u> D	A6A -	5B-08254,0	001.50	Sampling I	Report	RVAAP LL 2, 3, and	4 Sub-Slab Sar	nple, Raver	nna, Ohi
Location ID: <u>LLL</u> D Date: <u>5/1/2008</u> 5	18/04		ζ	)				118. 	
	,			pling Inform	ation				
Source	Groù	ndwater / Product		Surface Wa	iter	Soils	s / Sediments / S	ludge	<u> </u>
Method	Bailer		Sampl	e Bottle		Scoop Trowel			
	Pump		Bacon	Bomb	/	Bowl Hand Au			
				-		Push Probe	Pla	stic Liner	L
Type/Construction		<u> </u>	· · · · · · · · · · · · · · · · · · ·	_/		Mattocks	JM	С	
Miscellaneous	Well Purg	ing Form	Porm						
	Yes - No		1		<u> </u>		Diana di sa Mar	Fielend in 1	
Sample Collection: <u>0915</u> h HAAVS - 4 Sample Depth 0 - 4 FT		Sample Type: Co If	MI, # of	increments taken	:	_ Location: _ Estimat	Plotted on Map	ed	I ICIU
ample Depth 7 FI	(below surfac	e) Decon: Dec	licated -	Each Day - Eac	h Location	J			
Field Parameters at time of sample)		Anal	lytical ]	Parameters		01	ther Paramet	ers	/
PID / FID Readings:		voc				Corrosivity		$\mathbf{r}$	
Background:	ppn	svoc				Reactivity Sulfide/Cy	anice		
Sample:	ppm	Explosives (Selected)	+	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)	14	signer					
Wall Level Include (Decoded)				1					
Temperature <sup>c</sup> Perchlorate							QA Samples		$ \leq $
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	/	NA
м	units	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA NA
Redox Potential	mV	Propellants				Trip Blank ID			INA
Furbidity	n.t.U.								
I: Il mal 1/2 Q.	Sampl	e Description	avelle	, Clay	Split Samp	Split	Sample		/
	- /				Name:			/	/
					Agency/Co	mpany:		1	<u> </u>
					Address:		/		
				·		<u></u>		ـــــــــــــــــــــــــــــــــــــ	
							/	<u>yan an i</u> Alah yan	
Soil sample description should include:						ovided: MS/MSD - Duplicate s: Same as Above - As	- Trip Blanks - Field	l Blanks	
Soil sample description should	Munsell Color Odor Staining Texture Sorting Plasticity Moisture								
	ining Texture	Sorting Plasticity Moi	siure						
Munsell Color Odor Sta	_	Sorting Plasticity Moi	siure			-/			
Munsell Color Odor Sta	ld include:	Sorting Plasticity Moi	siure			/			an a
Water sample description shou Color Odor Sheen Tu	ld include:	Sorting Plasticity Moi			Ren	viewed by: (Fala)	Teriena		(Please P

Location ID: <u>LL_</u> DAG Date: <u>-5/1/2008</u> 5/-			Sam	pling Inform	ation				
Source /	Grou	ndwater / Product		Surface Wa	ter	Soils	: / Sediments / Słudge		
Method	Bailer		Sampl	e Bottle	X	Scoop Trowel			
	Pump		Bacon	Bomb	/ _	Bowl Hand Au			
						Push Probe	Plastic Liner	4	
Type/Construction				1		Mattocks	ЈМС	ŀ	
Miscellaneous	Well Purgi Yes - No	ing Form							
Sample Collection: 1015 196408-70-4_F Sample Deptin <u>)-</u> 4_F	rs T (below surfac	Sample Type: Cor If e) Decon: Ded	MI, # of	- MI - Grab increments taken: Each Day - Each	a-Location	Location: Estimat	Plotted on Map Staked ed - PS Surveyed	in Field	
Field Parameters (at time of sample)		Anal	ytical ]	Parameters		01	her Parameters	$\leq$	
PID / FID Readings: VOC						Corrosivity			
Background:	ackground: NA ppm SVOC					Reactivity Sulfide/Cy	anida		
Sample:	pprn	Explosives (Selected)	V	TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)							
Temperature <sup>°</sup> Perchlorate							QA Samples		
p. Conductance: UMHOs PCBs					MS/MSD	Yes / No	NA		
рН	units	Nitrate / Nitrite			<u> </u>	Duplicate ID		NA	
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID		NA	
Redox Potential	mV	Propeilants	<u> </u>			Trip Blank ID		NA	
Turbidity	N.T.U.								
Soft, wet b:	Sampl	e Description <u> <i>ufgravet</i></u> (f)	64] 		Split Samp Name:	le ID:	Sample	/	
					Agency/Co	mpany:		а <del>- 1917 - 1917</del>	
					Address:				
Soil sample description should Munsell Color Odor St. Water sample description shou	aining Texture	e Sorting Plasticity Moi	sture		QA/QC Pr Parameter	ovided: MS/MSD - Duplicate s: Same as Above - As	- Trip Blanks - Field Blanks 3 Listed		
Color Odor Sheen T	urbidity				nan an	/		e : 	
Logged By: <u>Xavier Sotelo</u> (Please Print) Signature: X					iewed by: <u>ASTAN</u> ignature: AMA	WERS NM Date: 1	(Please		

Location ID: <u>LL2</u> D	<u>AGA-S</u>	B-080 9 -000	Field	Sampling I	Report	RVAAP LL 2, 3, and	4 Sub-Slab Sample,	Ravenna, Ohio	
Location ID: <u> </u>	101		χ	) )					
				pling Inform		·····			
Source	Grou	ndwater / Product		Surface Wa		Soils / Sediments / Sludge			
Method	Bailer		Samp	e Bottle	X	Scoop			
	Pump	/	Bacon	вотр		Bowl	jer		
						Push Probe	ner ,		
Type/2onstruction			- 1 - 1			Mattocks	ЈМС		
Viscellaneous	Well Purg	ing Form		/	<u></u>			I	
	Yes - No					 			
Sample Collection: <u>090</u> h X DCHK Sample DepthQ - 4 FI	rs ſ (below surfac	Sample Type: Cor If e) Decon: Ded	MI, # of	- MI - Grab increments taken Each Day - Eac	: In Location	Location: Estimat	Plotted on Map-Stak ted - GPS Surveyed	ed in Field	
Field Parameters (at time of sample)		Anal	ytical	Parameters		O	ther Parameters		
PID / FID Readings:		voc				Corrosivity			
Background:	Ng ppm	svoc				Reactivity Sulfide/Cy	anida		
Sample:	ppm	Explosives (Selected)	V	TNT/ RDX		Ignitability			
Water Level	TT	Metals (Selected)							
Temperature °C Perchlorate							QA Samples		
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA	
pH	units	Nitrate / Nitrite				Duplicate ID		NA	
Dissolved Øxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA	
Redox Potential	m٧	Propellants				Trip Blank ID		NA	
Furbidity	N.T.U.								
soft wet brow,	Sampl n clay	e Description			Split Sample		Sample		
	1			······	Name:				
·····					Agency/Con	npany:	/		
					Address:				
					0.400 D				
Soil sample description should			Parameters:	vided: MS/MSD - Duplicate Same as Above - As	Listed				
Munsell Color Odor Stai	Sorting Plasticity Mois								
Water sample description shoul	d include:								
Color Odor Sheen Tur	bidity							alaysi Alaysi Gladadagaaga ahaan ji	
	1	(Please Print)			Revie	ewed by:	lovery-	(Please Pri	
.ogged By: <u>Xavio</u>	er Sotelo		Signature: Nin Sart						

Location ID: 1203/0-Scheen] Date: 16/10/08

## **Field Sampling Report**

Date: 16/10/08	<b>)</b>									
,				San	npling Informa	tion				
Source	Grou	ndwater / Product			Surface Wate	er	Soils	/ Sedimen	ts / Sludge	
Method	Bailer			Samp	le Bottle		Scoop		Trowel	
	Pump			Bacor	1 Bomb	/	Bowl		Hand Auger	
							Push Probe	X	Plastic Liner	
Type/Construction							Mattocks			
Miscellaneous	Well Purgi Yes - No	ing/Form			/					
Sample Collection: /4/0 hr Sample Depth: 0-0+019			If M	AI, # of	- MI - Grab increments taken Each Day - Each	Location	Location:		Map <u>Staked in Eiel</u> d - Measured - Sur	
Field Parameters (at time of sample)		А	naly	tical	Parameters		Otł	ier Para	meters	
PID / FID Readings:		VOC					Corrosivity			
Background: 🜔 टरे	ppm	SVOC					Reactivity Sulfide/Cyar	nide		-
Sample:	ppm	Explosives (Selecte	xplosives (Selected) X TNT/PDx Ignitability							+
Water Level	FT	Metals (Selected)								
Temperature	"C	Perchlorate					(	QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No		NA
рН	units	Nitrate / Nitrite					Duplicate ID	·	N	IA
Dissolved Oxygen	Mg / L	TPH DRO / HRO					Equipment Rinse ID		N	IA
Redox Potential	mV	Propellants					Trip Blank ID NA			A
Turbidity	N.T.U.									
Sample Description Medby Sand Sitt, MSt, No oda, DE redito peddish by Stammy in Area (Explosive) Not plastic 0.0401:0 probe Sample in Visval impactance. Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Steen Turbidity						Split Sampl Name: Agency/Cor Address: QA/QC Pro Parameters	npany: vided: MS/MSD - Duplicate - 1	Trip Blanks -	- Field Blanks	
Logged By: <u>FAN (orblag)</u> (Please Print) Reviewed by: <u>Jeppifer Shepard</u> (Please Print) Signature: <u>Him Works</u> Signature: <u>Him Shepard</u> Date: <u>(6/23/08</u> )										

Location ID: 12DB	10-50	neend		Field	Sampling R	eport	RVAAP Sub-Slab	Sample an	d Removal, Ravenna,	, он
Location ID:DB Date:/6_//040	8	<del></del>								
				San	pling Informa	tion	- m-			
Source	Grou	ndwater / Produ	ct		Surface Wat	er	Soil	s / Sedimen	ts / Sludge	-
Method	Bailer			Samp	le Bottle		Scoop		Trowel	
	Pump			Bacon	1 Bomb		Bowl		Hand Auger	
							Push Probe	X	Plastic Liner	
Type/Construction							Mattocks			
Miscellaneous	Well Purg Yes - No	ing Form								
Sample Collection: $\frac{146}{5}$ hrs Sample Depth: $\frac{60+0}{5}$	- MI - Greeb increments taken- Each Day - Each	Location	Location:		Map <u>Staked in Eield</u> d - Measured - Surve					
Field Parameters (at time of sample)			Analy	ytical 1	Parameters		Ot	ther Para	meters	
PID / FID Readings:	Readings: D-2 VOC						Corrosivity ·			
Background:	ppm	SVOC					Reactivity Sulfide Cy.	anide		
Sample:		Explosives (Sei	Explosives (Selected)		TNT/COX		Ignitability		······································	
Water Level	FT	Metais (Selecte	:d)		τ					
Temperature <sup>°C</sup> Perchlorate							QA Sam	ples		
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No	N	A
рН	units	Nitrate / Nitrite	;				Duplicate ID		NA	
Dissolved Oxygen	Mg / L	TPH DRO / HF	२०				Equipment Rinse ID NA			
Redox Potential	۳V	Propellants		<u> </u>			Trip Blank ID NA			
Turbidity	N.T.U.						-			
Sample Description Ared Sandy SIH, Mit, No odor, dered Stan praved from explosives, Notplastic						Split Sample Split Sample ID: Name: Agency/Company: Address:				
0-0-0 to 7 Prope	•	e M VTSVa	al Try	pact	aver				F 1101 (	
Munsell Color Odor Stain	ing Texture	Sorting Plastic	ity Mois.	ture		QA/QC Pro Parameters:	vided:/MS/MSD-Duplicate - Same as Above - As		rieid Blanks	
Water sample description should	include:					[				
Color Odor Sheen Turb	idity							· · · · · · · · · · · · · · · · · · ·		
Logged By:						Revio Sig	ewed by: <u>JCANI</u> nature: <u>JL Shy</u>	er S m	Date: 10/23/06	: Print) 3

Location ID: 112 DE	.ocation 1D: <u>112 DB10 - Scheek3</u> Field Sampling Report Nate: <u>16 May 18</u>									
Date: 16 10 48										
				Sam	pling Informa	tion				
Source	Grou	ndwater / Produc	t		Surface Wate	r	Soil	s / Sedimen	nts / Sludge	
Method	Bailer			Sampl	e Bottle		Scoop	X	Trowel	
	Pump	·····		Bacon	Bomb	/	Bowl	X	Hand Auger	
							Push Probe		Plastic Liner	
Type/Construction					<u> </u>	· · · · · · · · · · · · · · · · · · ·	Mattocks			
Miscellaneous	Well Purgi Yes - No	ing Form		/					_	
Sample Collection: 62 hrs		Sample T			- MI - Grab		Location:		n Map Staked in Field	
Sample Depth:     0-0     0.5     If MI, # of increments taken:     Estimated - Measured - Surveyed       Sample Depth:     0-0     FT (below surface)     Decon:     Dedicated - Each Day (Each Location)									cycu	
Field Parameters Analytical Parameters (at time of sample)						_	Ot	ther Para	ameters	
PID / FID Readings:							Corrosivity			
Background: 🖉 - 🔿	քքու	SVOC					Reactivity Sulfide/Cyanide			
Sample:	ррт	Explosives (Selected)		X	TNT/ROX		Ignitability			
Water Level	, <sup>гт</sup>	T Metais (Selected)						/		
Temperature	C Perchlorate							ØA Sam	ıples	
Sp. Conductance:	uMHOs	PCBs					MS/MSD	Yes / No	N.	A
рН	units	Nitrate / Nitrite	:				Duplicate ID		NA	`
Dissolved Oxygen	Mg∞ L	TPH DRO / HE	20				Equipment/Rinse ID N/			· · · · ·
Redex Potential	mV	Propellants		 			Trip Blank ID		NA	<u>`</u>
Túrbidity	N.T.U.									
- the Mallo G	Sample	e Description	N+		form	Split Sample	-	Sample		
aver (Explosin		viplastic		-01		Name:				
		w17-0(=1/				Agency/Con	DANV:			
						Address:		/		
5. [								-		
Surface sample i bulk explosives	YN MY	Acteda	fai	νų	ne					
Soil sample description should in	s We Le. nclude:	remain	a			QA/QC Pro	vided - MS/MSD - Duplicate -	- Trip Blanks	- Field Blanks	
Munsell Color Odor Stain	ing Texture	Sorting Plastic	ity Mois	ture		Parameters:	s Same as Above - As	Listed		
Water sample description should	include:					/	L			
Color Odor Sheen Turbidity						<u> </u>			······	
	<i>.</i>									
Logged By:	prenz		se Print)			Revie	ewed by: JENNIF inature: J. S. S. S.	i Sh	epuid (Please	e Print)
Signature:AUM	winz			<u></u>		Sig	inature: <u>Hr. Sh</u>	spad	Date: 10/23/0	28

Ation ID: $-\frac{L_2 + BH + A - SB - 524}{100}$	Field Sampling Report
Nate: 57272008 5/2,108	× 28mm

i in second

				Sa	mpling Infor	mation					<b>Ferritaria</b>	
Source	Gro	undwater / Produ	ct		Surface V	Vater		S	oils / Sedime	nts / Sludge		
Method	Baile <del>r</del>	/	1	Sam	ple Bottle		ľ	Scoop		Trowet		
	Pump			Baco	n Bomb	/		Bowl		Hand Auger		
								Push Probe		Plastic Liner	1	
Type/Construction								Mattocks		ЈМС		
Miscellaneous	Yes - No	ging Form							••••••••••••••••••••••••••••••••••••••	A	<u>,</u>	
Sample Collection: <u>1515</u> hr 1 [Hulos ] Sample Depth? <u>    4     </u> FT	s (below surfa		If	ΜI, # σ	- MI - Grab f increments taken Each Day - Ear	n:	<u>n</u>	Location Estim	n: Plotted or ated - PS S	1 Map - Staked in urveyed	n Fietd	
Field Parameters (at time of sample)			Anal	ytical	Parameters		Other Parameters					
PID / FID Readings:		VOC						Corrosivity		$\square$		
Background: A	/Դ <sup>թաո</sup>	SVOC						Reactivity Sulfide/Cyanide				
Sample:		Explosives (Sele	ected)	1	TNT/ RDX			Ignitability	<u> </u>			
Water Level	FT	Metals (Selected	i)									
Temperature	٣	Perchlorate							QA Sam	ples		
Sp. Conductance:	uMHOr	PCBs						MS/MSD	Yes / No	-	NA	
рН	units	Nitrate / Nitrite				1		Duplicate ID			NA	
Dissolved Øxygen	Mg/L	TPH DRO / HR(	C					Equipment Rinse ID			NA	
Redox Potential	ωV	Propellants						Trip Blank ID			NA	
Turbidity	N.T.U.									······		
<u>Auddebris</u> <u>and debris</u> Soil sample description should inc Munsell Color Odor Stainin Water sample description should in Color Odor Sheen Turbia	lude: ne Texture nclude:				<u>× ~/ g+, + 4</u>	Split S Name: Agency Addres QA/QC Parame	//Comp is: Provid	D:	Sample			
logged By: <u>Xavier S</u> Signature: <u>Xavier S</u>	iotelo Sz (	(Please )	Print)			1	Signa		m	Date: <u>28/</u>	(Please Print)	
							0	C- J8 (3):	Un lob			

Location ID: <u>LL2 D1</u> Date: <u>57272008</u> 51	3-12- 5	5B-028-5K	1919  500	-SO	- x Vol	RVAAP LL 2, 3, ar	nd 4 Sub-Sla	ıb Sample, Rav	enna, Ohio
Date:	21/08			· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
Source	1		Sa	mpling Inform		1			
Method		undwater / Product		Surface W	ater		ils / Sedimer	1	
Method	Bailer	/	-	ple Bottle		Scoop		Trowel	
	Pump		Bacc	n Bomb		Bowl		Hand Auger	
	ļ,		 			Push Probe		Plastic Liner	
Type/Construction			[			Mattocks		ЈМС	~
Miscellaneous	Well Purg Yes - No	ting Form							
Sample Collection: <u>445</u> h A ACA &	rs `(below surfac	Sample Type: Cor If Ce) Decon: Ded	MI, # o	- MI - Grab, f increments taker - Each Day - Eag	H <del>.</del>	Location Estim	ated - GPS S	Map Staked in urveyeds	Field
Field Parameters (at time of sample)		Anal	ytical	Parameters		C	)ther Para	meters	
PID / FID Readings:		voc	Ţ			Corrosivity			
Background:	ckground: $N \note^{ppm}$ SVOC					Reactivity Sulfide/C	yanida		
Sample:	ppm	Explosives (Selected)	-	TNT/ RDX	1	Ignitability	<u> </u>		-
Water Level	er Level FT Metals (Selected)								
Temperature <sup>°</sup> Perchlorate							QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	ບກູ່ເຮ	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	۷	Propellants				Trip Blank ID			NA
Turbidíty	N.T.U.								
in gist tower st	Sample Sample Strong	Description	<u>e ( .</u>	<u></u>	Split Sampl		Sample		
		· · · · · · · · · · · · · · · · · · ·			Name:	· ·			<i>f</i>
		······································			Agency/Cor	npany:	····		
		······			Address:				
				<u></u>		· · · · · · · · · · · · · · · · · · ·			
					OA/OC Pro	vided: MS/MSD - Duplicate	Trin Blacks	Field Dimite	
Soil sample description should in					Parameters	Same as Above - As	Listed	FRAI DELIKS	
Munsell Color Odor Stain		Sorting Plasticity Moist	ire			/			
Water sample description should									
Color Odor Sheen Turb	idity								
Logged By: Xavier Signature: Yui	Sotelo	(Please Print)				nature: AM	devez	∠ Date: XA	_(Plesse Print)
							ulue		

Location ID: 1220344 - 5B - 0265	Field Sampling Report
Date: $5727008$ $5/21/06$	10001-50 NA 28/24
	/

Grou Bailer Pump	undwater / Product	$\square$		Surface W	ater	5				
	·					Soils / Sediments / Sludge				
Pump		/		le Bottle	X	Scoop		Trowel		
			Baco	n Bomb		Bowl		Hand Auger		
						Push Probe		Plastic Liner	V	
					· · · · · · · · · · · · · · · · · · ·	Mattocks	ЈМС		C	
Well Purg Yes - No	ing Form							· · · · · · · · · · · · · · · · · · ·		
elow surfac	_	If N	√II, # of	increments taken	:	Location Estim	a: Plotted on ated - GPS Si	Map - Staked in	Pield	
		Analy	tical l	Parameters		C	)ther Para	meters		
	VOC					Corrosivity		7		
- ppm	SVOC					Reactivity Sulfide/C	yanida			
ppm	Explosives (Selec	ted)	/	TNT/ RDX	1	Ignitability				
FT	Metals (Selected)									
٣	Perchlorate						QA Sam	ples		
aMHOs	PCBs			· · · · · · · · · · · · · · · · · · ·		MS/MSD	Yes / No		NA	
nnits	Nitrate / Nitrite					Duplicate ID		/	NA	
Mg/L	TPH DRO / HRO					Equipment Rinse ID		· · · · · · · · · · · · · · · · · · ·	NA	
٧m	Propellants					Trip Blank ID			NA	
N.T.U.										
Sample	Description why gravel		· · · · · · · · · · · · · · · · · · ·		Náme:	le ID:	Sample			
ide: Texture ilude: y telo SAc			-e		Revi	ewed by: containing the	Listed		(Please Print)	
	elow surfac elow surfac ppm ppm FT C oMHOs units Mg / L ov N.T.U. Sample clasy de: Texture lude: y	Yes - No       Sample Typelow surface)       Decon:         ppm       VOC         ppm       SVOC         ppm       Explosives (Selected)         *C       Perchlorate         uMHOs       PCBs         units       Nitrate / Nitrite         Mg/L       TPH DRO / HRO         mV       Propellants         N.T.U.       Sample Description         clay       ud grave(         de:       Texture Sorting Plasticity         Jude:       y	Yes - No         Sample Type: Corr         If N         elow surface)       Decon: Dedit         Analy         VOC         ppm       SVOC         ppm       Explosives (Selected)         FT       Metals (Selected)         ©       Perchlorate         uMHOs       PCBs         units       Nitrate / Nitrite         Mg/L       TPH DRO / HRO         onV       Propellants         N.T.U.       Sample Description         clay	Yes - No       Sample Type: Composite If MI, # of Decon: Dedicated -         elow surface)       Decon: Dedicated -          Analytical I          VOC         ppm       SVOC         ppm       Explosives (Selected)         FT       Metals (Selected)         °C       Perchlorate         uMHOx       PCBs         niu       Nitrate / Nitrite         Mg/L       TPH DRO / HRO         nV       Propellants         NT.U.       Sample Description         clay       ud gravel         de:       Texture Sorting Plasticity Moisture         iude:       y	Yes - No         Sample Type: Composite - MI - Gradule If MI, # of increments taken If MI, # of Incrementataken If MI, # of Increments taken Increment	Yes - No       Sample Type: Composite - M1 - Grad- If M1, # of increments taken:         elow surface)       Decon: Decicated - Each Day - Each Location         Analytical Parameters         ym         VOC         pm         SVOC         pm         Explosives (Selected)         TNT/ RDX         FT         Metals (Selected)         TT         Whetals (Selected)         V         Propellants         Nitrate / Nitrite         Ms/L         TPH DRO / HRO         aiv         Nitrate / Nitrite         Ms/L         TPH DRO / HRO         aiv         NT.U.         Sample Description         clay       Split Samp         Name:         Agency/Co         Address:         gata         Clay       QA/QC Propellants         Name:         Agency/Co         Address:         Machine:       QA/QC Propellanteres         Clay       (Please Print)         Revi       Sig	Yes - No       Sample Type: Composite - MI - Crait IFMI, # of increments taken: Estim       Location         elow surface)       Decon: Decicated - Each Day - Beth Location       Estim         year       Analytical Parameters       C         year       VOC       Corrosivity         per       SVOC       Reactivity Sulfide/C         per       SVOC       Reactivity Sulfide/C         per       SVOC       Reactivity Sulfide/C         per       Explosives (Selected)       TNT/ RDX       Ignitability         r       Metals (Selected)       TNT/ RDX       Ignitability         r       Perchlorate       Duplicate ID       Equipment Rinse ID         avHoc       PCBs       MS/MSD       Duplicate ID         mass       Nitrate / Nitrite       Duplicate ID       Equipment Rinse ID         mass       Nitrate / Nitrite       Split Sample Description       Split         clay       genex/Company:       Address:       Address:         de:       Texture Sorting Plasticity Moisture       Pacameters:       Same as Abovy - As         resture Sorting Plasticity Moisture       Equipment Rinse ID       Name         de:       Corrosite Resceree Print)       Reviewed by: EpTit/ Rescere Print/	Yes - No       Sample Type: Composite - MI - Grad: If MI, # of increments taken: Decon: Decon: Dech Day - Beth Location       Location: Plotted on Estimated - GPS St Decon: Decon: Decon: Decon: Decon: Other Para         work       Analytical Parameters       Other Para         voc       Corrosivity       Reactivity Sulfide/Cyanide         pm       SVOC       Reactivity Sulfide/Cyanide         pm       Explosives (Selected)       TNT/ RDX       Ignitability         pm       Explosives (Selected)       MS/MSD       Yes / No         umm       Nitrate / Nitrite       Duplicate ID       Duplicate ID         min       Nitrate / Nitrite       Duplicate ID       Split Sample         min       Sample Description       Split Sample ID:       Names         de:       Texture Sorting Plasticity Moisture       DA/OC Provided: MSASD - Duplicate - Trip Black - D         det:       Texture Sorting Plasticity Moisture       Same a Above - As Listed         udress:       State	Yes - No       Sample Type: Composite - MI - Circle       Location: Plotted on Map - Statest in Estimated - (PS SITTERPER, Edw surface)         elow surface)       Decon: Dedicated - Each Day - Each Decation       Location: Plotted on Map - Statest in Estimated - (PS SITTERPER, Edw SITTERPE, Edw SITTERPER, Edw SITTERPER, Edw SITTERPE, Edw SITT	

Location ID: <u></u> DB Date: <u>52/2008</u> 5/	4-5B	- 0385N-0001	Field - 50	d Sampling i	Report f	RVAAP LL 2, 3, and	d 4 Sub-Sla	b Sample, Raven	ına, Ohio
Date: <u>52/2008</u> 5/	22/04		ŕ	Mr 2011	7				
	,	, , , , , , , , , , , , , , , , , , ,		mpling Inform					
Source	Grou	indwater / Product		Surface W	ater /	Soil	ls / Sedimer	uts / Sludge	
Method	Bailer		Sam	ple Boule	X	Scoop		Trowel	
	Pump		Baco	n Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	V
Type/Construction						Mattocks		<b>ЈМС</b>	0
Miscellaneous	Well Purg Yes - No	ing Form		7					
Sample Collection: <u>1150</u> h Sample Depth <u>0 - 14</u> FI		Sample Type: Cor If	MI, # o	- MI - Grab f increments taken - Each Day - Eac	h Location	LLocation: Estima	Plotted of ted - GPS S	n Map Staked in F urveyed	reld
Field Parameters (at time of sample)		Anal	ytical	Parameters		0	ther Para	meters	
PID / FID Readings:		voc				Corrosivity			
Background: A	JA_ ppm	svoc				Reactivity Sulfide/Cy	anida		
Sample:	ppm	Explosives (Selected)	1	TNT/ RDX		Ignitability			
Water Level	FT Metals (Selected)								
Temperature	τ	Perchlorate	Perchiorate				QA Sam	ples	
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рН	ບໜ້ອ	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	٧m	Propellants	ļ			Trip Blank ID			NA
Turbidity	N.T.U.								
Seft maisty	Sample-o ivef	e Description brown chy	ω/	depriz	Split Sample	Split e ID:	Sample		$\square$
	·····			· · · · · · · · · · · · · · · · · · ·	Agency/Con				• 
		· · · · · · · · · · · · · · · · · · ·			Address:				
				<u>_</u>					: ب <u>سمیة دست</u> ز ب <del>ستورو برد</del>
Soil sample description should i Munsell Color Odor Stair		Sorting Plasticity Moist	ure		QA/QC Prov Parameters:	rided: MSMSD - Duplicee - Same as Above - As	Trip Blanks Listed	Field Blanks	
Water sample description should									
Color Odor Sheen Turl	bidity								
	r Sotelo	(Please Print)			Revie	ewed by: Star	Levp		Please Print)
Signature:		2			Sig	nature: <u>AWN-K</u>	WA-	Date: A	ayor
						OC- J& 17	22310	B	

		,	San	pling Inform	ation					
Source	Grou	ndwater / Product		Surface Wa	ter /	Soils / Sediments / Sludge				
Metbod	Bailer		Samp	le Bottle		Scoop	Trowel			
	Pump		Bacor	1 Bomb		Bowl	Hand Auger			
						Push Probe	Plastic	Liner		
Type/Construction	- 7	2				Mattocks	JMC	ł		
Miscellaneous	Well Purg Yes - No	ing Form		· · · · · ·						
Sample Collection: <u>1015</u> Weite Depth: <u>2.55</u>		Sample Type: Co I e) Decon: De	f MI. # of	- MI - Grab f increments taken: Each Day - Eacl	n Location	Location: Estima	Plotted on Map - S ted - CIPS Surveyed	insked in Field		
Field Parameters (at time of sample)		Ana	lytical	Parameters		0	ther Parameter	s		
PID / FID Readings:		VOC		1		Corrosivity				
Background:	NA ppm	svoc	~			Reactivity Sulfide/Cy	vanida			
Sample:	ррп	Explosives (Selected)	1	TNT/ RDX		Ignitability				
Water Level	FĨ	Metals (Selected)								
Temperature	ĉ	Perchlorate					QA Samples			
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA		
рН	units	Nitrate / Nitrite				Duplicate ID		NA		
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA		
Redox Potential	۲an .	Propellants				Trip Blank ID	·	NA		
Turbidity	N.T.U.									
Euose to stin	Samp F-4 , d ry	e Description	ay	[Fill]	Split Samp		t Sample			
Rethin	alc. 2.0	· · · · ·			Name: Agency/Co	npany:		$\square$		
					Address:		/			
Soil sample description shou					QA/QC Property	ovided: MS/MSD - Duplicate : Same as Abova - A	- Trip Blanks - Field Bl s Listed	anks		
Munsell Color Odor S		e Sorting Plasticity Mo	visture							
Water sample description sho										
Color Odor Sheen T	urvially		<u>.</u>		/	iewed by: <u>A</u> M	ALLENAA-	(Please		
Logged By: Xa	vier Sotelo	(Please Prin	t)				Usingen Di			

	Location ID: <u>LL2 DB/1</u> Date: <u>5/2/2008</u> 5/2	1-52·	-11 2-5 K-Ani	Field	Sampling F	Report	RVAAP LL 2, 3, and	l 4 Sub-Sla	b Sample, Raven	na, Ohio	
	Date: $5/2/2008 5/2$	2/05		Ĩ	1 2 y 28 M	81		514		-	
	Date: <u>51212008</u>				pling Inform						
	Source	Gron	ndwater / Product		Surface Wa		Soils / Sediments / Sludge				
	Method	Bailer	III Water / I found	Samp	e Bottle		Scoop		Trowel		
	Mellou			Bacon Bomb			Bowl		Hand Auger		
		Pump		Bacon			Push Probe		Plastic Liner	V	
				······································			Mattocks		JMC		
	Type/Construction			· · · · · /	/				J.10	<u> </u>	
	Miscellaneous	Well Purging Form Yes - No									
A	Sample Collection:       1001// hrs       Sample Type: Composite - MI - Grodential Control Contrelation										
	Field Parameters (at time of sample)		Analy	rtical l	Parameters		0	ther Para	umeters		
	PID / FID Readings:		VOC				Corrosivity				
	Background:	JA ppm	svoc				Reactivity Sulfide/Cy	anida			
	Sample:	Explosives (Selected)		TNT/ RDX		Ignitability					
	Water Level / FT Metals (Selected)										
	Temperature	°C Perchlorate						QA San	ples	$\square$	
	Sp. Conductance:	vMHOs	PCBs				MS/MSD	Yes / No		NA	
	рН	units	Nitrate / Nitrite				Duplicate ID		/	NA	
	Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID			NA	
	Redox Potential	m∨	Propellants				Trip Blank ID			NA	
	Turbidity	N.T.U.									
	st:ffmoist	Sample	Description	vel	CF:LL]	Split Sample		Sample		$\square$	
	Ŷuł	usal C	2.0' \$ 10	23/0	2B	Name: Agency/Con	monin			······································	
			U			Address:			-	<u></u>	
								_/			
	Soil sample description should in	clude:					rided: MS/MSD - Duplicare Same as Above - As		- Field Blanks		
	Munsell Color Odor Stain	ing Texture	Sorting Plasticity Moist	иге						1 1 1	
	Water sample description should	include:									
	Color Odor Sheen Turb	idity					/				
	Logged By: <u>Xavier</u> Signature:	Sotelo	(Please Print)				ewed by:	Lever My	Date: _28	_(Please Print)	
Ł	<u> </u>				<u> </u>	ť	PC- V& W	23/6	) B		
							()	,			

		/101 SV-2001-S		npling Inform					
Source	Grou	ndwater / Product		Surface Wa		Soils	/ Sediments /	Sludge	
Method	Bailer		Samp	ample Bottle		Scoop	Ti	rowel	
	Pump		Baco	n Bomb	/	Bowl	Н	and Auger	
						Push Probe	PI	lastic Liner	L
Type/Construction	- 7	Z		/		Mattocks	И	мС	~
Miscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: <u>0945</u> f Social States Sample Depth <u>0 - 4</u> F			MI, # o	- MI Grab f increments taken Each Day Eacl	Location	Location: Estimat	Plotted on Mz ed - GPS Surve	ap Staked in Fi	eld
Field Parameters (at time of sample)		Anal	ytical	Parameters		Ot	her Parame	eters	/
PID / FID Readings:		VOC				Corrosivity			
Background: K	JA ppm	SVOC				Reactivity Sulfide/Cya	anida		
Sample:	ррт	Explosives (Selected)	1	TNT/ RDX		Ignitability			
Water Level FT Metals (Selected)									
	<u>~</u>	Perchlorate	-				QA Sample	es	/
Sp. Conductance:	uMHOs	PCBs	+			MS/MSD	Yes / No		NA
pH	units	Nitrate / Nitrite				Duplicate ID		/	NA
Dissolved Oxygen	Mg / L	TPH DRO / HRO				Equipment Rinse ID	/		NA
Redox Potential	·mV	Propellants				Trip Blank ID			NA
Furbidity	N.T.U.								
stiff mois	Sampl t שניז של אישר	e Description n clay W/gra yor	uel l JATige	<u>[Filv]</u>	Split Sample Name: Agency/Con	e ID:	Sample		
	ling for day.				Address:	vided: MS/MSD - Duplicate -	Trìp Blanks - Fi	uit Blanks	
Soil sample description should Munsell Color Odor Sta		Sorting Plasticity Moi	sture		Parameters	Same as Above - As			
Water sample description shou	ld include:								
vater sample description show									
Color Odor Sheen Tu	urbidity				Her watch three the	and a second			

			San	npling Inform	ation				
Source /	Grou	ndwater / Product		Surface Wa	ter	Soils	/ Sediments / S	Sludge	
Method	Bailer		Samp	le Bottle	X	Scoop	Tı	Trowel	
	Pump		Васог	n Bomb		Bowl	н	and Auger	
						Push Probe	PI	lastic Liner	
Type/Construction						Mattocks	IL	MC	2
riscellaneous	Well Purg Yes - No	ing Form							
Sample Collection: 0935   WC108-20 - 2 F Sample Deptit: 2 F	urs F (below surfac		MI, # of	- MI - Grab f increments taken: Each Day - Eacl		Location: Estimat	Piotted on Ma ed - GPS Surve	p-Staked in F	ोलप
Field Parameters (at time of sample)		Anal	ytical	Parameters		01	her Parame	eters	$\leq$
PID / FID Readings:		VOC				Corrosivity		$\angle$	
Background: A	JA <sup>ppm</sup>	svoc				Reactivity Sulfide/Cy	anida		
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability			
Water Level	FT	Metals (Selected)	- <u>f</u>						
Temperature							QA Sample	es	/
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA
рн	ນໝ່ຽ	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA
Redox Potential	mV	Propellants				Trip Blank ID			NA
Turbidity	N.T.U.							······································	
	Sampt <u> b rown</u> cl USCAL C	e Description <del> ~7 ~/ gravel/</del> <del> 2-0' }5</del> 10			Split San Name: Agency/C		Sample		<u>/</u>
					Address:		_/		
Soil sample description should Munsell Color Odor Sta Water sample description shou	iining Texture	Sorting Plasticity Moi	sture		QA/QC I Paramete	Provided: MS/MSD - Duplicate ers: Same as Above - As	Listed	eld Blankş	
Color Odor Sheen Ti						1			
	-						n Leve	~	(Pl
Logged By: <u> </u>	ier Sotelo	(Please Print	)			eviewed by:		Date:	_(Please F

Location ID: <u>LL2DB</u> Date: <u>-5/2/2008</u> 5/22	71- (B -	RG 9 5 - DOD -	Field	Sampling F	Report	RVAAPLL 2. 3. and	4 Sub-Slab Sample, Ra	venna, Ohio		
Location ID: $\underline{LLAUD}$	108	<u>01130</u>	Ñ.	NA 981	w4		•			
Date:										
·····	/		San	npling Inform		1				
Source	Grou	ndwater / Product		Surface Wa	ter	Soils / Sediments / Sludge				
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	Pump		Bacor	n Bomb		Bowl	Hand Auger			
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Type/Construction						Mattocks	ЈМС	V		
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PID / FID Readings:		VOC				Corrosivity				
Background:	NA <sup>ppm</sup>	svoc				Reactivity Sulfide/Cy	anida			
Sample: /	ppm	Explosives (Selected)	$\overline{\mathbf{V}}$	TNT/ RDX		Ignitability				
Water Level	17	Metals (Selected)								
Temperature	r	Perchlorate					QA Samples			
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No	NA		
рН	units	Nitrate / Nitrite				Duplicate ID		NA		
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		NA		
Redox Potential	m٧	Propellants				Trip Blank ID		NA		
Turbidity	N.T.U.									
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Munsell Color Odor St	aining Texture	Sorting Plasticity Moi	sture							
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N/ «	vier Sotelo	(Please Print)	)			viewed by: Star	WERZ Date: 2	(Please Print)		
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Location ID: <u>                                     </u>			San	npling Informa	tion			
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Method	Bailer		Samp	le Bottle		Scoop	Trowel	
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Logged By: Xavia	er Sotelo	(Please Print	)		R	eviewed by: Thin (	werge	Please F
Signature:	Sola				/	Signature: <u>JSUM-</u> GC- JS	Date:	28 May

Location ID: <u>4220</u> Date: <u>5/2/2008</u>	310 - 5B	-971 54-0001-5	Fiel) ک	d Sampling	Report <sup>.</sup>	RVAAP LL 2, 3, a	nd 4 Sub-Sk	ab Sample, Rave	enna, Ohio		
Date: <u>5/2/2008</u> ,	121/08		Ľ	2011							
		·······	Sa	mpling Inform	nation	· · · · · · · · · · · · · · · · · · ·					
Source	Gro	undwater / Product	ļ	Surface W	ater	So	Soils / Sediments / Sludge				
Method	Bailer		Sample Bottle		Scoop		Trowel				
	Pump		Bacon Bomb			Bowl		Hand Auger			
						Push Probe		Plastic Liner	V		
Type/Construction			ļ		·	Mattocks		ЈМС	V		
Miscellaneous	Yell Pury Yes - No	ging Form									
Sample Collection: 145 Sample Depth: 0- 1.5	hrs		MI, # o	f increments taker	r	Location Estim	n: Plotted.or ated GPS S	Map Staked in	Field		
Field Parameters (at time of sample)				- Each Day - Eac Parameters	ch Location	C	)ther Para	ameters			
PID / FID Readings:		voc	1	1		Corrosivity					
Background:	NA ppm	svoc			-	Reactivity Sulfide/C	yanida				
Sample:	ppm	Explosives (Selected)		TNT/ RDX		Ignitability					
Water Level	FT	Metals (Selected)			1						
Temperature	τ	Perchlorate					QA Sam	ples			
Sp. Conductance:	uMHOs	PCBs				MS/MSD	Yes / No		NA		
рН	ານໝໍາສ	Nitrate / Nitrite			_	Duplicate ID		/	NA		
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID			NA		
Redox Potential	Vm	Propellants				Trip Blank ID			NA		
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ctiff, moist bi	Sample	Description wfsand and debr	ris Z	F.U.T	Split Sample	Split • ID:	Sample				
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Soil sample description should					Parameters:	ided: MSMSD - Duplicate - Same as Above - As	Trip Blanks - Listed	Field Blanks			
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Water sample description shoul						/					
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logged By: <u>Xavie</u>	er Sotelo					wed by: A Star	Tever	Date: 28h	(Please Print)		
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Location ID: 142	DB10-9	SB -096 5N-000	Fiel Share	d Sampling i	Report	RVAAP LL 2, 3, ar	ıd 4 Sub-Sl	ab Sample, Rav	enna, Ohio
Location ID: <u>222</u> Date: <u>5222008</u> 5/2	108			C AL SKIN	04				·
	,			mpling Inform					
Source	Gro	undwater / Product		Surface Wa	ater /	So	ils / Sedime	nts / Sludge	
Method	Bailer		Sam	ple Bottle	X	Scoop		Trowel	
	Pump		Bacc	n Bomb		Bowl		Hand Auger	
						Push Probe		Plastic Liner	c
Type/Construction						Mattocks		ЈМС	L
Miscellaneous	Well Pury Yes - No	ging Form	/						
Sample Collection: 1315 Sample Depth: 0-2.8 F	T (below surfa	Sample Type: Cor If ce) Decon: Ded	MI, # 0	- Ml - Grab f increments taken: - Each Day - Each		Location _ Estim	ated - OPS S	n Map - Staked in Surveyed	Field
Field Parameters (at time of sample)		Anal	ytical	Parameters		C	other Para	ameters	
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Background:	VA- ppm	SVOC				Reactivity Sulfide/C	yanida		
Sample:	ppm	Explosives (Selected)	1	TNT/ RDX		Ignitability			
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рН	s זינקטי	Nitrate / Nitrite				Duplicate ID			NA
Dissolved Oxygen	Mg/L	TPH DRO / HRO	Ĺ			Equipment Rinse ID			NA
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Turbidity	א.ד.u.								
stiff, mint Ver	Sample brown Sale, 2	,		nd debris EF.LeJ	Name: Agency/Com Address:	e ID:	Sample		
Soil sample description should i Munsell Color Odor Stain Water sample description should Color Odor Sheen Turl Logged By: Xavie	ning Texture l include:	Sorting Plasticity Moistu	ure		Parameters:	vided: MSMSD - Duplicate Same as Above - As	Listed		(Please Print)

QC- J810	123/08
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Location ID:	2 DB 30 - 55 - 104
Date: <del>5/2/2008</del>	5/22/08

# Field Sampling Report

Sampling Information											
Source	Grou	undwater / Product	Surface Water			/	Soils / Sediments / Sludge				
Method	Bailer	1	Samp	ie Bottle	/	7	Scoop		Trowel		
	Ритр		Baco	n Bomb	7.		Bowl		Hand Auger		
							Push Probe		- Plastic Liner		
Type/Construction							Mattocks		ЈМС		
Mascellaneous Well Purging Form Yes - No											
				- MI - Grab f increments taken: Each Day - Each	Locatio	h	Location: Plotted on Map - Staked in Pield Estimated - OPS Surveyed				
Field Parameters (at time of sample)		Analytical Parameters				Other Parameters					
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	svoc					Reactivity Sulfide/Cyanida					
Sample:	ppm	Explosives (Selected)		TNT/ RDX			Ignitability				
Water Level	/ FT	Metals (Selected)									
Water Level     FT       Temperature     °       Sp. Conductance:     ºMHOs       pH     vnicc		Perchlorate				QA Samples					
Sp. Conductance: uMHOs		PCBs					MS/MSD	Yes / No	N	A	
рН	vnits	Nitrate / Nitrite					Duplicate ID		NA		
Dissolved Oxygen	Mg/L	TPH DRO / HRO					Equipment Rinse ID		NA		
Redox Potential	٧an	Propellants	ļ		ļ		Trip Blank ID		NA	·	
Turbidity	N.T.U.										
Sample Description Sa Ft, Moi'st, Jawa clay w/debait Soil sample description should include: Munsell Color Odor Staining Texture Sorting Plasticity Moisture Water sample description should include: Color Odor Sheen Turbidity Lopped By: Xavier Solelo (Please Print)					Split Sample Split Sample ID: Name: Agency/Company: Address: QA/QC Provided: MS/MSD - Duplicate - Trip Blanks - Field Blanks Parameters: Same as Above - As Listed Parameters: Same as Above - As Listed						
Logged By:     Xavier Sotelo     (Please Print)     Reviewed by:     And Logged Topological       Signature:     Image: Signature:     Signature:     Image: Signature:     Date:											
	Image: Second Structure Provided Struct										

Location ID: <u>LLZDB4VP1-55-684</u> Date: <u>57272008</u> 572108				Sampling R	leport	RVAAP LL 2, 3, and 4 Sub-Slab Sample, Ravenna, Ohio				
Date: Shows 5h	2/08	<u> </u>	00	AF as My				. ,		
Date <u>9/4/2006</u> 7			$\sim$							
ource Groundwater / Product			Sampling Information Surface Water			Soils / Sediments / Sludge				
Source			Sample Bottle			Scoop Trowel				
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Type/Construction						Mattocks		JMC		
Miscellaneous	Yes - No	ing Form								
Sample Collection: <u>110 2</u> hu L [705]05 2 0 - 1 FT Sample Depth: 0 - 1 FT	rs [ (below surfac	Sample Type: Con If e) Decon: Ded	MI. # of	- MI - Grab increments taken: Each Day Each		Location: Estima	Plotted o ted - GPS S	n Map - Staked in Surveyed	Field	
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PID / FID Readings:		VOC				Corrosivity				
Background:	() A ppm	SVOC				Reactivity Sulfide/Cyanida		1   -		
Sample:	/ ppm	Explosives (Selected)		TNT/ RDX		Ignitability				
Water Level	TT	Metals (Selected)	1							
Temperature ° Perchlorate						QA Samples				
Sp. Conductance	uMHOs	PCBs				MS/MSD	Yes / N	0	NA	
рН	units	Nitrate / Nitrite				Duplicate ID			NA	
Dissolved Oxygen	Mg/L	TPH DRO / HRO				Equipment Rinse ID		, , , , , ,	NA	
Redox Potential	mV	Propellants				Trip Blank ID			NA	
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Soft , wet	Sample	e Description			Split Samp		Sample		/	
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Soil sample description should	include:				QA/QC Pro	ovided: MS/MSD - Duplicate s: Same as Aboys - As	- Trip Blanks	: - Field Blanks		
Munsell Color Odor Stat		Sorting Plasticity Moi.	sture				(1997) 			
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Signature:	SiA					gnature: AW	Linh	Date:	MAC	
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APPENDIX D Technical Change Memoranda



## Memorandum

MARCH 31, 2008

Ms. Eileen Mohr Project Manager Ohio Environmental Protection Agency 2110 E. Aurora Rd. Twinsburg, Ohio 44087

### SUBJECT: LOAD LINE 4 TECHNICAL CHANGE IN DIRECTION FOR THE SUB-SLAB SCREENING SAMPLING AT THE RAVENNA ARMY AMMUNITION PLANT

Dear Ms. Mohr:

The U S Army Corps of Engineers (USACE) has contracted URS Corporation (URS) to conduct sub slab sampling and potential removal of earth fill materials at Load Lines 2, 3, and 4 at the Ravenna Army Ammunition Plant (RVAAP). The scope of work includes sub-slab TNT/RDX screening sampling, MI confirmatory sub-slab sampling, and earth fill removal (if necessary) to Load Line 4.

The field sampling effort for sub-slab materials began in March 2008 and will proceed until all slabs are removed.

#### TECHNICAL CHANGES TO THE PROJECT SCOPE OF WORK:

The following changes to the technical work for the sub slab screening sampling were undertaken based upon site conditions encountered at Load Line 4.

#### Load Line 4

1. SUB- SLAB SCREENING SAMPLING:

Issue: The project Scope of Work (USACE) and Work Plan specify that the sub-slab screening samples be collected from each building footprint within 7 days after slab removal. The screening samples are to be collected from a designated grid configuration in high priority buildings and biased to any visual indications of potential impact in medium and low priority buildings. If there are no visual indications of impact in medium and low priority buildings, then the screening sample is to be collected at the center of the footprint or biased to areas where the slab integrity was suspect due to cracks etc. Based upon site conditions encountered, the sample grid or sample locations may be covered by standing water. Two-issues result from the standing water:

1) The pre-determined locations for the 4-foot cores and/or 0.0 to 1.0 foot samples cannot be installed as indicated in the Work Plan due to standing water.

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 A full visual inspection of the building footprint is not possible due to standing water. Therefore the sample locations cannot be biased to potential visually impacted areas.

These conditions have been encountered to date at Load Line 4 buildings G-7, G-11, G-15 and to a minor degree at G-8. The sample locations at these buildings were adjusted to allow sampling in areas without standing surface water.

G-7 – The sample was collected from 0.0 to 1.0 feet bgs on the south side of the footprint due to standing water.

G-8 – The sample grid was established as per the SOW except that several sample locations were skewed slightly out of the exact location due to standing water. The basic configuration of the grid was maintained for the 0.0 to 4.0 feet bgs cores.

G-11 – The sample was collected from 0.0 to 1.0 bgs on the north side of the footprint due to standing water.

G-15 – The two 0.0 to 4.0 feet cores were collected from two areas that were above the level of standing surface water. The samples were located at the central northwest and east central portions of the bldg foot print.

<u>Technical Change</u>: The sub slab screening samples were collected in available locations not covered with standing water as close to the intended location as possible. Every attempt was made to collect the screening samples at the locations specified in the Work Plan.

The visual survey for these buildings will be conducted at a later date after the standing water has subsided. If the field screen analytical data reveal no exceedances of respective cleanup goals, but visual indicators of contamination are observed during the follow-up visual survey, additional field screen sample(s) will be collected from the suspect areas, with approval from the USACE and Ohio EPA.

In the future, the MKM visual survey documentation sheets for each building will be used to plan sampling and document any visually impacted areas if standing water is encountered. This information will be used to direct either sampling or future visual inspections. Any deviations from the locations designated in the Work Plan will be documented in a Technical change memorandum.

URS, through the USACE will keep you informed of any issues or specifics regarding this work as they arise. Should you have any questions or comments regarding these issues, please do not hesitate to call me at 614 787 4711 or Jo Ann Bartsch at 216 622 2229.

Respectfully, URS Group, Inc.

Stan Levenger Technical Project Manager



Cynthia A. Ries
Eileen Mohr



"Eileen Mohr" <eileen.mohr@epa.state.oh.us>

04/10/2008 01:38 PM

To <Stan\_Levenger@URSCorp.com>

CC "Eileen Mohr" <eileen.mohr@epa.state.oh.us>, "Todd Fisher" <todd.fisher@epa.state.oh.us>, <Jo Ann Bartsch@URSCorp.com>,

bcc

Subject Re: RVAAP Technical Change Memo

Looks good. Thanks Stan.

Eileen T. Mohr Project Manager Division of Emergency and Remedial Response 2110 East Aurora Road Twinsburg, OH 44087 330-963-1221 330-487-0769 (FAX) email: Eileen.Mohr@epa.state.oh.us

>>> <Stan\_Levenger@URSCorp.com> 4/9/2008 1:13 PM >>> Eileen,The Technical Change Memo 001 is attached. I have also attached Cindy's signature page. Please feel free to notify if you have any questions or concerns.ThanksStan LevengerURS, Dublin614 726 3575Cell 614 787 4711

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.



# Memorandum

APRIL 17, 2008

Ms. Eileen Mohr Project Manager Ohio Environmental Protection Agency 2110 E. Aurora Rd. Twinsburg, Ohio 44087

# SUBJECT: LOAD LINE 3 TECHNICAL CHANGE FOR THE SUB-SLAB SCREENING SAMPLING AT THE RAVENNA ARMY AMMUNITION PLANT

Dear Ms. Mohr:

The U S Army Corps of Engineers (USACE) has contracted URS Corporation (URS) to conduct sub slab sampling and potential removal of earth fill materials at Load Lines 2, 3, and 4 at the Ravenna Army Ammunition Plant (RVAAP). The scope of work includes sub-slab TNT/RDX screening sampling, MI sub-slab sampling, and earth fill removal (if necessary) to Load Line 4.

The field sampling effort for sub-slab materials began in March 2008 and will proceed until all slabs are removed.

# **TECHNICAL CHANGES TO THE PROJECT SCOPE OF WORK:**

The following changes to the technical work for the sub slab screening sampling were undertaken based upon site conditions encountered at Load Line 3.

# Load Line 3

1. SUB- SLAB SCREENING SAMPLING:

<u>Issue</u>: The project Scope of Work (USACE) and Work Plan specify that the sub-slab screening samples be collected from each building footprint within 7 days after slab removal. The screening samples are to be collected from a designated grid configuration in high priority buildings and biased to any visual indications of potential impact in medium and low priority buildings. Based upon site conditions encountered, the sample grid or sample locations may be covered by stockpiled demolition debris. Two issues result from the stockpiled demolition debris:

1) Several SOW locations for the 4-foot core samples cannot be installed as indicated in the Work Plan due to stockpiled demolition debris remaining staged on the bldg footprint at EB-4 and EB-4A. The buildings were cleared by BRAC for sampling but the remaining debris obstructs sample collection.

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 A full visual inspection of the building footprint is not possible due to the debris pile. Therefore the sample locations cannot be biased to potential visually impacted areas if necessary.

These conditions have been encountered to date at Load Line 3 high priority buildings EB-4 and EB-4A. The remaining sample locations not obstructed at these buildings were collected within the 7 day window.

<u>Technical Change</u>: The sub slab screening samples have been collected in locations not covered with demolition debris. The remaining sample locations (EB-4, 3 samples total, and EB-4A, 4 samples total) will be collected as soon as the locations are accessible. It is anticipated that the debris will be removed the week of April 14 based upon conversations with BRAC. The visual survey for these buildings will be conducted prior to the soil screening sampling.

Any further deviations from the locations designated in the Work Plan will be documented in a Technical Change memorandum.

URS, through the USACE, will keep you informed of any issues or specifics regarding this work as they arise. Should you have any questions or comments regarding these issues, please do not hesitate to call me at 614 787 4711 or Jo Ann Bartsch at 216 622 2229.

Respectfully, URS Group, Inc.

Stan Levenger Technical Project Manager



Approval Signature, USACE - \_\_\_\_\_Cynthia A. Ries

Title - \_\_\_\_

Date:\_\_\_\_\_

Approval Signature Ohio EPA - \_\_\_\_\_ Eileen Mohr

Title - \_\_\_\_

Date - \_\_\_\_

Cindy Ries, USACE cc: Mark Patterson, RVAAP BRAC Jo Ann Bartsch, URS



"Eileen Mohr" <eileen.mohr@epa.state.oh.us> 04/22/2008 12:59 PM

- To "Todd Fisher" <todd.fisher@epa.state.oh.us>, <Stan\_Levenger@URSCorp.com>, <Cynthia.A.Ries@usace.army.mil>
- cc "Eileen Mohr" <eileen.mohr@epa.state.oh.us>, <Jo\_Ann\_Bartsch@URSCorp.com>

bcc

Subject Re: Technical change memo #2 RVASAP subslab

Technical change acceptable to Ohio EPA.

Eileen T. Mohr Project Manager Division of Emergency and Remedial Response 2110 East Aurora Road Twinsburg, OH 44087 330-963-1221 330-487-0769 (FAX) email: Eileen.Mohr@epa.state.oh.us

>>> <Stan\_Levenger@URSCorp.com> 4/17/2008 10:51 PM >>>
Eileen/Todd,

Technical change memo #2 for the meltpours at LL 3 is attached. Please feel free to contact Cindy or URS if you have any questions or comments. Thanks

Stan Levenger URS, Dublin Office 614 726 3575 Cell 614 787 4711

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# Memorandum

MAY 20, 2008

Ms. Eileen Mohr Project Manager Ohio Environmental Protection Agency 2110 E. Aurora Rd. Twinsburg, Ohio 44087

# SUBJECT: TECHNICAL CHANGE MEMO #3 - LOAD LINE 4 TECHNICAL CHANGE IN SCOPE OF WORK FOR THE SUB-SLAB SCREENING SAMPLING AT THE RAVENNA ARMY AMMUNITION PLANT

Dear Ms. Mohr:

The U S Army Corps of Engineers (USACE) has contracted URS Corporation (URS) to conduct sub slab sampling and potential removal of earth fill materials at Load Lines 2, 3, and 4 at the Ravenna Army Ammunition Plant (RVAAP). The scope of work includes sub-slab TNT/RDX screening sampling, MI sub slab sampling, and earth fill removal (if necessary) to Load Line 4.

The field sampling effort for sub-slab materials began in March 2008 and will proceed until all slabs are removed.

# TECHNICAL CHANGES TO THE PROJECT SCOPE OF WORK:

The following changes to the technical work for the sub slab soil screening sampling were undertaken based upon site conditions encountered at Load Line 4.

# Load Line 4

1. SUB- SLAB SOIL SCREENING SAMPLING:

<u>Issue</u>: The project Scope of Work (USACE) and Work Plan specify that the sub-slab screening samples be collected from each building footprint. The demolition contractor (Pika) was unable to locate the slab for bldg G-14. An investigation of all available records and figures was conducted to determine the location of the bldg slab. In conjunction with the records review, a field investigation was also conducted to search for the bldg slab. Based upon the review, it has been determined that the original slab for bldg G-14 was replaced during construction of the newer bldg G-13A. The G-13A footprint covers an area that includes the former G-14 footprint. Resulting issue as follows:

1) The SOW requires a soil screening sample from under the bldg G-14 slab. The bldg was replaced by newer construction of G-13A so sampling of the G-14 footprint is not possible.

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<u>Technical Change</u>: The sub slab screening sample for bldg G-14 will not be collected. However a soil screening sample has been collected for G-13A which occupied an area that included the former bldg G-14 footprint.

URS, through the USACE will keep you informed of any issues or specifics regarding this work as they arise. Should you have any questions or comments regarding these issues, please do not hesitate to call me at 614-787-4711 or Jo Ann Bartsch at 216 622 2229.

Respectfully, URS Group, Inc.

Stan Levenger Technical Project Manager

Jo Ann Bartsch, URS

Approval Signature, USACE	Cynthia A. Ries
Title	
Date:	
Approval Signature Ohio EPA	Eileen Mohr
Title	
Date	
Attachments cc: Cindy Ries, USACE	
Mark Patterson, RVAAP BRAC	······



"Eileen Mohr" <eileen.mohr@epa.state.oh.us>

05/22/2008 12:51 PM

- To "Todd Fisher" <todd.fisher@epa.state.oh.us>, <Stan\_Levenger@URSCorp.com>
- cc "Eileen Mohr" <eileen.mohr@epa.state.oh.us>, <joevann@frontiernet.net>, <Jo\_Ann\_Bartsch@URSCorp.com>, "Cynthia A LRL Ric

bcc

Subject Re: Technical Memo #3 - RVAAP Sub Slab Soil Samplin 2, 3, and 4

Sounds good to me. Thanks.

Eileen T. Mohr Project Manager Division of Emergency and Remedial Response 2110 East Aurora Road Twinsburg, OH 44087 330-963-1221 330-487-0769 (FAX) email: Eileen.Mohr@epa.state.oh.us

>>> <Stan\_Levenger@URSCorp.com> 5/20/2008 3:33 PM >>> Eileen,

Technical memo #3 for the LL 2, 3, and 4 Sub Slab Sample Project is attached for review. The USACE has approved and the signature page is to follow.

Stan Levenger URS, Dublin Office 614 726 3575 Cell 614 787 4711

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APPENDIX E Field Screening Laboratory Calculations

APPENDIX E-1 TNT Results

Sample ID	Date Collected	Time Collected	Date Tested		Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL4-G5-SS-001SN-0001-SO	3/14/2008	14:30	3/14/2008	1	0.011	0.012	-0.99	ND	
LL4-G5-SS-001SN-0001-SO-DUP	3/14/2008	14:30	3/14/2008	1	0.006	0.002	-0.68	ND	
LL2-DB4-SS-001SN-0001-SO	3/21/2008	11:05	3/21/2008	1	0.209	0.537	-9.26	ND	
LL2-DB4-SS-001SN-0002-SO	3/21/2008	11:08	3/21/2008	1	0.077	0.356	1.49	1.5	
LL2-DB4-SS-002SN-0001-SO	3/21/2008	11:10	3/21/2008	1	0.036	0.185	1.27	1.3	
LL2-DB4-SS-002SN-0002-SO	3/21/2008	11:13	3/21/2008	1	0.031	0.132	0.25	ND	
LL3-EB10-SS-001SN-0001-SO	3/21/2008	10:15	3/21/2008	1	0.012	0.053	0.15	ND	
LL3-EB10-SS-001SN-0002-SO	3/21/2008	10:18	3/21/2008	1	0.007	0.009	-0.59	ND	
LL3-EB10-SS-001SN-0002-SO-DUP	3/21/2008	10:18	3/21/2008	1	0.003	0.012	0.00	ND	
LL3-EB10-SS-002SN-0001-SO	3/21/2008	10:20	3/21/2008	1	0.024	0.092	-0.12	ND	
LL3-EB10-SS-002SN-0002-SO	3/21/2008	10:23	3/21/2008	1	0.010	0.025	-0.46	ND	
LL3-EB10-SS-003SN-0001-SO	3/21/2008	10:25	3/21/2008	1	0.028	0.072	-1.24	ND	
LL3-EB10-SS-003SN-0002-SO	3/21/2008	10:28	3/21/2008	1	0.003	0.010	-0.06	ND ND	
LL4-G4-SS-002SN-0001-SO LL4-G7-SS-003SN-0001-SO	3/21/2008 3/21/2008	14:40 14:35	3/21/2008 3/21/2008	1	0.010 0.003	0.015	-0.77 -0.03	ND	
LL4-G12-SS-003SN-0001-SO	3/21/2008	14:35	3/21/2008	1	0.003	0.005	-0.03	ND	Sample ID corrected
LL4-G12-SS-016SN-0001-SO	3/21/2008	14:58	3/21/2008	1	0.002	0.005	-0.09	ND	Outside footprint/red dust
LL4-G13VP1-SS-017SN-0001-SO	3/21/2008	15:40	3/21/2008	1	0.002	0.007	0.53	ND	
LL4-G8-SB-004SN-0001-SO	3/21/2008	15:15	3/21/2008	1	0.003	0.029	-1.21	ND	
LL4-G8-SB-004SN-0002-SO	3/21/2008	15:15	3/21/2008	1	0.014	0.017	-1.15	ND	
LL4-G8-SB-004SN-0003-SO	3/21/2008	15:15	3/21/2008	1	0.013	0.013	-0.96	ND	
LL4-G8-SB-004SN-0005-SO	3/21/2008	15:15	3/21/2008	1	0.011	0.015	-0.30	ND	
LL4-G8-SB-004SN-0003-SO	3/21/2008	15:30	3/21/2008	1	0.043	0.018	-2.76	ND	
LL4-G8-SB-005SN-0002-SO	3/21/2008	15:30	3/21/2008	1	0.273	0.541	-17.06	ND	
LL4-G8-SB-005SN-0003-SO	3/21/2008	15:30	3/21/2008	1	0.273	0.045	-0.71	ND	
LL4-G8-SB-005SN-0004-SO	3/21/2008	15:30	3/21/2008	1	0.022	0.040	-1.49	ND	
LL4-G8-SB-005SN-0005-SO	3/21/2008	15:30	3/21/2008	1	0.054	0.099	-3.62	ND	
LL4-G8-SB-006SN-0001-SO	3/21/2008	15:50	3/24/2008	1	0.004	0.003	-0.37	ND	
LL4-G8-SB-006SN-0002-SO	3/21/2008	15:50	3/24/2008	1	0.002	0.002	-0.19	ND	
LL4-G8-SB-006SN-0003-SO	3/21/2008	15:50	3/24/2008	1	0.003	0.003	-0.28	ND	
LL4-G8-SB-006SN-0004-SO	3/21/2008	15:50	3/24/2008	1	0.004	0.004	-0.37	ND	
LL4-G8-SB-006SN-0005-SO	3/21/2008	15:50	3/24/2008	1	0.001	0.002	-0.06	ND	
LL4-G8-SB-007SN-0001-SO	3/21/2008	18:15	3/24/2008	1	0.002	0.006	-0.06	ND	
LL4-G8-SB-007SN-0002-SO	3/21/2008	18:15	3/24/2008	1	0.001	0.004	0.00	ND	
LL4-G8-SB-007SN-0003-SO	3/21/2008	18:15	3/24/2008	1	0.003	0.004	-0.25	ND	
LL4-G8-SB-007SN-0004-SO	3/21/2008	18:15	3/24/2008	1	0.003	0.004	-0.25	ND	
LL4-G8-SB-007SN-0005-SO	3/21/2008	18:15	3/24/2008	1	0.002	0.004	-0.12	ND	
LL4-G8-SB-008SN-0001-SO	3/21/2008	16:30	3/24/2008	1	0.002	0.004	-0.12	ND	
LL4-G8-SB-008SN-0001-SO-DUP	3/21/2008	16:30	3/24/2008	1	0.000	0.002	0.06	ND	
LL4-G8-SB-008SN-0002-SO	3/21/2008	16:30	3/24/2008	1	0.001	0.002	-0.06	ND	
LL4-G8-SB-008SN-0003-SO	3/21/2008	16:30	3/24/2008	1	0.003	0.002	-0.31	ND	
LL4-G8-SB-008SN-0004-SO	3/21/2008	16:30	3/24/2008	1	0.001	0.002	-0.06	ND	
LL4-G8-SB-008SN-0005-SO	3/21/2008	16:30	3/24/2008	1	0.003	0.004	-0.25	ND	
LL4-G8-SB-009SN-0001-SO	3/21/2008	16:45	3/24/2008	1	0.002	0.007	-0.03	ND	
LL4-G8-SB-009SN-0002-SO	3/21/2008	16:45	3/24/2008	1	0.001	0.004	0.00	ND	
LL4-G8-SB-009SN-0003-SO	3/21/2008	16:45	3/24/2008	1	0.002	0.004	-0.12	ND	
LL4-G8-SB-009SN-0004-SO	3/21/2008	16:45	3/24/2008	1	0.002	0.004	-0.12	ND	
LL4-G8-SB-009SN-0005-SO	3/21/2008	16:45	3/24/2008	1	0.003	0.004	-0.25	ND	
LL4-G8-SB-010SN-0001-SO	3/21/2008	17:05	3/24/2008	1	0.006	0.007	-0.53	ND	
LL4-G8-SB-010SN-0002-SO	3/21/2008	17:05	3/24/2008	1	0.006	0.008	-0.50	ND	
LL4-G8-SB-010SN-0003-SO	3/21/2008	17:05	3/24/2008	1	0.007	0.013	-0.46	ND	
LL4-G8-SB-010SN-0004-SO	3/21/2008	17:05	3/24/2008	1	0.001	0.001	-0.09	ND	
LL4-G8-SB-010SN-0005-SO	3/21/2008	17:05	3/24/2008	1	0.000	0.000	0.00	ND	
LL4-G8-SB-011SN-0001-SO	3/21/2008	17:20	3/24/2008	1	0.006	0.014	-0.31	ND	
LL4-G8-SB-011SN-0002-SO	3/21/2008	17:20	3/24/2008	1	0.000	0.039	1.21	1.2	
LL4-G8-SB-011SN-0003-SO	3/21/2008	17:20	3/24/2008	1	0.005	0.017	-0.09	ND	
LL4-G8-SB-011SN-0004-SO	3/21/2008	17:20	3/24/2008	1	0.001	0.005	0.03	ND	
LL4-G8-SB-011SN-0005-SO	3/21/2008	17:20	3/24/2008	1	0.002	0.005	-0.09	ND	
LL4-G8-SB-012SN-0001-SO	3/21/2008	18:35	3/24/2008	1	0.002	0.004	-0.12	ND	
LL4-G8-SB-012SN-0001-SO-DUP	3/21/2008	18:35	3/24/2008	1	0.001	0.002	-0.06	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL4-G8-SB-012SN-0002-SO	3/21/2008	18:35	3/24/2008	1	0.008	0.023	-0.28	ND	
LL4-G8-SB-012SN-0003-SO	3/21/2008	18:35	3/24/2008	1	0.010	0.105	2.01	2.0	
LL4-G8-SB-012SN-0004-SO	3/21/2008	18:35	3/24/2008	1	0.000	0.002	0.06	ND	
LL4-G8-SB-012SN-0005-SO	3/21/2008	18:35	3/24/2008	1	0.002	0.003	-0.15	ND	
LL4-G8-SB-013SN-0001-SO	3/21/2008	17:25	3/24/2008	1	0.002	0.006	-0.06	ND	
LL4-G8-SB-013SN-0002-SO	3/21/2008	17:25	3/24/2008	1	0.005	0.010	-0.31	ND	
LL4-G8-SB-013SN-0003-SO	3/21/2008	17:25	3/24/2008	1	0.004	0.005	-0.34	ND	
LL4-G8-SB-013SN-0004-SO LL4-G8-SB-013SN-0005-SO	3/21/2008 3/21/2008	17:25 17:25	3/24/2008 3/24/2008	1	0.006	0.007	-0.53 -0.46	ND ND	
LL4-G8-SB-014SN-0001-SO	3/21/2008	18:25	3/24/2008	1	0.000	0.009	-0.46	ND	
LL4-G8-SB-014SN-0002-SO	3/21/2008	18:25	3/24/2008	1	0.000	0.002	0.03	ND	
LL4-G8-SB-014SN-0003-SO	3/21/2008	18:25	3/24/2008	1	0.000	0.002	-0.06	ND	
LL4-G8-SB-014SN-0004-SO	3/21/2008	18:25	3/24/2008	1	0.001	0.002	-0.06	ND	
LL4-G8-SB-014SN-0005-SO	3/21/2008	18:25	3/24/2008	1	0.000	0.002	0.06	ND	
LL4-G8-SB-015SN-0001-SO	3/21/2008	18:00	3/24/2008	1	0.000	0.016	0.50	ND	
LL4-G8-SB-015SN-0001-SO-DUP	3/21/2008	18:00	3/24/2008	1	0.001	0.004	0.00	ND	
LL4-G8-SB-015SN-0002-SO	3/21/2008	18:00	3/24/2008	1	0.009	0.017	-0.59	ND	
LL4-G8-SB-015SN-0003-SO	3/21/2008	18:00	3/24/2008	1	0.004	0.005	-0.34	ND	
LL4-G8-SB-015SN-0004-SO	3/21/2008	18:00	3/24/2008	1	0.006	0.012	-0.37	ND	
LL4-G8-SB-015SN-0005-SO	3/21/2008	18:00	3/24/2008	1	0.004	0.006	-0.31	ND	
LL4G9-SB-033SN-0001-SO	3/28/2008	1010	3/28/2008	1	0.002	0.012	0.12	ND	
LL4G9-SB-033SN-0002-SO	3/28/2008	1010	3/28/2008	1	0.001	0.045	1.27	1.3	Slightly Blue
LL4G9-SB-033SN-0003-SO LL4G9-SB-033SN-0004-SO	3/28/2008 3/28/2008	1010 1010	3/28/2008 3/28/2008	1	0.000	0.007 0.015	0.22	ND ND	Blue Tint
LL4G9-SB-033SN-0004-SO	3/28/2008	1010	3/28/2008	1	0.000	0.015	0.46	ND	Blue I liit
LL4G9-SB-033SN-0003-SO	3/28/2008	1000	3/28/2008	1	0.001	0.005	-0.19	ND	
LL4G9-SB-034SN-0002-SO	3/28/2008	1000	3/28/2008	1	0.002	0.002	-0.06	ND	
LL4G9-SB-034SN-0003-SO	3/28/2008	1000	3/28/2008	1	0.000	0.000	0.03	ND	
LL4G9-SB-034SN-0004-SO	3/28/2008	1000	3/28/2008	1	0.001	0.012	0.25	ND	
LL4G9-SB-034SN-0005-SO	3/28/2008	1000	3/28/2008	1	0.000	0.001	0.03	ND	
LL4G11-SS-023SN-0001-SO	3/28/2008	1058	3/28/2008	1	0.002	0.012	0.12	ND	
LL4G13A-SS-019SN-0001-SO	3/28/2008	1230	3/28/2008	1	0.001	0.005	0.03	ND	
LL4G13V2-SS-030SN-0001-SO	3/28/2008	1223	3/28/2008	1	0.001	0.001	-0.09	ND	
LL4G17-SS-026SN-0001-SO	3/28/2008	1150	3/28/2008	1	0.011	0.030	-0.43	ND	
LL4G13-SS-020SN-0001-SO	3/28/2008	1240	3/28/2008	1	0.001	0.004	0.00	ND	
LL4G15-SB-031SN-0001-SO	3/28/2008	1137	3/28/2008	1	0.001	0.002	-0.06	ND	Sample ID corrected
LL4G15-SB-031SN-0002-SO	3/28/2008	1137	3/28/2008	1	0.000	0.002	0.06	ND	Sample ID corrected
LL4G15-SB-031SN-0003-SO	3/28/2008	1137	3/28/2008	1	0.000	0.003	0.09	ND ND	Sample ID corrected Sample ID corrected
LL4G15-SB-031SN-0004-SO LL4G15-SB-031SN-0005-SO	3/28/2008 3/28/2008	1137 1137	3/28/2008 3/28/2008	1	0.002	0.004 0.003	-0.12 -0.15	ND	Sample ID corrected
LL4G15-SB-032SN-0001-SO	3/28/2008	1147	3/28/2008	1	0.002	0.003	-0.40	ND	Sample ID corrected
LL4G15-SB-032SN-0002-SO	3/28/2008	1147	3/28/2008	1	0.003	0.009	-0.09	ND	Sample ID corrected
LL4G15-SB-032SN-0003-SO	3/28/2008	1147	3/28/2008	-	0.000	0.001	-0.09	ND	Sample ID corrected
LL4G15-SB-032SN-0004-SO	3/28/2008	1147	3/28/2008	1	0.001	0.003	-0.03	ND	Sample ID corrected
LL4G15-SB-032SN-0005-SO	3/28/2008	1147	3/28/2008	1	0.002	0.004	-0.12	ND	Sample ID corrected
LL4G15-SB-032SN-0005-SO-DUP	3/28/2008	1147	3/28/2008	1	0.002	0.003	-0.15	ND	Sample ID corrected
EB4A	3/28/2008	1848	3/28/2008	1	0.018	1.210			Reanalyzed 4/3.K135
LL4G13VP1-SS-018SN-0001-SO	3/28/2008	1420	3/31/2008	1	0.010	0.028	-0.37	ND	
LL4G12A-SS-022SN-0001-SO	3/28/2008	1440	3/31/2008	1	0.002	0.004	-0.12	ND	
LL4G12VP1-SS-025SN-0001-SO	3/28/2008	1455	3/31/2008	1	0.002	0.010	0.06	ND	
LL4G8VP1-SS-024SN-0001-SO	3/28/2008	1515	3/31/2008	1	0.002	0.009	0.03	ND	
LL4G16-SS-021SN-0001-SO LL4G2-SS-029SN-0001-SO	3/28/2008	1540	3/31/2008	1	0.002	0.006	-0.06	ND	
LL4G2-SS-029SN-0001-SO LL4G6A-SS-028SN-0001-SO	3/28/2008 3/28/2008	1600 1620	3/31/2008 3/31/2008	1	0.006	0.008	-0.50 -0.37	ND ND	
LL4G6A-SS-028SN-0001-SO	3/28/2008	1620	3/31/2008	1	0.006	0.012	-0.37	ND	
LL3EA6A-SB-081SN-0001-SO	3/28/2008	1830	3/31/2008	1	0.005	0.010	2.35	2.4	
LL3EA6A-SB-081SN-0002-SO	3/28/2008	1830	3/31/2008	1	0.004	0.006	-0.31	ND	
LL3EA6A-SB-081SN-0003-SO	3/28/2008	1830	3/31/2008	1	0.006	0.006	-0.56	ND	
LL3EA6A-SB-081SN-0004-SO	3/28/2008	1830	3/31/2008	1	0.006	0.013	-0.34	ND	
LL3EA6A-SB-081SN-0005-SO	3/28/2008	1830	3/31/2008	1	0.002	0.009	0.03	ND	
LL3EA6A-SB-081SN-0005-SO-DUP	3/28/2008	1830	3/31/2008	1	0.003	0.008	-0.12	ND	
LL3EA6A-SB-082SN-0001-SO	3/28/2008	1900	3/31/2008	1	0.114	3.413			Needs re-ext/dilution
LL3EA6A-SB-082SN-0001-SO RE	3/28/2008	1900	4/3/2008		0.001	0.471	722.9	723	
LL3EA6A-SB-082SN-0002-SO	3/28/2008	1900	3/31/2008	1	0.002	0.022	0.43	ND	
LL3EA6A-SB-082SN-0003-SO	3/28/2008	1900	3/31/2008	1	0.006	0.963	29.07	29.1	1

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL3EA6A-SB-082SN-0004-SO	3/28/2008	1900	3/31/2008	1	0.111	3.352			Needs re-ext/dilution
LL3EA6A-SB-082SN-0004-SO RE	3/28/2008	1900	4/3/2008	150	0.002	0.874	4021.7	4022	
LL3EA6A-SB-082SN-0005-SO	3/28/2008	1900	3/31/2008	1	0.005	3.304			Needs re-ext/dilution
LL3EA6A-SB-082SN-0005-SO RE	3/28/2008	1900	4/3/2008		0.001	0.811	3747.7	3748	
LL3EA6A-SB-083SN-0001-SO	3/28/2008	1910	3/31/2008	1	0.013	0.132	2.48	2.5	
LL3EA6A-SB-083SN-0002-SO	3/28/2008	1910	3/31/2008	1	0.002	0.029	0.65	ND	
LL3EA6A-SB-083SN-0003-SO	3/28/2008	1910	3/31/2008	1	0.008	0.832	24.77	24.8	
LL3EA6A-SB-083SN-0004-SO LL3EA6A-SB-083SN-0004-SO RE	3/28/2008 3/28/2008	1910 1910	3/31/2008 4/3/2008	1	0.010	1.782 0.085	25.08	25.1	Needs re-ext/dilution
LL3EA6A-SB-083SN-0004-SO RE	3/28/2008	1910	3/31/2008	10	0.001	0.065	23.22	23.2	
LL3EA6A-SB-084SN-0001-SO	3/28/2008	1925	3/31/2008	1	0.002	0.182	5.39	5.4	
LL3EA6A-SB-084SN-0002-SO	3/28/2008	1925	3/31/2008	1	0.001	0.012	-0.99	ND	
LL3EA6A-SB-084SN-0003-SO	3/28/2008	1925	3/31/2008	1	0.034	0.052	-2.60	ND	
LL3EA6A-SB-084SN-0004-SO	3/28/2008	1925	3/31/2008	1	0.042	0.134	-1.05	ND	
LL3EA6A-SB-084SN-0005-SO	3/28/2008	1925	3/31/2008	1	0.075	0.158	-4.40	ND	
LL3EA6A-SB-085SN-0001-SO	3/28/2008	1940	3/31/2008	1	0.011	0.014	-0.93	ND	
LL3EA6A-SB-085SN-0002-SO	3/28/2008	1940	3/31/2008	1	0.006	0.009	-0.46	ND	
LL3EA6A-SB-085SN-0003-SO	3/28/2008	1940	3/31/2008	1	0.000	0.006	0.19	ND	
LL3EA6A-SB-085SN-0004-SO	3/28/2008	1940	3/31/2008	1	0.000	0.001	0.03	ND	
LL3EA6A-SB-085SN-0005-SO	3/28/2008	1940	3/31/2008	1	0.003	0.004	-0.25	ND	
LL3EA6A-SB-085SN-0005-SO-DUP	3/28/2008	1940	3/31/2008	1	0.034	0.130	-0.19	ND	
LL3EA28A-SS-054SN-0001-SO	3/28/2008	1950	3/31/2008	1	0.013	3.225	005 7	000	Needs re-ext/dilution
LL3EA28A-SS-054SN-0001-SO RE LL351A-SS-055SN-0001-SO	3/28/2008 3/28/2008	1950 1925	4/3/2008 3/31/2008	50	0.003 0.019	0.203	295.7 1.15	296 1.1	
LL3EB8-SS-004SN-0001-SO	3/28/2008	1925	3/31/2008	1	0.019	0.064	-2.48	ND	
LL3EB3-SS-0043N-0001-SO	3/28/2008	1845	3/31/2008	1	0.030	0.004	-2.40	ND	
LL4G18-SS-027SN-0001-SO	3/28/2008	1140	3/31/2008	1	0.010	0.020	-2.14	ND	
LL3EB2-SS-002SN-0001-SO	3/28/2008	1855	3/31/2008	1	0.023	0.020	-2.01	ND	
LL3EB19-SS-001SN-0001-SO	3/28/2008	1905	3/31/2008	1	0.022	0.023	-2.01	ND	
LL351-SS-005SN-0001-SO	3/28/2008	1920	3/31/2008	1	0.116	0.167	-9.20	ND	
EB4A Conf. Sample	3/28/2008	1848	3/31/2008	1	0.025	1.754			Needs re-ext/dilution
EB4A RE	3/28/2008	1848	4/3/2008	10	0.003	0.074	19.20	19.2	
LL4G6-SS-035SN-0001-SO	4/2/2008	853	4/3/2008	1	0.002	0.005	-0.09	ND	
LL4G19-SS-037SN-0001-SO	4/2/2008	915	4/3/2008	1	0.001	0.010	0.19	ND	
LL4G19A-SS-038SN-0001-SO	4/2/2008	925	4/3/2008	1	0.003	0.016	0.12	ND	
LL4G10-SS-039SN-0001-SO	4/2/2008	1000	4/3/2008	1	0.013	0.040	-0.37	ND	
LL3EB20-SS-079SN-0001-SO LL3EB25-SS-077SN-0001-SO	4/2/2008 4/2/2008	1024 1050	4/3/2008 4/3/2008	1	0.005	0.009	-0.34	ND	Needs dilution
LL3EB25-SS-077SN-0001-SO DL	4/2/2008	1050	4/3/2008	10	0.018	0.535	143.34	143.3	Needs dilution
LL3EB9A-SS-076SN-0001-SO	4/2/2008	1100	4/3/2008	1	0.018	0.020	-0.74	ND	
LL3EB9A-SS-076SN-0001-SO DUP	4/2/2008	1100	4/3/2008	1	0.009	0.020	-0.59	ND	
LL3EB4A-SB-061SN-0001-SO	4/3/2008	1330	4/3/2008	1	0.001	0.003	-0.03	ND	
LL3EB4A-SB-061SN-0002-SO	4/3/2008	1330	4/3/2008		0.001	0.001	-0.09	ND	
LL3EB4A-SB-061SN-0003-SO	4/3/2008	1330	4/3/2008	1	0.001	0.001	-0.09	ND	
LL3EB4A-SB-061SN-0004-SO	4/3/2008	1330	4/3/2008	1	0.000	0.020	0.62	ND	
LL3EB4A-SB-061SN-0005-SO	4/3/2008	1330	4/3/2008	1	0.002	0.002	-0.19	ND	
LL3EB9A-SS-032SN-0001-SO	4/3/2008	1020	4/3/2008	1	0.004	0.011	-0.15	ND	
LL3EB4A-SB-062SN-0001-SO	4/3/2008	1310	4/3/2008	1	0.002	0.004	-0.12	ND	
LL3EB4A-SB-062SN-0002-SO	4/3/2008	1310	4/3/2008	1	0.001	0.003	-0.03	ND	
LL3EB4A-SB-062SN-0003-SO	4/3/2008	1310	4/3/2008	1	0.002	0.003	-0.15	ND	
LL3EB4A-SB-062SN-0004-SO LL3EB4A-SB-062SN-0005-SO	4/3/2008 4/3/2008	1310	4/3/2008 4/3/2008	1	0.002	0.003	-0.15 0.03	ND ND	
LL3EB4A-SB-062SN-0005-SO	4/3/2008	1310 1215	4/3/2008	1	0.000	0.001	0.03	ND	
LL3EB4A-SB-063SN-0007-SO	4/3/2008	1215	4/3/2008	1	0.023	0.094	0.06	ND	
LL3EB4A-SB-063SN-0003-SO	4/3/2008	1215	4/3/2008	1	0.000	0.002	-0.06	ND	
LL3EB4A-SB-063SN-0004-SO	4/3/2008	1215	4/3/2008	1	0.000	0.002	0.06	ND	
LL3EB4A-SB-063SN-0005-SO	4/3/2008	1215	4/3/2008	1	0.000	0.001	0.03	ND	
LL3EB4A-SB-064SN-0001-SO	4/3/2008	1230	4/3/2008	1	0.001	0.085	2.51	2.5	
LL3EB4A-SB-064SN-0002-SO	4/3/2008	1230	4/3/2008	1	0.000	0.003	0.09	ND	
LL3EB4A-SB-064SN-0003-SO	4/3/2008	1230	4/3/2008	1	0.002	0.005	-0.09	ND	
LL3EB4A-SB-064SN-0004-SO	4/3/2008	1230	4/3/2008	1	0.002	0.004	-0.12	ND	
LL3EB4A-SB-064SN-0005-SO	4/3/2008	1230	4/3/2008	1	0.000	0.003	0.09	ND	
LL3EB4A-SB-073SN-0001-SO	4/3/2008	1300	4/3/2008	1	0.007	0.039	0.34	ND	
LL3EB4A-SB-073SN-0002-SO	4/3/2008	1300	4/3/2008	1	0.002	0.016	0.25	ND	
LL3EB4A-SB-073SN-0003-SO	4/3/2008	1300	4/3/2008	1	0.001	0.003	-0.03	ND	1

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL3EB4A-SB-073SN-0004-SO	4/3/2008	1300	4/3/2008	1	0.001	0.002	-0.06	ND	
LL3EB4A-SB-073SN-0004-SO DUP	4/3/2008	1300	4/3/2008	1	0.002	0.003	-0.15	ND	
LL3EB4A-SB-073SN-0005-SO	4/3/2008	1300	4/4/2008	1	0.003	0.004	-0.25	ND	
LL3EB4VP1-SS-033SN-0001-SO	4/3/2008	1030	4/4/2008	1	0.003	0.003	-0.28	ND	
LL3EB10VP1-SS-028SN-0001-SO LL3EB10VP2-SS-029SN-0001-SO	4/3/2008 4/3/2008	930	4/4/2008	1	0.017 0.038	0.033	-1.08	ND ND	
LL3EB10VP2-SS-029SN-0001-SO	4/3/2008	940 1540	4/4/2008 4/4/2008	1	0.038	0.145	-0.22	ND	Needs dilution
LL3EB4A-SB-058SN-0001-SO DL	4/3/2008	1540	4/4/2008	10	0.003	0.146	41.49	41.5	
LL3EB4A-SB-058SN-0002-SO	4/3/2008	1540	4/4/2008	1	0.000	0.506	13.44	13.4	
LL3EB4A-SB-058SN-0003-SO	4/3/2008	1540	4/4/2008	1	0.037	3.268			Needs dilution
LL3EB4A-SB-058SN-0003-SO DL	4/3/2008	1540	4/4/2008	100	0.000	0.088	272.45	272	
LL3EB4A-SB-058SN-0004-SO	4/3/2008	1540	4/4/2008	1	0.039	3.308			Needs dilution
LL3EB4A-SB-058SN-0004-SO DL	4/3/2008	1540	4/4/2008	100	0.003	0.131	368.42	368	
LL3EB4A-SB-058SN-0005-SO	4/3/2008	1540	4/4/2008	1	0.018	3.305			Needs dilution
LL3EB4A-SB-058SN-0005-SO DL	4/3/2008	1540	4/4/2008		0.000	0.230	712.07	712	
LL3EB4A-SB-058SN-0005-SO DUP	4/3/2008	1540	4/4/2008	1	0.002	1.510	42.00	40.0	Needs dilution
LL3EB4A-SB-058SN-0005-SO DUP DL LL3EB4A-SB-059SN-0001-SO	4/3/2008 4/3/2008	1540 1630	4/4/2008 4/4/2008	2	0.003 0.037	0.721	43.90	43.9	Needs dilution
LL3EB4A-SB-059SN-0001-SO LL3EB4A-SB-059SN-0001-SO DL	4/3/2008	1630	4/4/2008	10	0.037	0.184	52.01	52.0	
LL3EB4A-SB-059SN-0001-SO DL	4/3/2008	1630	4/4/2008	10	0.004	0.761	16.50	16.5	
LL3EB4A-SB-059SN-0002-SO	4/3/2008	1630	4/4/2008	1	0.009	0.020	-0.50	ND	
LL3EB4A-SB-059SN-0004-SO	4/3/2008	1630	4/4/2008	1	0.000	0.004	0.12	ND	
LL3EB4A-SB-059SN-0005-SO	4/3/2008	1630	4/4/2008	1	0.001	0.003	-0.03	ND	
LL3EB4A-SB-060SN-0001-SO	4/3/2008	1545	4/4/2008	1	0.000	0.002	0.06	ND	
LL3EB4A-SB-060SN-0002-SO	4/3/2008	1545	4/4/2008	1	0.001	0.003	-0.03	ND	
LL3EB4A-SB-060SN-0003-SO	4/3/2008	1545	4/4/2008	1	0.001	0.003	-0.03	ND	
LL3EB4A-SB-060SN-0004-SO	4/3/2008	1545	4/4/2008	1	0.001	0.002	-0.06	ND	
LL3EB4A-SB-060SN-0005-SO	4/3/2008	1545	4/4/2008	1	0.001	0.003	-0.03	ND	
LL3EB4A-SB-065SN-0001-SO	4/3/2008	1715	4/4/2008	1	0.003	0.007	-0.15	ND	
LL3EB4A-SB-065SN-0002-SO	4/3/2008	1715 1715	4/4/2008 4/4/2008	1	0.003	0.007	-0.15 -0.25	ND ND	
LL3EB4A-SB-065SN-0003-SO LL3EB4A-SB-065SN-0004-SO	4/3/2008 4/3/2008	1715	4/4/2008	1	0.004	0.008	-0.25	ND	
LL3EB4A-SB-065SN-0005-SO	4/3/2008	1715	4/4/2008	1	0.000	0.003	0.99	1.0	
LL3EB4A-SB-066SN-0001-SO	4/3/2008	1740	4/4/2008	1	0.032	0.630	15.54	15.5	
LL3EB4A-SB-066SN-0002-SO	4/3/2008	1740	4/4/2008	1	0.031	0.033	-2.82	ND	
LL3EB4A-SB-066SN-0003-SO	4/3/2008	1740	4/4/2008	1	0.032	0.035	-2.88	ND	
LL3EB4A-SB-066SN-0004-SO	4/3/2008	1740	4/4/2008	1	0.033	0.035	-3.00	ND	
LL3EB4A-SB-066SN-0005-SO	4/3/2008	1740	4/4/2008	1	0.033	0.035	-3.00	ND	
LL3EB4A-SB-066SN-0005-SO DUP	4/3/2008	1740	4/4/2008	1	0.051	0.054	-4.64	ND	
LL3EB4A-SB-067SN-0001-SO	4/3/2008	1700	4/4/2008	1	0.068	3.197			Needs dilution
LL3EB4A-SB-067SN-0001-SO DL	4/3/2008	1700	4/4/2008	50	0.005	0.169	230.65	231	
LL3EB4A-SB-067SN-0002-SO	4/3/2008	1700	4/4/2008	1	0.053	0.059	-4.74	ND	
LL3EB4A-SB-067SN-0003-SO LL3EB4A-SB-067SN-0004-SO	4/3/2008 4/3/2008	1700 1700	4/4/2008 4/4/2008	1	0.054 0.014	0.057 0.016	-4.92 -1.24	ND ND	
LL3EB4A-SB-067SN-0004-SO	4/3/2008	1700	4/4/2008	1	0.014	0.016	-1.24	ND	
LL3EB4A-SB-068SN-0001-SO	4/3/2008	1645	4/4/2008	1	0.015	0.065	0.15	ND	
LL3EB4A-SB-068SN-0002-SO	4/3/2008	1645	4/4/2008	1	0.015	0.024	-1.11	ND	
LL3EB4A-SB-068SN-0003-SO	4/3/2008	1645	4/4/2008	1	0.014	0.022	-1.05	ND	
LL3EB4A-SB-068SN-0004-SO	4/3/2008	1645	4/4/2008	1	0.018	0.038	-1.05	ND	
LL3EB4A-SB-068SN-0005-SO	4/3/2008	1645	4/4/2008	1	0.015	0.028	-0.99	ND	
LL3EB4A-SB-069SN-0001-SO	4/3/2008	1755	4/4/2008	1	0.018	0.178	3.28	3.3	
LL3EB4A-SB-069SN-0002-SO	4/3/2008	1755	4/4/2008	1	0.014	0.050	-0.19	ND	
LL3EB4A-SB-069SN-0003-SO LL3EB4A-SB-069SN-0004-SO	4/3/2008 4/3/2008	1755 1755	4/4/2008 4/4/2008	1	0.020	0.117 0.106	1.15 0.68	1.1 ND	
LL3EB4A-SB-069SN-0004-SO	4/3/2008	1755	4/4/2008	1	0.021	0.106	0.68	0.7	
LL3EB4-SB-040SN-0001-SO	4/4/2008	1145	4/7/2008	1	0.000	0.088	1.21	1.2	
LL3EB4-SB-040SN-0002-SO	4/4/2008	1145	4/7/2008	1	0.000	0.003	0.12	ND	
LL3EB4-SB-040SN-0003-SO	4/4/2008	1145	4/7/2008	1	0.003	0.015	0.09	ND	
LL3EB4-SB-040SN-0004-SO	4/4/2008	1145	4/7/2008	1	0.000	0.002	0.06	ND	
LL3EB4-SB-040SN-0005-SO	4/4/2008	1145	4/7/2008	1	0.001	0.019	0.46	ND	blue tint
LL3EB4-SB-038SN-0001-SO	4/4/2008	1000	4/7/2008	1	0.000	0.043	1.33	1.3	
LL3EB4-SB-038SN-0002-SO	4/4/2008	1000	4/7/2008	1	0.001	0.315	9.63	9.6	
LL3EB4-SB-038SN-0003-SO	4/4/2008	1000	4/7/2008	1	0.000	0.001	0.03	ND	
LL3EB4-SB-038SN-0004-SO	4/4/2008	1000	4/7/2008	1	0.002	0.006	-0.06	ND	
LL3EB4-SB-038SN-0005-SO	4/4/2008	1000	4/7/2008	1	0.000	0.002	0.06	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL3EB4-SB-037SN-0001-SO	4/4/2008	945	4/7/2008	1	0.016	0.138	2.29	2.3	
LL3EB4-SB-037SN-0002-SO	4/4/2008	945	4/7/2008	1	0.011	0.576	16.47	16.5	
LL3EB4-SB-037SN-0003-SO	4/4/2008	945	4/7/2008	1	0.013	0.246	6.01	6.0	
LL3EB4-SB-037SN-0004-SO	4/4/2008	945	4/7/2008	1	0.005	0.285	8.20	8.2	
LL3EB4-SB-037SN-0005-SO	4/4/2008	945	4/7/2008	1	0.001	0.246	7.49	7.5	
LL3EB4-SB-039SN-0001-SO	4/4/2008	1130	4/7/2008	1	0.001	0.022	0.56	ND	
LL3EB4-SB-039SN-0001-SO DUP LL3EB4-SB-039SN-0002-SO	4/4/2008	1130 1130	4/7/2008 4/7/2008	1	0.002	0.016	0.25	ND ND	
LL3EB4-SB-039SN-0002-SO	4/4/2008	1130	4/7/2008	1	0.002	0.009	0.03	ND	
LL3EB4-SB-039SN-0003-SO	4/4/2008	1130	4/7/2008	1	0.003	0.025	0.12	ND	
LL3EB4-SB-039SN-0005-SO	4/4/2008	1130	4/7/2008	1	0.002	0.019	0.34	ND	
LL3EB4-SB-041SN-0001-SO	4/4/2008	1200	4/7/2008	1	0.012	0.053	0.15	ND	
LL3EB4-SB-041SN-0002-SO	4/4/2008	1200	4/7/2008	1	0.008	0.078	1.42	1.4	
LL3EB4-SB-041SN-0003-SO	4/4/2008	1200	4/7/2008	1	0.013	3.280			Needs dilution
LL3EB4-SB-041SN-0003-SO DL	4/4/2008	1200	4/7/2008	10	0.001	0.551	169.35	169	
LL3EB4-SB-041SN-0004-SO	4/4/2008	1200	4/7/2008	1	0.010	0.090	1.55	1.5	
LL3EB4-SB-041SN-0005-SO	4/4/2008	1200	4/7/2008	1	0.009	0.075	1.21	1.2	
LL3EB4-SB-042SN-0001-SO	4/4/2008	1535	4/7/2008	1	0.082	3.428	L		Needs dilution
LL3EB4-SB-042SN-0001-SO DL	4/4/2008	1535	4/7/2008	100		0.577	1761.61	1762	Reextract TNT to confirm
LL3EB4-SB-042SN-0001-SO RE	4/4/2008	1535	4/7/2008	500		0.243	3699.69	3700	Reextraction
LL3EB4-SB-042SN-0002-SO	4/4/2008	1535	4/7/2008	1	0.004	1.461	50 70	50.0	Needs dilution
LL3EB4-SB-042SN-0002-SO DL	4/4/2008	1535	4/7/2008	5	0.002	0.349	52.79	52.8	N a side althout and
LL3EB4-SB-042SN-0003-SO LL3EB4-SB-042SN-0003-SO DL	4/4/2008	1535 1535	4/7/2008 4/7/2008	1 100	0.009	3.490 0.234	712.07	712	Needs dilution
LL3EB4-SB-042SN-0003-SO DL	4/4/2008	1535	4/7/2008	100	0.001	3.343	/12.0/	/12	Needs dilution
LL3EB4-SB-042SN-0004-SO DL	4/4/2008	1535	4/7/2008	100		0.369	1130.03	1130	
LL3EB4-SB-042SN-0005-SO	4/4/2008	1535	4/7/2008	100	0.004	2.989	1100.00	1150	Needs dilution
LL3EB4-SB-042SN-0005-SO DL	4/4/2008	1535	4/7/2008	25	0.001	0.152	114.55	115	
LL3EB4-SB-043SN-0001-SO	4/4/2008	1435	4/7/2008	2.5	0.001	0.018	1.08	1.1	
LL3EB4-SB-043SN-0002-SO	4/4/2008	1435	4/7/2008	1	0.001	0.004	0.00	ND	
LL3EB4-SB-043SN-0003-SO	4/4/2008	1435	4/7/2008	1	0.001	0.003	-0.03	ND	
LL3EB4-SB-043SN-0004-SO	4/4/2008	1435	4/7/2008	1	0.001	0.003	-0.03	ND	
LL3EB4-SB-043SN-0004-SO DUP	4/4/2008	1435	4/7/2008	1	0.001	0.006	0.06	ND	
LL3EB4-SB-043SN-0005-SO	4/4/2008	1435	4/7/2008	1	0.002	0.024	0.50	ND	
LL3EB4-SB-044SN-0001-SO	4/4/2008	1400	4/7/2008	1	0.009	0.230	6.01	6.0	
LL3EB4-SB-044SN-0002-SO	4/4/2008	1400	4/7/2008	1	0.008	0.241	6.47	6.5	
LL3EB4-SB-044SN-0003-SO LL3EB4-SB-044SN-0004-SO	4/4/2008	1400	4/7/2008	1	0.004	0.106	2.79	2.8	
LL3EB4-SB-044SN-0004-SO	4/4/2008	1400 1400	4/7/2008 4/7/2008	1	0.008	0.087	1.70 0.40	1.7 ND	
LL3EB4-SB-0445N-0003-SO	4/4/2008	1030	4/7/2008	1	0.005	0.033	-3.31	ND	
LL3EB4-SB-045SN-0002-SO	4/4/2008	1030	4/7/2008	1	0.003	0.043	0.46	ND	
LL3EB4-SB-045SN-0003-SO	4/4/2008	1030	4/7/2008	1	0.003	0.018	0.19	ND	
LL3EB4-SB-045SN-0004-SO	4/4/2008	1030	4/7/2008	-	0.001	0.002	-0.06	ND	
LL3EB4-SB-045SN-0005-SO	4/4/2008	1030	4/7/2008	1	0.001	0.002	-0.06	ND	
LL3EB4-SB-046SN-0001-SO	4/4/2008	1015	4/7/2008	1	0.001	0.042	1.18	1.2	
LL3EB4-SB-046SN-0002-SO	4/4/2008	1015	4/7/2008	1	0.001	0.005	0.03	ND	
LL3EB4-SB-046SN-0003-SO	4/4/2008	1015	4/7/2008	1	0.000	0.001	0.03	ND	
LL3EB4-SB-046SN-0004-SO	4/4/2008	1015	4/7/2008	1	0.000	0.002	0.06	ND	
LL3EB4-SB-046SN-0005-SO	4/4/2008	1015	4/7/2008	1	0.000	0.001	0.03	ND	
LL3EB4-SB-050SN-0001-SO	4/4/2008	1415	4/7/2008	1	0.005	0.090	2.17	2.2	
LL3EB4-SB-050SN-0002-SO	4/4/2008	1415	4/7/2008	1	0.006	0.010	-0.43	ND 2.1	
LL3EB4-SB-050SN-0003-SO	4/4/2008	1415	4/7/2008	1	0.012	0.149	3.13	3.1	
LL3EB4-SB-050SN-0003-SO DUP LL3EB4-SB-050SN-0004-SO	4/4/2008 4/4/2008	1415 1415	4/7/2008 4/7/2008	1	0.012	0.136 0.005	2.72 -0.46	2.7 ND	
LL3EB4-SB-050SN-0004-SO	4/4/2008	1415	4/7/2008	1	0.005	0.005	2.91	2.9	
LL3EB4-SB-050SN-0005-SO	4/4/2008	1415	4/7/2008	1	0.026	0.198	-0.56	2.9 ND	
LL3EB4-SB-052SN-0007-SO	4/4/2008	1515	4/7/2008	1	0.000	0.163	0.09	ND	
LL3EB4-SB-052SN-0003-SO	4/4/2008	1515	4/7/2008	1	0.020	0.249	5.23	5.2	
LL3EB4-SB-052SN-0004-SO	4/4/2008	1515	4/7/2008	1	0.030	0.145	0.77	0.8	
LL3EB4-SB-052SN-0005-SO	4/4/2008	1515	4/7/2008	1	0.032	0.126	-0.06	ND	
LL3EA6A-SB-082SN-0001-SO S2	4/4/2008	1900	4/9/2008	100	0.004	0.574	1727.55		Orig samp: 723
LL3EA6A-SB-082SN-0002-SO S2	4/4/2008	1900	4/9/2008	1	0.006	0.496	14.61	14.6	ND
LL3EA6A-SB-082SN-0003-SO S2	4/4/2008	1900	4/9/2008	1	0.002	0.036	0.87	0.9	29.1
LL3EA6A-SB-082SN-0004-SO S2	4/4/2008	1900	4/9/2008		0.003	0.678	206.19	206	4022
LL3EA6A-SB-082SN-0005-SO S2	4/4/2008	1900	4/9/2008	1 500	0.003	0.265	3916.41	3916	3748

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL3EB10-SB-014SN-0001-SO	4/7/2008	1530	4/9/2008	1	0.001	0.002	-0.06	ND	
LL3EB10-SB-014SN-0001-SO-DUP	4/7/2008	1530	4/9/2008	1	0.003	0.003	-0.28	ND	
LL3EB10-SB-014SN-0002-SO	4/7/2008	1530	4/9/2008	1	0.000	0.002	0.06	ND	
LL3EB10-SB-014SN-0003-SO	4/7/2008	1530	4/9/2008	1	0.002	0.004	-0.12	ND	
LL3EB10-SB-014SN-0004-SO LL3EB10-SB-014SN-0005-SO	4/7/2008 4/7/2008	1530 1530	4/9/2008 4/9/2008	1	0.001	0.002	-0.06 -0.06	ND ND	
LL3EB10-SB-016SN-0001-SO	4/7/2008	1030	4/9/2008	1	0.001	0.002	-2.11	ND	
LL3EB10-SB-016SN-0002-SO	4/7/2008	1030	4/9/2008	1	0.000	0.000	0.00	ND	
LL3EB10-SB-016SN-0003-SO	4/7/2008	1030	4/9/2008	1	0.000	0.001	0.03	ND	
LL3EB10-SB-016SN-0004-SO	4/7/2008	1030	4/9/2008	1	0.001	0.002	-0.06	ND	
LL3EB10-SB-016SN-0005-SO	4/7/2008	1030	4/9/2008	1	0.000	0.002	0.06	ND	
LL3EB10-SB-018SN-0001-SO	4/7/2008	955	4/9/2008	1	0.002	0.010	0.06	ND	
LL3EB10-SB-018SN-0002-SO	4/7/2008	955	4/9/2008	1	0.002	0.007	-0.03	ND	
LL3EB10-SB-018SN-0003-SO LL3EB10-SB-018SN-0004-SO	4/7/2008 4/7/2008	955 955	4/9/2008 4/9/2008	1	0.001 0.003	0.010 0.013	0.19 0.03	ND ND	
LL3EB10-SB-018SN-0004-SO	4/7/2008	955	4/9/2008	1	0.005	0.013	-0.19	ND	
LL3EB10-SB-025SN-0001-SO	4/7/2008	1010	4/9/2008	1	0.003	0.044	-1.36	ND	
LL3EB10-SB-025SN-0002-SO	4/7/2008	1010	4/9/2008	1	0.004	0.009	-0.22	ND	
LL3EB10-SB-025SN-0003-SO	4/7/2008	1010	4/9/2008	1	0.000	0.000	0.00	ND	
LL3EB10-SB-025SN-0004-SO	4/7/2008	1010	4/9/2008	1	0.001	0.003	-0.03	ND	
LL3EB10-SB-025SN-0005-SO	4/7/2008	1010	4/9/2008	1	0.003	0.007	-0.15	ND	
LL3EB10-SB-026SN-0001-SO	4/7/2008	920	4/9/2008	1	0.001	0.001	-0.09	ND	
LL3EB10-SB-026SN-0002-SO	4/7/2008	920	4/9/2008	1	0.008	0.010	-0.68	ND	
LL3EB10-SB-026SN-0003-SO LL3EB10-SB-026SN-0004-SO	4/7/2008 4/7/2008	920 920	4/9/2008 4/9/2008	1	0.001 0.000	0.001	-0.09 0.03	ND ND	
LL3EB10-SB-026SN-0004-SO	4/7/2008	920	4/9/2008	1	0.000	0.001	-0.74	ND	
LL3EB10-SB-019SN-0001-SO	4/7/2008	1340	4/9/2008	1	0.000	0.000	-0.15	ND	
LL3EB10-SB-019SN-0002-SO	4/7/2008	1340	4/9/2008	1	0.008	0.021	-0.34	ND	
LL3EB10-SB-019SN-0003-SO	4/7/2008	1340	4/9/2008	1	0.001	0.002	-0.06	ND	
LL3EB10-SB-019SN-0004-SO	4/7/2008	1340	4/9/2008	1	0.001	0.002	-0.06	ND	
LL3EB10-SB-019SN-0004-SO-DUP	4/7/2008	1340	4/9/2008	1	0.001	0.002	-0.06	ND	
LL3EB10-SB-019SN-0005-SO	4/7/2008	1340	4/9/2008	1	0.001	0.003	-0.03	ND	
LL3EB10-SB-024SN-0001-SO	4/7/2008	1400	4/9/2008	1	0.012	0.018	-0.93	ND	
LL3EB10-SB-024SN-0002-SO LL3EB10-SB-024SN-0003-SO	4/7/2008 4/7/2008	1400 1400	4/9/2008 4/9/2008	1	0.016 0.001	0.018	-1.42 0.00	ND ND	
LL3EB10-SB-024SN-0003-SO	4/7/2008	1400	4/9/2008	1	0.001	0.004	0.00	ND	
LL3EB10-SB-024SN-0005-SO	4/7/2008	1400	4/9/2008	1	0.000	0.005	-0.09	ND	
LL3EB10-SB-023SN-0001-SO	4/7/2008	1505	4/9/2008	2	0.011	0.036	-0.50	ND	
LL3EB10-SB-023SN-0002-SO	4/7/2008	1505	4/9/2008	1	0.323	0.315	-30.25	ND	
LL3EB10-SB-023SN-0003-SO	4/7/2008	1505	4/9/2008	1	0.002	0.004	-0.12	ND	
LL3EB10-SB-023SN-0004-SO	4/7/2008	1505	4/9/2008	1	0.003	0.005	-0.22	ND	
LL3EB10-SB-023SN-0005-SO	4/7/2008	1505	4/9/2008	1	0.002	0.003	-0.15	ND	
LL3EB10-SB-017SN-0001-SO	4/7/2008	1115	4/9/2008	1	0.000	0.001	0.03	ND	
LL3EB10-SB-017SN-0002-SO LL3EB10-SB-017SN-0003-SO	4/7/2008 4/7/2008	1115 1115	4/9/2008 4/9/2008	1	0.002	0.002	-0.19 -0.25	ND ND	
LL3EB10-SB-021SN-0003-SO	4/7/2008	1600	4/9/2008	1	0.003	0.004	-0.25	ND	
LL3EB10-SB-021SN-0002-SO	4/7/2008	1600	4/9/2008	1	0.021	0.059	-0.77	ND	
LL3EB10-SB-021SN-0003-SO	4/7/2008	1600	4/9/2008	1	0.023	0.036	-1.73	ND	
LL3EB10-SB-021SN-0003-SO-DUP	4/7/2008	1600	4/9/2008	1	0.021	0.063	-0.65	ND	
LL3EB11-SS-011SN-0001-SO	4/4/2008	1510	4/9/2008	1	0.008	0.010	-0.68	ND	
LL3EB8A-SS-006SN-0001-SO	4/4/2008	1520	4/9/2008	1	0.008	0.008	-0.74	ND	N
LL3EB4A URS-EPA 1	4/8/2008	1510	4/9/2008		0.000	1.049	20007 40	20007	Needs dilution
LL3EB4A URS-EPA 1 DL LL3EB4A URS-EPA 2	4/8/2008 4/8/2008	1510 1515	4/9/2008 4/9/2008		0.011 0.005	0.527	29907.12 57.28	29907 57.3	
LL3EB4A URS-EPA 3	4/8/2008	1515	4/9/2008	10	0.003	2.644	51.20	51.5	Needs dilution
LL3EB4A URS-EPA 3 DL	4/8/2008	1520	4/9/2008	-	0.001	0.115	343.65	344	
LL3EB4A URS-EPA 4	4/8/2008	1520	4/9/2008		0.004	0.744	2253.87	2254	
LL3EB10-SB-013SN-0001-SO	4/10/2008	1015	4/10/2008	1	0.184	0.315	-13.03	ND	
LL3EB10-SB-013SN-0002-SO	4/10/2008	1015	4/10/2008	1	0.001	0.003	-0.03	ND	
LL3EB10-SB-015SN-0001-SO	4/10/2008	940	4/10/2008	1	0.056	0.098	-3.90	ND	
LL3EB10-SB-015SN-0002-SO	4/10/2008	940	4/10/2008	1	0.007	0.011	-0.53	ND	
LL3EB10-SB-015SN-0003-SO LL3EB10-SB-015SN-0004-SO	4/10/2008 4/10/2008	940 940	4/10/2008 4/10/2008	1	0.003 0.001	0.004	-0.25 -0.06	ND ND	
LL3EB10-SB-020SN-0004-SO	4/10/2008	940 845	4/10/2008	1	0.001	0.002	-0.08	ND	
	1, 10, 2000	0.0	., 10,2000	1 1	3.000	0.017	0.00		1

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL3EB10-SB-020SN-0003-SO	4/10/2008	845	4/10/2008	1	0.005	0.013	-0.22	ND	
LL3EB10-SB-020SN-0004-SO	4/10/2008	845	4/10/2008	1	0.003	0.007	-0.15	ND	
LL3EB10-SB-020SN-0005-SO	4/10/2008	845	4/10/2008	1	0.005	0.014	-0.19	ND	
LL3EB10-SB-022SN-0001-SO	4/10/2008	1000	4/10/2008	1	0.046	0.085	-3.07	ND	
LL3EB10-SB-022SN-0002-SO	4/10/2008	1000	4/10/2008	1	0.006	0.016	-0.25	ND	
LL3EA5-SS-080SN-0001-SO	4/10/2008	1130	4/10/2008	1	0.002	0.004	-0.12	ND	
LL3EA7-SS-030SN-0001-SO	4/10/2008	1255	4/10/2008	1	0.001	0.004	0.00	ND	
LL3EA7-SS-030SN-0001-SO DUP LL3EA21-SS-031SN-0001-SO	4/10/2008 4/10/2008	1255 1240	4/10/2008 4/10/2008	1	0.009	0.009	-0.84 0.00	ND ND	
LL3EA21-33-0313N-0001-30	4/10/2008	1240	4/10/2008	1	0.002	3.128	0.00	ND	Needs dilution
LL3EA28-SS-034SN-0001-SO DL	4/10/2008	1230	4/10/2008	100	0.022	0.053	151.70	152	Too dilute
LL3EA28-SS-034SN-0001-SO DL2	4/10/2008	1230	4/10/2008	100	0.004	0.654	197.52	198	
LL3EB13-SS-007SN-0001-SO	4/10/2008	1100	4/10/2008	1	0.010	0.014	-0.80	ND	
LL3EB13A-SS-008SN-0001-SO	4/10/2008	1110	4/10/2008	1	0.011	0.043	-0.03	ND	
LL3EB13B-SS-009SN-0001-SO	4/10/2008	1045	4/10/2008	1	0.009	0.015	-0.65	ND	
LL3EA6-SB-086SN-0001-SO	4/10/2008	1515	4/10/2008	1	0.001	0.002	-0.06	ND	
LL3EA6-SB-086SN-0002-SO	4/10/2008	1515	4/10/2008	1	0.004	0.006	-0.31	ND	
LL3EA6-SB-086SN-0002-SO DUP	4/10/2008	1515	4/10/2008	1	0.000	0.001	0.03	ND	
LL3EA6-SB-086SN-0003-SO	4/10/2008	1515	4/10/2008	1	0.000	0.000	0.00	ND	
LL3EA6-SB-086SN-0004-SO	4/10/2008	1515	4/10/2008	1	0.000	0.005	0.15	ND	
LL3EA6-SB-087SN-0001-SO	4/10/2008	1530	4/10/2008	1	0.006	0.020	-0.12	ND	
LL3EA6-SB-087SN-0002-SO	4/10/2008	1530	4/10/2008	1	0.036	0.064	-2.48	ND	
LL3EA6-SB-087SN-0003-SO	4/10/2008	1530	4/10/2008	1	0.023	0.155	1.95	2.0	
LL3EA6-SB-087SN-0004-SO LL3EA6-SB-087SN-0005-SO	4/10/2008 4/10/2008	1530 1530	4/10/2008 4/10/2008	1	0.010 0.085	0.022	-0.56 -7.65	ND ND	
LL3EA6-SB-087SN-0003-SO	4/10/2008	1725	4/10/2008	1	0.085	0.093	-7.65	ND	
LL3EA6-SB-088SN-0002-SO	4/10/2008	1725	4/10/2008	1	0.041	0.009	-2.94	ND	
LL3EA6-SB-088SN-0003-SO	4/10/2008	1725	4/10/2008	1	0.022	0.006	-0.19	ND	
LL3EA6-SB-088SN-0004-SO	4/10/2008	1725	4/10/2008	1	0.003	0.012	0.00	ND	
LL3EA6-SB-089SN-0001-SO	4/10/2008	1700	4/10/2008	1	0.000	0.038	1.18	1.2	
LL3EA6-SB-089SN-0002-SO	4/10/2008	1700	4/10/2008	1	0.029	1.797			Needs dilution
LL3EA6-SB-089SN-0002-SO DL	4/10/2008	1700	4/10/2008	10	0.002	0.163	47.99	48.0	
LL3EA6-SB-089SN-0003-SO	4/10/2008	1700	4/10/2008	1	0.010	2.673			Needs dilution
LL3EA6-SB-089SN-0003-SO DL	4/10/2008	1700	4/10/2008	50	0.000	0.073	113.00	113	
LL3EA6-SB-089SN-0004-SO	4/10/2008	1700	4/10/2008	1	0.005	0.846	25.57	25.6	
LL3EA6-SB-089SN-0005-SO	4/10/2008	1700	4/10/2008	1	0.020	3.264			Needs dilution
LL3EA6-SB-089SN-0005-SO DL	4/10/2008	1700	4/10/2008	100	0.004	1.683	4000.00	1001	Needs dilution
LL3EA6-SB-089SN-0005-SO DL2	4/10/2008	1700	4/10/2008	1000	0.000	0.157	4860.68	4861	
LL3EA6-SB-090SN-0001-SO LL3EA6-SB-090SN-0002-SO	4/10/2008 4/10/2008	1745 1745	4/10/2008 4/10/2008	1	0.002	0.007	-0.03 0.03	ND ND	
LL3EA6-SB-090SN-0002-SO	4/10/2008	1745	4/10/2008	1	0.000	0.001	0.03	ND	
LL3EA6-SB-090SN-0003-SO	4/10/2008	1745	4/10/2008	1	0.000	0.000	0.00	ND	
LL3EA6-SB-090SN-0005-SO	4/10/2008	1745	4/10/2008	-	0.000	0.020	0.13	ND	
LL3EA6-SB-090SN-0005-SO DUP	4/10/2008	1745	4/10/2008	1	0.000	0.009	0.15	ND	
LL2DB4A-SB-013SN-0001-SO	4/17/2008	1400	4/17/2008	1	0.000	0.005	0.15	ND	
LL2DB4A-SB-013SN-0002-SO	4/17/2008	1400	4/17/2008	1	0.000	0.011	0.34	ND	
LL2DB4A-SB-013SN-0003-SO	4/17/2008	1400	4/17/2008	1	0.005	0.007	-0.40	ND	
LL2DB4A-SB-013SN-0004-SO	4/17/2008	1400	4/17/2008	1	0.000	0.000	0.00	ND	
LL2DB4A-SB-013SN-0005-SO	4/17/2008	1400	4/17/2008	1	0.000	0.001	0.03	ND	
LL2DB4A-SB-014SN-0001-SO	4/17/2008	1415	4/17/2008	1	0.001	0.014	0.31	ND	
LL2DB4A-SB-014SN-0002-SO	4/17/2008	1415	4/17/2008	1	0.000	0.000	0.00	ND	
LL2DB4A-SB-014SN-0003-SO	4/17/2008	1415	4/17/2008	1	0.007	0.041	0.40	ND	
LL2DB4A-SB-014SN-0004-SO	4/17/2008	1415	4/17/2008	1	0.007	0.039	0.34	ND	
LL2DB4A-SB-014SN-0005-SO LL2DB4A-SB-015SN-0001-SO	4/17/2008	1415	4/17/2008	1	0.003	0.018	0.19	ND	
LL2DB4A-SB-015SN-0001-SO LL2DB4A-SB-015SN-0002-SO	4/17/2008	1430 1430	4/17/2008 4/17/2008	1	0.003	0.005	-0.22	ND ND	
LL2DB4A-SB-015SN-0002-SO LL2DB4A-SB-015SN-0003-SO	4/17/2008	1430	4/17/2008	1	0.023	0.029	-1.95 -0.28	ND ND	
LL2DB4A-SB-015SN-0003-SO	4/17/2008	1430	4/17/2008	1	0.004	0.007	-0.20	ND	
LL2DB4AVP1-SS-088SN-0001-SO	4/17/2008	1050	4/17/2008	1	0.008	0.003	0.09	ND	
LL2DB9A-SS-008SN-0001-SO	4/17/2008	1035	4/17/2008	1	0.000	0.000	-0.37	ND	
LL2DB19-SS-002SN-0001-SO	4/17/2008	930	4/17/2008	1	0.015	0.032	-0.87	ND	
LL2DB20-SS-004SN-0001-SO	4/17/2008	950	4/17/2008	1	0.000	0.012	0.37	ND	
LL2DB22-SS-006SN-0001-SO	4/17/2008	1210	4/17/2008	1	0.000	0.001	0.03	ND	
LL2DB25-SS-007SN-0001-SO	4/17/2008	1010	4/17/2008	1	0.020	0.107	0.84	0.8	
LL2DB2-SS-003SN-0001-SO			4/17/2008	<u> </u>	0.020	00.	0.0 .	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL2DB4A-SB-013SN-0001-SO-DUP	4/17/2008	1400	4/17/2008	1	0.002	0.002	-0.19	ND	
LL2DB4A-SB-016SN-0001-SO	4/17/2008	1600	4/18/2008	1	0.033	3.201			Needs dilution
LL2DB4A-SB-016SN-0001-SO DL	4/17/2008	1600	4/18/2008	10	0.003	0.487	147.06	147	
LL2DB4A-SB-016SN-0002-SO	4/17/2008	1600	4/18/2008		0.016	0.711	200.31	200	
LL2DB4A-SB-016SN-0003-SO	4/17/2008 4/17/2008	1600 1600	4/18/2008 4/18/2008	1	0.007 0.005	0.030 0.063	0.06	ND 1.3	
LL2DB4A-SB-016SN-0004-SO LL2DB4A-SB-016SN-0005-SO	4/17/2008	1600	4/18/2008	1	0.005	0.063	1.02	1.0	
LL2DB4A-SB-017SN-0001-SO	4/17/2008	1615	4/18/2008	1	0.004	0.105	2.26	2.3	
LL2DB4A-SB-017SN-0002-SO	4/17/2008	1615	4/18/2008	1	0.005	0.286	8.24	8.2	
LL2DB4A-SB-017SN-0003-SO	4/17/2008	1615	4/18/2008	1	0.008	0.244	6.56	6.6	
LL2DB4A-SB-017SN-0004-SO	4/17/2008	1615	4/18/2008	1	0.004	0.095	2.45	2.4	
LL2DB4A-SB-017SN-0005-SO	4/17/2008	1615	4/18/2008	1	0.001	0.030	0.80	0.8	
LL2DB4A-SB-018SN-0001-SO	4/17/2008	1645	4/18/2008	1	0.052	1.222			Needs dilution
LL2DB4A-SB-018SN-0001-SO DL	4/17/2008	1645	4/18/2008	10	0.004	0.130	35.29	35.3	
LL2DB4A-SB-018SN-0002-SO	4/17/2008	1645	4/18/2008	1	0.014	3.294	000.40	000	Needs dilution
LL2DB4A-SB-018SN-0002-SO DL	4/17/2008	1645	4/18/2008		0.003	0.139	393.19	393	Neede dilution
LL2DB4A-SB-018SN-0003-SO LL2DB4A-SB-018SN-0003-SO DL	4/17/2008 4/17/2008	1645 1645	4/18/2008 4/18/2008	100	0.008	3.244 0.162	439.63	440	Needs dilution
LL2DB4A-SB-018SN-0003-SO DL LL2DB4A-SB-018SN-0004-SO	4/17/2008	1645	4/18/2008	100	0.005	0.162	439.63	12.1	
LL2DB4A-SB-018SN-0004-SO	4/17/2008	1645	4/18/2008	1	0.005	0.415	-0.43	ND	
LL2DB4A-SB-019SN-0001-SO	4/17/2008	1725	4/18/2008	1	0.003	0.008	-0.45	ND	
LL2DB4A-SB-019SN-0002-SO	4/17/2008	1725	4/18/2008	1	0.002	0.004	-0.12	ND	
LL2DB4A-SB-019SN-0003-SO	4/17/2008	1725	4/18/2008	1	0.004	0.006	-0.31	ND	
LL2DB4A-SB-019SN-0004-SO	4/17/2008	1725	4/18/2008	1	0.002	0.003	-0.15	ND	
LL2DB4A-SB-019SN-0005-SO	4/17/2008	1725	4/18/2008	1	0.002	0.008	0.00	ND	
LL2DB4A-SB-019SN-0005-SO DUP	4/17/2008	1725	4/18/2008	1	0.002	0.006	-0.06	ND	
LL2DB4A-SB-020SN-0001-SO	4/17/2008	1745	4/18/2008	1	0.002	0.069	1.89	1.9	
LL2DB4A-SB-020SN-0002-SO	4/17/2008 4/17/2008	1745	4/18/2008 4/18/2008	1	0.002	0.754 0.132	23.10 3.84	23.1 3.8	
LL2DB4A-SB-020SN-0003-SO LL2DB4A-SB-020SN-0004-SO	4/17/2008	1745 1745	4/18/2008	1	0.002	0.132	-0.09	3.8 ND	
LL2DB4A-SB-020SN-0004-SO	4/17/2008	1745	4/18/2008	1	0.002	0.003	-0.05	ND	
LL2DB4A-SB-021SN-0001-SO	4/17/2008	815	4/18/2008	1	0.002	0.026	0.06	ND	
LL2DB4A-SB-021SN-0002-SO	4/17/2008	815	4/18/2008	1	0.005	0.005	-0.46	ND	
LL2DB4A-SB-021SN-0003-SO	4/17/2008	815	4/18/2008	1	0.010	0.015	-0.77	ND	
LL2DB4A-SB-021SN-0004-SO	4/17/2008	815	4/18/2008	1	0.027	0.062	-1.42	ND	
LL2DB4A-SB-021SN-0005-SO	4/17/2008	815	4/18/2008	1	0.012	0.020	-0.87	ND	
LL2DB4A-SB-022SN-0001-SO	4/17/2008	845	4/18/2008	1	0.001	0.003	-0.03	ND	
LL2DB4A-SB-022SN-0002-SO	4/17/2008	845	4/18/2008	1	0.005	0.010	-0.31	ND	
LL2DB4A-SB-022SN-0003-SO	4/17/2008	845	4/18/2008	1	0.002	0.014	0.19	ND ND	
LL2DB4A-SB-022SN-0004-SO LL2DB4A-SB-022SN-0005-SO	4/17/2008 4/17/2008	845 845	4/18/2008 4/18/2008	1	0.000	0.004	0.12	ND	
LL2DB4A-SB-022SN-0005-SO	4/17/2008	910	4/18/2008	1	0.000	0.001	0.03	ND	
LL2DB4A-SB-023SN-0001-SO	4/17/2008	910	4/18/2008		0.002	0.005	0.05	ND	
LL2DB4A-SB-023SN-0003-SO	4/17/2008	910	4/18/2008	1	0.000	0.001	0.03	ND	
LL2DB4A-SB-023SN-0004-SO	4/17/2008	910	4/18/2008	1	0.000	0.000	0.00	ND	
LL2DB4A-SB-023SN-0005-SO	4/17/2008	910	4/18/2008	1	0.001	0.001	-0.09	ND	
LL2DB4A-SB-020SN-0005-SO DUP	4/17/2008	1745	4/18/2008	1	0.003	0.005	-0.22	ND	
LL2-2-51-SS-032SN-0001-SO	4/18/2008	900	4/18/2008	1	0.003	0.010	-0.06	ND	
LL2-2-51A-SS-033SN-0001-SO	4/18/2008	910	4/18/2008	1	0.008	0.093	1.89	1.9	Blue Tint
LL2DB8-SS-031SN-0001-SO	4/18/2008	845	4/18/2008	1	0.001	0.006	0.06	ND	
LL2DB3-SS-005SN-0001-SO LL2DC1-SS-086SN-0001-SO	4/18/2008 4/18/2008	755 825	4/18/2008 4/18/2008	1	0.004 0.037	0.009 0.065	-0.22 -2.57	ND ND	
LL2DC1-SS-086SN-0001-SO LL2DB4A-SB-027SN-0001-SO	4/18/2008	825 955	4/18/2008	1	0.037	0.065	0.09	ND	
LL2DB4A-SB-027SN-0001-SO	4/18/2008	955	4/18/2008	1	0.000	0.003	0.09	ND	
LL2DB4A-SB-027SN-0003-SO	4/18/2008	955	4/18/2008	1	0.000	0.001	0.03	ND	
LL2DB4A-SB-027SN-0004-SO	4/18/2008	955	4/18/2008	1	0.002	0.003	-0.15	ND	
LL2DB4A-SB-027SN-0005-SO	4/18/2008	955	4/18/2008	1	0.006	0.007	-0.53	ND	
L2DB4A-SB-028SN-0001-SO	4/18/2008	930	4/18/2008	1	0.017	2.360			Needs dilution
LL2DB4A-SB-028SN-0001-SO DL	4/18/2008	930	4/18/2008		0.004	0.250	72.45	72.4	
LL2DB4A-SB-028SN-0002-SO	4/18/2008	930	4/18/2008	1	0.014	0.580	16.22	16.2	
LL2DB4A-SB-028SN-0003-SO	4/18/2008	930	4/18/2008	1	0.003	0.822	25.08	25.1	
LL2DB4A-SB-028SN-0004-SO LL2DB4A-SB-028SN-0005-SO	4/18/2008 4/18/2008	930	4/18/2008 4/18/2008	1	0.000 0.008	0.179 0.045	5.54	5.5 ND	Blue Tint
LL2DB4A-SB-028SN-0005-SO LL2DB4-PIT	4/18/2008	930 1530	4/18/2008	100	0.008	0.045 3.361	0.40		Blue Tint Needs add'l dilution;
	4/10/2000	1330	+/ 10/2000	100	0.013	3.301			Original Sample ID was LL3DB4-PIT. Corrected to
L2DB4-PIT DL	4/18/2008	1530	4/18/2008	1000	0.002	0.751	23003.10	23003	LL2DB4-PIT after analysis



Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL2-2-51-SS-032SN-0001-SO DUP	4/18/2008	900	4/18/2008	1	0.001	0.008	0.12	ND	
LL2DB4-SB-034SN-0001-SO	4/18/2008	1445	4/21/2008	1	0.000	0.002	0.06	ND	
LL2DB4-SB-034SN-0002-SO	4/18/2008	1445	4/21/2008	1	0.009	0.063	0.84	0.8	
LL2DB4-SB-034SN-0003-SO	4/18/2008	1445	4/21/2008	1	0.002	0.009	0.03	ND	
LL2DB4-SB-034SN-0004-SO	4/18/2008	1445	4/21/2008	1	0.004	0.033	0.53	ND	
LL2DB4-SB-034SN-0005-SO	4/18/2008	1445	4/21/2008	1	0.024	0.043	-1.64	ND	
LL2DB4-SB-035SN-0001-SO	4/18/2008	1500	4/21/2008	1	0.003	0.013	0.03	ND	
LL2DB4-SB-035SN-0002-SO LL2DB4-SB-035SN-0003-SO	4/18/2008 4/18/2008	1500 1500	4/21/2008 4/21/2008	1	0.000	0.007	0.22 0.59	ND ND	
LL2DB4-SB-035SN-0003-SO	4/18/2008	1500	4/21/2008	1	0.001	0.023	-0.19	ND	
LL2DB4-SB-035SN-0004-SO	4/18/2008	1500	4/21/2008	1	0.003	0.000	-0.93	ND	
LL2DB4-SB-036SN-0001-SO	4/18/2008	1550	4/21/2008	1	0.001	0.016	0.37	ND	
LL2DB4-SB-036SN-0002-SO	4/18/2008	1550	4/21/2008	1	0.001	0.001	-0.09	ND	
LL2DB4-SB-036SN-0003-SO	4/18/2008	1550	4/21/2008	1	0.001	0.004	0.00	ND	
LL2DB4-SB-036SN-0004-SO	4/18/2008	1550	4/21/2008	1	0.006	0.008	-0.50	ND	
LL2DB4-SB-036SN-0005-SO	4/18/2008	1550	4/21/2008	1	0.004	0.004	-0.37	ND	
LL4G20-SS-036-0001-SO	4/18/2008	1200	4/21/2008	1	0.007	0.016	-0.37	ND	
LL3EB4AVP1-SS-075SN-0001-SO	4/18/2008	1145	4/21/2008	1	0.012	0.023	-0.77	ND	
Pink Water 1	4/21/2008	NA	4/21/2008	1	0.040	0.192	0.99	1.0	
Pink Water 2	4/21/2008	NA	4/21/2008	1	0.005	0.171	4.67	4.7	Surface soil samples near
Pink Water 3	4/21/2008	NA	4/21/2008	1	0.020	0.399	9.88	9.9	standing pink water at EB4A.
Pink Water 4	4/21/2008	NA	4/21/2008	1	0.010	0.801	23.56	23.6	
LL2DB4-SB-036SN-0003-SO DUP	4/18/2008	1550	4/21/2008	1	0.000	0.001	0.03	ND	
LL3EB4A-SB-100SN-0001-SO LL3EB4A-SB-100SN-0001-SO DL	4/21/2008 4/21/2008	1120 1120	4/23/2008 4/23/2008	1	0.007	1.092 0.505	29.54	29.5	
LL3EB4A-SB-100SN-0001-SO DL	4/21/2008	1120	4/23/2008	1	0.007	0.001	0.03	29.5 ND	
LL3EB4A-SB-100SN-0003-SO	4/21/2008	1120	4/23/2008	1	0.000	0.005	-0.22	ND	
LL3EB4A-SB-100SN-0004-SO	4/21/2008	1120	4/23/2008	1	0.000	0.002	0.06	ND	
LL3EB4A-SB-100SN-0005-SO	4/21/2008	1120	4/23/2008	1	0.000	0.006	0.19	ND	
LL3EB4A-SB-101SN-0001-SO	4/21/2008	1200	4/23/2008	1	0.004	0.146	4.02	4.0	
LL3EB4A-SB-101SN-0002-SO	4/21/2008	1200	4/23/2008	1	0.000	0.003	0.09	ND	
LL3EB4A-SB-101SN-0003-SO	4/21/2008	1200	4/23/2008	1	0.000	0.002	0.06	ND	
LL3EB4A-SB-101SN-0004-SO	4/21/2008	1200	4/23/2008	1	0.000	0.002	0.06	ND	
LL3EB4A-SB-101SN-0005-SO	4/21/2008	1200	4/23/2008	1	0.000	0.007	0.22	ND	
LL2DB4-SB-037SN-0001-SO	4/23/2008	1015	4/23/2008	1	0.000	0.008	0.25	ND	
LL2DB4-SB-037SN-0002-SO	4/23/2008	1015	4/23/2008	1	0.001	0.006	0.06	ND	
LL2DB4-SB-037SN-0003-SO	4/23/2008	1015	4/23/2008	1	0.001	0.005	0.03	ND	
LL2DB4-SB-037SN-0004-SO	4/23/2008	1015	4/23/2008	1	0.002	0.008	0.00	ND	
LL2DB4-SB-037SN-0005-SO LL2DB4-SB-039SN-0001-SO	4/23/2008 4/23/2008	1015 1000	4/23/2008 4/23/2008	1	0.004	0.038	0.68	ND ND	
LL2DB4-SB-039SN-0002-SO	4/23/2008	1000	4/23/2008	1	0.000	0.000	0.87	0.9	
LL2DB4-SB-039SN-0003-SO	4/23/2008	1000	4/23/2008	1	0.006	0.020	-0.53	ND	
LL2DB4-SB-039SN-0004-SO	4/23/2008	1000	4/23/2008		0.000	0.000	0.00	ND	
LL2DB4-SB-039SN-0005-SO	4/23/2008	1000	4/23/2008		0.000	0.000	0.00	ND	1
LL3EB4A-SB-101SN-0005-SO DUP	4/21/2008	1200	4/23/2008	1	0.003	0.007	-0.15	ND	
LL2DB4-SB-040SN-0001-SO	4/23/2008	920	4/23/2008	1	0.010	0.012	-0.87	ND	
LL2DB4-SB-040SN-0002-SO	4/23/2008	920	4/23/2008	1	0.000	0.002	0.06	ND	
LL2DB4-SB-040SN-0003-SO	4/23/2008	920	4/23/2008	1	0.009	0.009	-0.84	ND	
LL2DB4-SB-040SN-0004-SO	4/23/2008	920	4/23/2008	1	0.000	0.026	0.80	0.8	
LL2DB4-SB-041SN-0001-SO	4/23/2008	905	4/23/2008	1	0.000	0.000	0.00	ND	
LL2DB4-SB-041SN-0002-SO	4/23/2008	905	4/23/2008	1	0.000	0.000	0.00	ND	<u> </u>
LL2DB4-SB-041SN-0003-SO	4/23/2008	905	4/23/2008	1	0.000	0.000	0.00	ND	<u> </u>
LL2DB4-SB-041SN-0004-SO	4/23/2008	905	4/23/2008	1	0.000	0.000	0.00	ND	<u> </u>
LL2DB4-SB-041SN-0005-SO LL2DB4-SB-042SN-0001-SO	4/23/2008 4/23/2008	905 855	4/23/2008 4/23/2008	1	0.000	0.020	0.62	ND ND	
LL2DB4-SB-042SN-0001-SO	4/23/2008	855	4/23/2008	1	0.000	0.003	-0.43	ND	+
LL2DB4-SB-042SN-0002-SO	4/23/2008	855	4/23/2008	1	0.000	0.010	-0.43	ND	
LL2DB4-SB-042SN-0004-SO	4/23/2008	855	4/23/2008	1	0.012	0.007	-0.65	ND	<u> </u>
LL2DB4-SB-042SN-0005-SO	4/23/2008	855	4/23/2008	1	0.177	0.173	-16.56	ND	Cloudy, no pink
LL2DB4-SB-043SN-0001-SO	4/23/2008	840	4/23/2008	1	0.179	0.269			Light peach, cloudy
LL2DB4-SB-043SN-0001-SO DL	4/23/2008	840	4/23/2008	2	0.014	0.053	-0.19	ND	
LL2DB4-SB-043SN-0002-SO	4/23/2008	840	4/23/2008	1	0.171	0.174	-15.79	ND	Cloudy, no pink
LL2DB4-SB-043SN-0003-SO	4/23/2008	840	4/23/2008	1	0.001	0.006	0.06	ND	
LL2DB4-SB-043SN-0004-SO	4/23/2008	840	4/23/2008		0.001	0.006	0.06	ND	
LL2DB4-SB-043SN-0005-SO	4/23/2008	840	4/23/2008	1	0.001	0.007	0.09	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL2DB4-SB-043SN-0004-SO DUP	4/23/2008	840	4/23/2008	1	0.001	0.007	0.09	ND	
LL2DB10VP2-SS-056SN-0001-SO	4/23/2008	1100	4/23/2008	1	0.178	1.159			
LL2DB10VP2-SS-056SN-0001-SO DL	4/23/2008	1100	4/23/2008	3	0.056	0.510	26.56	26.6	
LL2DB10VP1-SS-057SN-0001-SO	4/23/2008	1110	4/23/2008	1	0.088	0.163	-5.85	ND	
LL2DB8A-SS-059SN-0001-SO	4/23/2008	1115	4/23/2008	1	0.000 0.018	0.000	0.00	ND ND	
LL2DB11-SS-060SN-0001-SO LL2DB11-SS-060SN-0001-SO DUP	4/23/2008 4/23/2008	1040 1040	4/23/2008 4/23/2008	1	0.018	0.053 0.025	-0.59 -0.09	ND	
LL2DB4-SB-044SN-0001-SO	4/23/2008	1520	4/24/2008	1	0.000	0.008	0.00	ND	
LL2DB4-SB-044SN-0002-SO	4/23/2008	1520	4/24/2008	1	0.000	0.005	0.15	ND	
LL2DB4-SB-044SN-0003-SO	4/23/2008	1520	4/24/2008	1	0.000	0.001	0.03	ND	
LL2DB4-SB-044SN-0004-SO	4/23/2008	1520	4/24/2008	1	0.001	0.004	0.00	ND	
LL2DB4-SB-044SN-0005-SO	4/23/2008	1520	4/24/2008	1	0.001	0.041	1.15	1.1	Blue Tint
LL2DB4-SB-045SN-0001-SO	4/23/2008	1510	4/24/2008	1	0.000	0.021	0.65	ND	
LL2DB4-SB-045SN-0002-SO LL2DB4-SB-045SN-0003-SO	4/23/2008 4/23/2008	1510 1510	4/24/2008 4/24/2008	1	0.000	0.001 0.010	0.03	ND ND	
LL2DB4-SB-045SN-0003-SO	4/23/2008	1510	4/24/2008	1	0.001	0.006	-0.43	ND	
LL2DB4-SB-045SN-0005-SO	4/23/2008	1510	4/24/2008	1	0.004	0.004	-0.37	ND	
LL2DB4-SB-046SN-0001-SO	4/23/2008	1455	4/24/2008	1	0.003	0.012	0.00	ND	
LL2DB4-SB-046SN-0002-SO	4/23/2008	1455	4/24/2008	1	0.002	0.008	0.00	ND	
LL2DB4-SB-046SN-0003-SO	4/23/2008	1455	4/24/2008	1	0.004	0.025	0.28	ND	
LL2DB4-SB-046SN-0004-SO	4/23/2008	1455	4/24/2008	1	0.002	0.018	0.31	ND	
LL2DB4-SB-046SN-0005-SO LL2DB4-SB-047SN-0001-SO	4/23/2008	1455	4/24/2008	1	0.001	0.011	0.22	ND	
LL2DB4-SB-047SN-0001-SO LL2DB4-SB-047SN-0002-SO	4/23/2008 4/23/2008	1420 1420	4/24/2008 4/24/2008	1	0.000 0.008	0.016	0.50	ND	
LL2DB4-SB-047SN-0002-SO DL	4/23/2008	1420	4/24/2008	3	0.008	0.540	48.67	48.7	
LL2DB4-SB-047SN-0003-SO	4/23/2008	1420	4/24/2008	1	0.010	3.009			
LL2DB4-SB-047SN-0003-SO DL	4/23/2008	1420	4/24/2008	10	0.000	0.355	109.91	109.9	
LL2DB4-SB-047SN-0004-SO	4/23/2008	1420	4/24/2008	1	0.016	1.269			
LL2DB4-SB-047SN-0004-SO DL	4/23/2008	1420	4/24/2008	5	0.003	0.301	44.74	44.7	
LL2DB4-SB-047SN-0005-SO	4/23/2008	1420	4/24/2008	1	0.004	0.034	0.56	ND	
LL2DB4-SB-044SN-0003-SO DUP LL2DB4-SB-048SN-0001-SO	4/23/2008 4/23/2008	1520 1405	4/24/2008 4/24/2008	1	0.002	0.003	-0.15 5.02	ND 5.0	
LL2DB4-SB-048SN-0001-SO	4/23/2008	1405	4/24/2008	1	0.003	0.003	-0.03	ND	
LL2DB4-SB-048SN-0003-SO	4/23/2008	1405	4/24/2008	1	0.006	0.047	0.71	0.7	Yellow
LL2DB4-SB-048SN-0004-SO	4/23/2008	1405	4/24/2008	1	0.024	3.231			
LL2DB4-SB-048SN-0004-SO DL1	4/23/2008	1405	4/24/2008	100	0.003	0.090	241.49	241.5	Overdiluted; don't use.
LL2DB4-SB-048SN-0004-SO DL2	4/23/2008	1405	4/24/2008	10	0.004	0.800	242.72	242.7	
LL2DB4-SB-048SN-0005-SO	4/23/2008	1405	4/24/2008	1	0.111	3.254			
LL2DB4-SB-048SN-0005-SO DL	4/23/2008	1405	4/24/2008 4/24/2008		0.002	0.285	857.59	857.6 ND	
LL2DB4-SB-049SN-0001-SO LL2DB4-SB-049SN-0002-SO	4/23/2008 4/23/2008	1350 1350	4/24/2008	1	0.001	0.001	-0.09 0.25	ND	
LL2DB4-SB-049SN-0002-SO	4/23/2008	1350	4/24/2008	1	0.004	0.359	10.62	10.6	
LL2DB4-SB-049SN-0004-SO	4/23/2008	1350	4/24/2008		0.039	3.244			
LL2DB4-SB-049SN-0004-SO DL1	4/23/2008	1350	4/24/2008		0.002	0.071	195.05	195.0	Overdiluted; don't use.
LL2DB4-SB-049SN-0004-SO DL2	4/23/2008	1350	4/24/2008		0.006	0.669	199.69	199.7	
LL2DB4-SB-049SN-0005-SO	4/23/2008	1350	4/24/2008	1	0.033	3.208	400 -0	400 -	
LL2DB4-SB-049SN-0005-SO DL	4/23/2008	1350	4/24/2008		0.003	0.153	436.53	436.5	
LL3EB4A-SB-070SN-0001-SO LL3EB4A-SB-070SN-0002-SO	4/24/2008 4/24/2008	1000 1000	4/24/2008 4/24/2008	1	0.010 0.002	0.655	19.04 -0.03	19.0 ND	
LL3EB4A-SB-070SN-0002-SO	4/24/2008	1000	4/24/2008	1	0.002	0.007	-0.03	ND	
LL3EB4A-SB-070SN-0004-SO	4/24/2008	1000	4/24/2008	1	0.002	0.007	-0.15	ND	
LL3EB4A-SB-070SN-0005-SO	4/24/2008	1000	4/24/2008	1	0.002	0.002	-0.19	ND	
LL3EB4A-SB-071SN-0001-SO	4/24/2008	930	4/24/2008	1	0.016	0.417	10.93	10.9	
LL3EB4A-SB-071SN-0002-SO	4/24/2008	930	4/24/2008	1	0.000	0.026	0.80	0.8	
LL3EB4A-SB-071SN-0003-SO	4/24/2008	930	4/24/2008	1	0.001	0.002	-0.06	ND	
LL3EB4A-SB-071SN-0004-SO LL3EB4A-SB-071SN-0005-SO	4/24/2008 4/24/2008	930 930	4/24/2008 4/24/2008	1	0.000	0.000	0.00	ND ND	
LL3EB4A-SB-071SN-0005-SO LL2DB4-SB-049SN-0003-SO DUP	4/23/2008	1350	4/24/2008	1	0.000	0.002	-0.09	ND	
LL3EB4A-SB-072SN-0003-SO DOP	4/23/2008	915	4/24/2008	1	0.004	0.013	0.43	ND	Blue Tint
LL3EB4A-SB-072SN-0002-SO	4/24/2008	915	4/24/2008	1	0.002	0.002	0.45	ND	2.00 1110
LL3EB4A-SB-072SN-0003-SO	4/24/2008	915	4/24/2008	1	0.000	0.002	0.06	ND	
LL3EB4A-SB-072SN-0004-SO	4/24/2008	915	4/24/2008	1	0.002	0.003	-0.15	ND	
LL3EB4A-SB-072SN-0005-SO	4/24/2008	915	4/24/2008	1	0.000	0.001	0.03	ND	
LL2DB29-SS-061SN-0001-SO	4/24/2008	1635	4/24/2008	1	0.025	0.055	-1.39	ND	Yellow
LL2DB13B-SS-062SN-0001-SO	4/24/2008	1710	4/24/2008	1	0.002	0.005	-0.09	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL2DB26-SS-063SN-0001-SO	4/24/2008	1640	4/24/2008	1	0.017	0.046	-0.68	ND	Pale yellow
LL2DB13-SS-064SN-0001-SO	4/24/2008	1650	4/24/2008	1	0.162	0.360	-8.92	ND	Bright Yellow
LL2DB13A-SS-065SN-0001-SO	4/24/2008	1700	4/24/2008	1	0.006	0.018	-0.19	ND	
LL3EB4A-SB-072SN-0003-SO DUP	4/24/2008	915	4/24/2008	1	0.000	0.001	0.03	ND	
LL3EB4-SB-047SN-0001-SO	4/30/2008	1030	4/30/2008	1	0.003	0.014	0.06	ND	
LL3EB4-SB-047SN-0002-SO LL3EB4-SB-047SN-0003-SO	4/30/2008 4/30/2008	1030 1030	4/30/2008 4/30/2008	1	0.002	0.005	-0.09 -0.22	ND ND	
LL3EB4-SB-047SN-0003-SO	4/30/2008	1030	4/30/2008	1	0.003	0.005	-0.22	ND	
LL3EB4-SB-048SN-0001-SO	4/30/2008	1100	4/30/2008	1	0.002	0.039	0.22	ND	
LL3EB4-SB-048SN-0002-SO	4/30/2008	1100	4/30/2008	1	0.007	0.029	0.03	ND	
LL3EB4-SB-048SN-0003-SO	4/30/2008	1100	4/30/2008	1	0.003	0.022	0.31	ND	
LL3EB4-SB-048SN-0004-SO	4/30/2008	1100	4/30/2008	1	0.000	0.001	0.03	ND	
LL3EB4-SB-048SN-0005-SO	4/30/2008	1100	4/30/2008	1	0.003	0.004	-0.25	ND	
LL3EB4-SB-049SN-0001-SO	4/30/2008	945	4/30/2008	1	0.011	0.152	3.34	3.3	
LL3EB4-SB-049SN-0002-SO	4/30/2008	945	4/30/2008	1	0.002	0.026	0.56	ND	
LL3EB4-SB-049SN-0003-SO	4/30/2008	945	4/30/2008	1	0.008	0.134	3.16	3.2	
LL3EB4-SB-049SN-0004-SO	4/30/2008	945	4/30/2008	1	0.000	0.003	0.09	ND	
LL3EB4-SB-051SN-0001-SO	4/30/2008	930	4/30/2008	1	0.018	0.135	1.95	2.0	
LL3EB4-SB-051SN-0002-SO	4/30/2008	930	4/30/2008	1	0.018	0.676	18.70	18.7	
LL3EB4-SB-051SN-0003-SO	4/30/2008	930	4/30/2008	1	0.044	2.499	71.92	04 7	
LL3EB4-SB-051SN-0003-SO DL LL3EB4-SB-051SN-0004-SO	4/30/2008	930	4/30/2008	10	0.002	0.272	81.73 2.72	81.7	
LL3EB4-SB-0515N-0004-SO LL3EB4-SB-048SN-0002-SO-DUP	4/30/2008 4/30/2008	930 1100	4/30/2008 4/30/2008	1	0.004 0.005	0.104 0.035	0.46	2.7 ND	
LL2DB10-SB-090SN-0002-SO-DOP	4/30/2008	1205	4/30/2008	1	0.005	0.035	0.46	ND	
LL2DB10-SB-090SN-0001-SO	4/30/2008	1205	4/30/2008	1	0.000	0.003	0.00	ND	
LL2DB10-SB-090SN-0002-SO	4/30/2008	1205	4/30/2008	1	0.002	0.000	0.03	ND	
LL2DB10-SB-090SN-0004-SO	4/30/2008	1205	4/30/2008	1	0.001	0.003	-0.03	ND	
LL2DB10-SB-090SN-0005-SO	4/30/2008	1205	4/30/2008	1	0.002	0.004	-0.12	ND	
LL2DB10-SB-091SN-0001-SO	4/30/2008	1200	4/30/2008	1	0.002	0.003	-0.15	ND	
LL2DB10-SB-091SN-0002-SO	4/30/2008	1200	4/30/2008	1	0.001	0.001	-0.09	ND	
LL2DB10-SB-091SN-0003-SO	4/30/2008	1200	4/30/2008	1	0.001	0.002	-0.06	ND	
LL2DB10-SB-093SN-0001-SO	4/30/2008	1220	4/30/2008	1	0.003	0.004	-0.25	ND	
LL2DB10-SB-093SN-0002-SO	4/30/2008	1220	4/30/2008	1	0.000	0.001	0.03	ND	
LL2DB10-SB-093SN-0003-SO	4/30/2008	1220	4/30/2008	1	0.004	0.007	-0.28	ND	
LL2DB10-SB-093SN-0004-SO	4/30/2008	1220	4/30/2008	1	0.007	0.008	-0.62	ND	
LL2DB10-SB-093SN-0005-SO LL2DB10-SB-093SN-0004-SO-DUP	4/30/2008	1220 1220	4/30/2008 4/30/2008	1	0.005	0.008	-0.37 -0.62	ND ND	
LL2DB10-SB-093SN-0004-SO-DOP	4/30/2008 4/30/2008	1220	4/30/2008 5/1/2008	1	0.007	0.008	-0.62	ND	
LL2DB10-SB-092SN-0001-SO	4/30/2008	1600	5/1/2008	1	0.001	0.003	0.03	ND	
LL2DB10-SB-092SN-0002-SO	4/30/2008	1600	5/1/2008	1	0.000	0.001	0.03	ND	
LL2DB10-SB-092SN-0004-SO	4/30/2008	1600	5/1/2008	1	0.000	0.001	0.03	ND	
LL2DB10-SB-094SN-0001-SO	4/30/2008	1530	5/1/2008	1	0.000	0.004	0.12	ND	
LL2DB10-SB-094SN-0002-SO	4/30/2008	1530	5/1/2008	1	0.000	0.001	0.03	ND	
LL2DB10-SB-094SN-0003-SO	4/30/2008	1530	5/1/2008		0.002	0.003	-0.15	ND	
LL2DB27-SS-68SN-0001-SO	4/30/2008	1725	5/1/2008	1	0.000	0.005	0.15	ND	
LL2DB27A-SS-066SN-0001-SO	4/30/2008	1745	5/1/2008	1	0.002	0.016	0.25	ND	
LL2DB27A-SS-066SN-0001-SO-DUP	4/30/2008	1745	5/1/2008	1	0.001	0.014	0.31	ND	
LL2DA6-SB-073SN-0001-SO	5/7/2008	1545	5/8/2008	1	0.006	0.020	-0.12	ND	
LL2DA6-SB-073SN-0002-SO	5/7/2008	1545	5/8/2008	1	0.016	2.640			
LL2DA6-SB-073SN-0002-SO DL	5/7/2008	1545	5/8/2008		0.005	0.521	155.11	155.1	
LL2DA6-SB-073SN-0003-SO	5/7/2008	1545	5/8/2008		0.003	0.025	0.40	ND 1.2	
LL2DA6-SB-073SN-0004-SO LL2DA6-SB-073SN-0005-SO	5/7/2008 5/7/2008	1545 1545	5/8/2008 5/8/2008	1	0.002	0.047 2.050	1.21	1.2	
LL2DA6-SB-073SN-0005-SO DL	5/7/2008	1545	5/8/2008		0.006	0.206	61.30	61.3	
LL2DA6-SB-074SN-0001-SO	5/7/2008	1525	5/8/2008	1	0.002	0.200	-0.12	ND	
LL2DA6-SB-074SN-0002-SO	5/7/2008	1525	5/8/2008	1	0.000	0.020	-2.07	ND	Yellow TNT
LL2DA6-SB-074SN-0003-SO	5/7/2008	1525	5/8/2008	1	0.007	0.023	-0.15	ND	
LL2DA6-SB-074SN-0004-SO	5/7/2008	1525	5/8/2008	1	0.002	0.017	0.28	ND	Blue TNT
LL2DA6-SB-074SN-0005-SO	5/7/2008	1525	5/8/2008	1	0.004	0.027	0.34	ND	
LL2DA6-SB-075SN-0001-SO	5/7/2008	1450	5/8/2008	1	0.007	0.016	-0.37	ND	
LL2DA6-SB-075SN-0002-SO	5/7/2008	1450	5/8/2008	1	0.002	0.049	1.27	1.3	
LL2DA6-SB-075SN-0003-SO	5/7/2008	1450	5/8/2008		0.036	3.292			
LL2DA6-SB-075SN-0003-SO DL	5/7/2008	1450	5/8/2008		0.000	0.156	482.97	483.0	
LL2DA6-SB-075SN-0004-SO	5/7/2008	1450	5/8/2008		0.024	3.411	007.10		
LL2DA6-SB-075SN-0004-SO DL	5/7/2008	1450	5/8/2008	100	0.000	0.109	337.46	337.5	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	TNT Conc. (ppm) (Cleanup Level: 1646 ppm)	Comments
LL2DA6-SB-075SN-0005-SO	5/7/2008	1450	5/8/2008	1	0.004	0.019	0.09	ND	
LL2DA6-SB-076SN-0001-SO	5/7/2008	1540	5/8/2008	1	0.006	0.015	-0.28	ND	
LL2DA6-SB-076SN-0002-SO	5/7/2008	1540	5/8/2008	1	0.012	0.022	-0.80	ND	
LL2DA6-SB-076SN-0003-SO	5/7/2008	1540	5/8/2008	1	0.030	3.419			
LL2DA6-SB-076SN-0003-SO DL	5/7/2008	1540	5/8/2008	100	0.000	0.253	783.28	783.3	
LL2DA6-SB-076SN-0004-SO	5/7/2008	1540	5/8/2008	1	0.001	0.034	0.93	0.9	
LL2DA6-SB-076SN-0005-SO	5/7/2008	1540	5/8/2008	1	0.008	0.370	10.46	10.5	
LL2DA6-SB-074SN-0002-SO-DUP LL2DA6-SB-077SN-0001-SO	5/7/2008 5/7/2008	1525 1510	5/8/2008 5/8/2008	1	0.013	0.033	-0.59 0.28	ND ND	
LL2DA6-SB-077SN-0002-SO	5/7/2008	1510	5/8/2008	1	0.002	0.017	0.28	ND	
LL2DA6-SB-077SN-0003-SO	5/7/2008	1510	5/8/2008	1	0.002	0.028	0.87	0.9	
LL2DA6-SB-077SN-0004-SO	5/7/2008	1510	5/8/2008	1	0.000	0.014	0.43	ND	
LL2DA6-SB-077SN-0005-SO	5/7/2008	1510	5/8/2008	1	0.005	0.050	0.93	0.9	
LL2DA7-SS-070SN-0001-SO	5/7/2008	1145	5/8/2008	1	0.004	0.007	-0.28	ND	
LL2DB27C-SS-069SN-0001-SO	5/7/2008	1100	5/8/2008	1	0.003	0.007	-0.15	ND	
LL2DA21-SS-071SN-0001-SO	5/7/2008	1200	5/8/2008	1	0.003	0.008	-0.12	ND	
LL2DA28-SS-072SN-0001-SO	5/7/2008	1430	5/8/2008	1	0.008	0.037	0.15	ND	
LL2DA28A-SS-079SN-0001-SO	5/8/2008	1020	5/8/2008	1	0.002	0.038	0.93	0.9	
LL2DA6A-SB-080SN-0001-SO	5/8/2008	900	5/8/2008	1	0.008	0.271	7.40	7.4	
LL2DA6A-SB-080SN-0002-SO LL2DA6A-SB-080SN-0003-SO	5/8/2008 5/8/2008	900 900	5/8/2008 5/8/2008	1	0.011 0.007	0.041 0.026	-0.09 -0.06	ND ND	
LL2DA6A-SB-080SN-0003-SO	5/8/2008	900	5/8/2008	1	0.007	0.026	3.16	3.2	
LL2DA6A-SB-080SN-0004-SO	5/8/2008	900	5/8/2008	1	0.023	0.064	0.12	ND	
LL2DA6A-SB-080SN-0003-SO	5/8/2008	1015	5/8/2008	1	0.013	0.004	0.12	ND	
LL2DA6A-SB-081SN-0002-SO	5/8/2008	1015	5/8/2008	1	0.005	0.025	0.15	ND	
LL2DA6A-SB-081SN-0003-SO	5/8/2008	1015	5/8/2008	1	0.007	0.091	1.95	2.0	
LL2DA6A-SB-081SN-0004-SO	5/8/2008	1015	5/8/2008	1	0.003	0.014	0.06	ND	
LL2DA6A-SB-081SN-0005-SO	5/8/2008	1015	5/8/2008	1	0.022	0.053	-1.08	ND	
LL2DA6A-SB-081SN-0005-SO-DUP	5/8/2008	1015	5/8/2008	1	0.008	0.027	-0.15	ND	
LL2DA6A-SB-082SN-0001-SO	5/8/2008	915	5/8/2008	1	0.012	0.682	19.63	19.6	
LL2DA6A-SB-082SN-0002-SO	5/8/2008	915	5/8/2008	1	0.015	0.032	-0.87	ND	
LL2DA6A-SB-082SN-0003-SO	5/8/2008	915	5/8/2008	1	0.007	0.014	-0.43	ND	
LL2DA6A-SB-082SN-0004-SO	5/8/2008	915	5/8/2008	1	0.014	0.023	-1.02	ND	
LL2DA6A-SB-082SN-0005-SO LL2DA6A-SB-083SN-0001-SO	5/8/2008 5/8/2008	915 1000	5/8/2008 5/8/2008	1	0.013 0.011	0.028	-0.74 2.60	ND 2.6	
LL2DA6A-SB-083SN-0001-SO	5/8/2008	1000	5/8/2008	1	0.011	0.535	15.08	15.1	
LL2DA6A-SB-083SN-0003-SO	5/8/2008	1000	5/8/2008	1	0.006	1.658	13.00	15.1	
LL2DA6A-SB-083SN-0003-SO DL	5/8/2008	1000	5/8/2008	2	0.010	2.316			
LL2DA6A-SB-083SN-0003-SO DL2	5/8/2008	1000	5/8/2008	20	0.000	0.160	99.07	99.1	
LL2DA6A-SB-083SN-0004-SO	5/8/2008	1000	5/8/2008	1	0.001	0.002	-0.06	ND	
LL2DA6A-SB-083SN-0005-SO	5/8/2008	1000	5/8/2008	1	0.001	0.002	-0.06	ND	
LL2DA6A-SB-084SN-0001-SO	5/8/2008	930	5/8/2008	1	0.004	0.391	11.61	11.6	
LL2DA6A-SB-084SN-0002-SO	5/8/2008	930	5/8/2008		0.005	0.024	0.12	ND	
LL2DA6A-SB-084SN-0003-SO	5/8/2008	930	5/8/2008	1	0.060	0.018	-6.87	ND	
LL2DA6A-SB-084SN-0004-SO	5/8/2008	930	5/8/2008	1	0.007	0.077	1.52	1.5	
LL2DA6A-SB-084SN-0005-SO LL2DA6A-SB-084SN-0001-SO-DUP	5/8/2008 5/8/2008	930 930	5/8/2008 5/8/2008	1	0.001 0.000	0.002	-0.06 0.25	ND ND	
LL2DB10-SB-096SN-0001-SO	5/8/2008	1515	5/9/2008	1	0.000	0.008	0.25	ND	
LL2DB10-SB-096SN-0001-SO	5/8/2008	1515	5/9/2008	1	0.005	0.034	0.43	ND	
LL2DB10-SB-096SN-0003-SO	5/8/2008	1515	5/9/2008	1	0.007	0.273	3.13	3.1	
LL2DB9-SS-055SN-0001-SO	5/8/2008	1610	5/9/2008	1	0.002	0.014	0.19	ND	
LL2DA5-SS-085SN-0001-SO	5/8/2008	1715	5/9/2008	1	0.001	0.011	0.22	ND	
LL2DB802-SS-001SN-0001-SO	5/8/2008	1640	5/9/2008	1	0.000	0.004	0.12	ND	
LL2DB802-SS-001SN-0001-SO-DUP	5/8/2008	1640	5/9/2008	1	0.001	0.003	-0.03	ND	
LL2DB27B-SS-067SN-0001-SO	5/9/2008	1100	5/9/2008	1	0.005	0.010	-0.31	ND	
LL2DB10-SCREEN 1	5/16/2008	1410	5/21/2008		0.002	0.889	2727.55	2727.6	4
LL2DB10-SCREEN 2	5/16/2008	1416	5/21/2008		0.013	3.356			4
LL2DB10-SCREEN 2 DL1 LL2DB10-SCREEN 2 DL2	5/16/2008 5/16/2008	1416 1416	5/21/2008 5/21/2008		0.001	1.139 0.550	3380.80	3380.8	4
LL2DB10-SCREEN 2 DL2 LL2DB10-SCREEN 3	5/16/2008	1416	5/21/2008		0.001	1.578	3300.00	3300.0	-
LL2DB10-SCREEN 3 DL	5/16/2008	1425	5/21/2008		0.004	0.769	4712.07	4712.1	Samples taken after product
LL2DB10-SCREEN 3 DUP	5/16/2008	1425	5/21/2008		0.002	1.556			removed. Between DB-10
LL2DB10-SCREEN 3 DUP DL	5/16/2008	1425	5/21/2008		0.002	0.696	4260.06	4260.1	and DB-10VP2
LL2DB10-SB-095SN-0001-SO	5/21/2008	1115	5/22/2008		0.002	0.005	-0.09	ND	
LL2DB10-SB-095SN-0002-SO	5/21/2008	1115	5/22/2008	1	0.001	0.004	0.00	ND	

								TNT Conc.	
								(ppm) (Cleanup	
	Date	Time						Level:	
Sample ID	Collected	Collected	Date Tested	DF	Abs <sub>"initial"</sub>	Abs <sub>"sample"</sub>	Result	1646 ppm)	Comments
LL2DB10-SB-095SN-0003-SO	5/21/2008	1115	5/22/2008	1	0.003	0.005	-0.22	ND	ooninients
LL2DB10-SB-097SN-0001-SO	5/21/2008	1145	5/22/2008	1	0.003	0.009	-0.22	ND	
LL2DB10-SB-097SN-0002-SO	5/21/2008	1145	5/22/2008	1	0.003	0.005	-0.22	ND	
LL2DB4A-SB-024SN-0001-SO	5/21/2008	1200	5/22/2008	1	0.008	0.016	-0.50	ND	
LL2DB4A-SB-024SN-0002-SO	5/21/2008	1200	5/22/2008	1	0.004	0.008	-0.25	ND	
LL2DB4A-SB-024SN-0003-SO	5/21/2008	1200	5/22/2008	1	0.006	0.008	-0.50	ND	
LL2DB4A-SB-024SN-0004-SO	5/21/2008	1200	5/22/2008	1	0.003	0.004	-0.25	ND	
LL2DB4A-SB-024SN-0005-SO	5/21/2008	1200	5/22/2008	1	0.008	0.009	-0.71	ND	
LL2DB4A-SB-025SN-0001-SO	5/21/2008	1645	5/22/2008	1	0.000	0.005	0.15	ND	
LL2DB4A-SB-025SN-0002-SO	5/21/2008	1645	5/22/2008	1	0.000	0.001	0.03	ND	
LL2DB4A-SB-025SN-0003-SO	5/21/2008	1645	5/22/2008	1	0.000	0.002	0.06	ND	
LL2DB4A-SB-025SN-0004-SO	5/21/2008	1645	5/22/2008	1	0.000	0.001	0.03	ND	
LL2DB4A-SB-025SN-0005-SO	5/21/2008	1645	5/22/2008	1	0.000	0.021	0.65	ND	
LL2DB4A-SB-026SN-0001-SO	5/21/2008	1630	5/22/2008	1	0.038	0.167	0.46	ND	
LL2DB4A-SB-026SN-0002-SO	5/21/2008	1630	5/22/2008	1	0.010	0.030	-0.31	ND	
LL2DB4A-SB-026SN-0003-SO	5/21/2008	1630	5/22/2008	1	0.000	0.003	0.09	ND	
LL2DB4A-SB-026SN-0004-SO	5/21/2008	1630	5/22/2008	1	0.001	0.004	0.00	ND	
LL2DB4A-SB-026SN-0005-SO	5/21/2008	1630	5/22/2008	1	0.004	0.006	-0.31	ND	
LL2DB4A-SB-026SN-0001-SO DUP	5/21/2008	1630	5/22/2008	1	0.042	0.481	9.69	9.7	
LL2DB10-SB-098SN-0001-SO	5/22/2008	900	5/22/2008	1	0.005	0.041	0.65	ND	
LL2DB10-SB-098SN-0002-SO	5/22/2008	900	5/22/2008	1	0.003	0.033	0.65	ND	
LL2DB10-SB-098SN-0003-SO	5/22/2008	900	5/22/2008	1	0.001	0.004	0.00	ND	
LL2DB10-SB-098SN-0004-SO	5/22/2008	900	5/22/2008	1	0.002	0.004	-0.12	ND	
LL2DB10-SB-098SN-0005-SO	5/22/2008	900	5/22/2008	1	0.001	0.003	-0.03	ND	
LL2DB10-SB-099SN-0001-SO	5/22/2008	920	5/22/2008	1	0.004	0.017	0.03	ND	
LL2DB10-SB-099SN-0002-SO	5/22/2008	920	5/22/2008	1	0.004	0.015	-0.03	ND	
LL2DB10-SB-099SN-0003-SO	5/22/2008	920	5/22/2008	1	0.139	0.517	-1.21	ND	
LL2DB10-SB-099SN-0004-SO	5/22/2008	920	5/22/2008	1	0.052	0.363	4.80	4.8	
LL2DB10-SB-099SN-0005-SO	5/22/2008	920	5/22/2008	1	0.006	0.102	2.41	2.4	
LL2DB10-SB-100SN-0001-SO	5/22/2008	935	5/22/2008	1	0.026	0.309	6.35	6.3	
LL2DB10-SB-100SN-0002-SO	5/22/2008	935	5/22/2008	1	0.001	0.004	0.00	ND	
LL2DB10-SB-100SN-0003-SO	5/22/2008	935	5/22/2008	1	0.000	0.001	0.03	ND	
LL2DB10-SB-101SN-0001-SO	5/22/2008	945	5/22/2008	1	0.008	0.067	1.08	1.1	
LL2DB10-SB-101SN-0002-SO	5/22/2008	945	5/22/2008	1	0.000	0.003	0.09	ND ND	
LL2DB10-SB-101SN-0003-SO	5/22/2008	945	5/22/2008	1	0.000	0.002	0.06 -0.25	ND	
LL2DB10-SB-101SN-0004-SO LL2DB10-SB-101SN-0005-SO	5/22/2008 5/22/2008	945 945	5/22/2008 5/22/2008	1	0.004	0.008	-0.25	ND	
LL2DB10-SB-102SN-0001-SO	5/22/2008	1000	5/22/2008	1	0.001	0.003	-0.03	ND	
LL2DB10-SB-102SN-0001-SO	5/22/2008	1000	5/22/2008	1	0.003	0.018	-0.12	ND	
LL2DB10-SB-102SN-0002-SO	5/22/2008	1000	5/22/2008	1	0.002	0.004	-0.12	ND	
LL2DB10-SB-102SN-0003-SO DUP	5/22/2008	935	5/22/2008	1	0.002	0.005	-0.09	ND	
LL2DB10-SB-103SN-0001-SO	5/22/2008	1015	5/22/2008	1	0.005	0.006	-0.48	ND	
LL2DB10-SB-103SN-0002-SO	5/22/2008	1015	5/22/2008		0.007	0.009	-0.59	ND	
LL2DB10-SB-103SN-0003-SO	5/22/2008	1015	5/22/2008	1	0.003	0.011	-0.03	ND	
LL2DB4-SB-038SN-0001-SO	5/22/2008	1150	5/22/2008	1	0.000	0.005	0.15	ND	
LL2DB4-SB-038SN-0002-SO	5/22/2008	1150	5/22/2008	1	0.000	0.001	0.03	ND	
LL2DB4-SB-038SN-0003-SO	5/22/2008	1150	5/22/2008	1	0.006	0.039	0.46	ND	
LL2DB4-SB-038SN-0004-SO	5/22/2008	1150	5/22/2008	1	0.062	0.155	-2.88	ND	
LL2DB4-SB-038SN-0005-SO	5/22/2008	1150	5/22/2008	1	0.024	0.156	1.86	1.9	
LL2DB4VP1-SS-087SN-0001-SO	5/22/2008	1100	5/22/2008	1	0.004	0.016	0.00	ND	
LL2DB30-SS-104SN-0001-SO	5/22/2008	1115	5/22/2008	1	0.007	0.029	0.03	ND	
LL2DB4-SB-038SN-0002-SO DUP	5/22/2008	1150	5/22/2008	1	0.000	0.001	0.03	ND	

APPENDIX E-2 RDX Results

Sample ID         Collected         Dellected         Date         Result         838 gpm         Comments           L4465-58 0015N-0001-SO         3142008         14.30         3142008         1         0.012         0.09         ND           L4305-58 0015N-0001-SO         3212008         11.60         3212008         1         0.016         1.6           L2094-58 0015N-0001-SO         3212008         11.60         3212008         1         0.016         0.004         ND           L2094-58 0015N-0002-SO         3212008         11.60         3212008         1         0.016         0.009         ND           L38E10-S5 0015N-0002-SO         3212008         11.60         3212008         1         0.016         0.009         ND           L38E10-S5 0015N-0012-SO         3212008         10.011         3212008         1         0.011         0.18         ND           L38E10-S5 0015N-0012-SO         3212008         14.001         0.018         ND         1         0.011         0.018         ND           L38E10-S5 0015N-0012-SO         3212008         14.001         0.016         0.018         ND         1         0.011         0.018         1         0.011         0.018         1         0.0								RDX Conc. (ppm)	
Lu4Gs SS, 0018 N-001 -SO_UP         9142008         14.30         31/42008         1         0.012         0.09         ND           L12D84 SS, 0018 N-001 -SO_UP         31/12008         1         0.049         1.58         1.6           L12D84 SS, 0018 N-002 -SO         32/12008         1         0.049         1.58         1.6           L12D84 SS, 0018 N-002 -SO         32/12008         1         0.015         0.044         ND           L12D84 SS, 0018 N-002 -SO         32/12008         1         0.016         0.049         ND           L12D84 SS, 0018 N-002 -SO         32/12008         1         0.016         0.049         ND           L13B81 SS, 0018 N-002 -SO         32/12008         1         0.016         0.18         ND           L13B81 SS, 0028 N-001 -SO         32/12008         1         0.016         0.18         ND           L13B81 SS, 0028 N-001 -SO         32/12008         1         0.016         0.18         ND           L13B81 SS, 0028 N-001 -SO         32/12008         1         0.026         0.22         ND           L13B81 SS, 0028 N-001 -SO         32/12008         1         0.016         0.018         ND           L143B8 N-0028 N-001 -SO         32/12008         1 <th>Sample ID</th> <th>Date</th> <th>Time</th> <th>Data Tastad</th> <th>DE</th> <th>Aho</th> <th>Beault</th> <th>(Cleanup Level:</th> <th>Commonto</th>	Sample ID	Date	Time	Data Tastad	DE	Aho	Beault	(Cleanup Level:	Commonto
L4G5-S301SN-0001-SO-DUP         31/42008         1         0.012         0.09         ND           L2D84-S501SN-0001-SO         321/2008         11.06         327/2008         1         0.044         ND           L2D84-S501SN-0002-SO         321/2008         11.06         327/2008         1         0.046         1.04         ND           L2D84-S501SN-0002-SO         321/2008         11.00         327/2008         1         0.017         0.044         ND           L2D84-S501SN-0002-SO         321/2008         10.013         327/2008         1         0.012         0.040         ND           L3E810-S501SN-0002-SO         321/2008         10.013         0.013         0.042         ND           L3E810-S5003SN-0001-SO         321/2008         10.011         0.13         ND         L3E810-S5003SN-0001-SO         321/2008         10.011         0.13         ND           L3E810-S5003SN-0001-SO         321/2008         14.013         0.016         0.36         ND         L464-S500SN-001-SO         321/2008         14.014         0.010         ND           L4642-S5003SN-0001-SO         321/2008         15.03         321/2008         1<0.016         0.019         ND           L4642-S5003SN-0001-SO         321/2008									Comments
LizDet-Sevents         Sevents         Sevents         Sevents         Sevents         Sevents           LizDet-Sevents         Sevents         Sevents         Sevents         Sevents         ND           LizDet-Sevents         Sevents         Sevents         Sevents         ND         ND           LizDet-Sevents         Sevents         Sevents         ND         ND         ND           LizDet-Sevents         Sevents         Sevents         ND         ND         ND         ND           LizDet-Sevents         Sevents         Sevents         ND         ND         ND         ND         ND           LizDet-Sevents         Sevents         Sevents         ND         ND         ND         ND         ND         ND           LizBet-Sevents         Sevents         Sevents         ND         ND         ND         ND         ND         ND           LizBet-Sevents									
LizDek-Se-0028-N001-SO         321/2008         11-10         321/2008         1         0.023         0.406         ND           LizBel SS-0015N-001-SO         321/2008         10:15         321/2008         1         0.018         0.016         0.09         ND           LizBel TSS-0015N-001-SO         321/2008         10:18         321/2008         1         0.018         0.016         0.00         ND           LizBel TSS-1005N+001-SO         321/2008         10:18         321/2008         1         0.016         0.00         ND           LizBel TSS-1005N+001-SO         321/2008         10:20         321/2008         1         0.016         -0.38         ND           LizBel TSS-1005N+001-SO         321/2008         10:22         321/2008         1         0.016         -0.38         ND           LizGe TSS-105N+001-SO         321/2008         14:43         321/2008         1         0.014         0.00         ND           LizGe TSS-105N+001-SO         321/2008         15:15         321/2008         1         0.014         ND         Distale foright dust           LizGe TSS-105N+001-SO         321/2008         15:15         321/2008         1         0.014         ND         Distale foright dust <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Li2D8-L85-0028-N002-S0         321/2008         1113         321/2008         1         0.046         1.42         1.4           L3BE10-S5-0018-0002-S0         321/2008         1016         321/2008         1         0.016         0.09         ND           L3BE10-S5-0018-0002-S0         321/2008         1018         321/2008         1         0.018         0.00         0.02         ND           L3BE10-S5-0028-0001-S0         321/2008         10223         321/2008         1         0.010         -0.18         ND           L3BE10-S5-0028-0001-S0         321/2008         10223         321/2008         1         0.011         -0.13         ND           L428E10-S5-0038-0001-S0         321/2008         10223         321/2008         1         0.021         0.27         ND           L461128-56-1038-0001-S0         321/2008         1543         321/2008         1         0.021         0.27         ND         Sample ID corrected           L461129-1194         321/2008         1543         321/2008         1         0.022         ND         ND         L463-840045-0001-S0         321/2008         1515         321/2008         1         0.016         0.04         ND         L463-840045-0001-S0         321/2008	LL2DB4-SS-001SN-0002-SO	3/21/2008	11:08	3/21/2008	1	0.015	0.04	ND	
Lis8e1058.001584.001-SO         28/12008         10.16         32/12008         11         0.012         0.008         ND           Lis8e1054.001584.0022-SO-UP         32/12008         10.168         32/12008         11         0.007         0.022         ND           Lis8e1054.00154.0022-SO-UP         32/12008         10.203         32/12008         1         0.013         -0.044         ND           Lis8e1054.00254.00154.00         32/12008         10.223         32/12008         1         0.011         -0.13         ND           Lis8e1054.00254.00154.00         32/12008         10.223         32/12008         1         0.011         0.013         ND           Li467554.0164.00154.00         32/12008         14.253         32/12008         1         0.011         0.013         ND           Li467554.0164.00154.00         32/12008         15.153         32/12008         1         0.021         0.021         ND         Sample ID cornected           Li467554.0164.000153.00         32/12008         15.153         32/12008         1         0.016         0.04         ND           Li46858.0054.000153.00         32/12008         15.153         32/12008         1         0.016         0.04         ND	LL2DB4-SS-002SN-0001-SO	3/21/2008	11:10	3/21/2008	1	0.023	0.40	ND	
LisBerto SS-0018H-0002-SO         321/2008         10.18         321/2008         1         0.016         0.09         ND           LisBerto SS-0028H-001-SO         321/2008         10.23         321/2008         1         0.013         -0.04         ND           LisBerto SS-0028H-001-SO         321/2008         10.223         321/2008         1         0.011         -0.13         ND           LisBerto SS-0028H-001-SO         321/2008         10.223         321/2008         1         0.011         -0.13         ND           LisBerto SS-0028H-001-SO         321/2008         14.43         321/2008         1         0.011         0.010         ND           Li40458H-0038OU-SO         321/2008         14.43         321/2008         1         0.025         0.49         ND         Outside footprint/red dust           Li407-SS-0038H-0001-SO         321/2008         15.15         321/2008         1         0.035         0.44         ND         Outside footprint/red dust           Li408-SB-0048H-0001-SO         321/2008         15.15         321/2008         1         0.036         0.27         ND           Li408-SB-0048H-0002-SO         321/2008         15.15         321/2008         1         0.016         0.04 <td< td=""><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></td<>					1				
LiseBito-S8-001SN-0002-S0-DUP         V21/2008         10.2009         -0.22         ND           LiseBito-S8-002SN-001SO         V21/2008         10.2013         V21/2008         1         0.013         -0.04         ND           LisBito-S8-002SN-0001SO         V21/2008         10/25         3/21/2008         1         0.011         -0.18         ND           LisBito-S8-003SN-0001-SO         2/21/2008         10/25         3/21/2008         1         0.019         0.22         ND           Li464-S8-002SN-0001-SO         2/21/2008         14/40         3/21/2008         1         0.019         0.22         ND           Li461-S8-001SN-0001-SO         3/21/2008         14/55         3/21/2008         1         0.020         0.27         ND         Sample ID corrected           Li461-S8-004SN-0001-SO         3/21/2008         15/15         3/21/2008         1         0.020         0.27         ND         Sample ID corrected           Li461-S8-004SN-0001-SO         3/21/2008         15/15         3/21/2008         1         0.015         0.04         ND           Li462-S8-004SN-0001-SO         3/21/2008         15/30         3/21/2008         1         0.016         0.04         ND           Li462-S8-004SN-0001-SO </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
LiseBitoSS-0028N-0001-SO         327/2008         10.011         -0.04         ND           LiseBitoSS-0028N-0002-SO         327/2008         10.23         327/2008         1         0.010         -0.18         ND           LisBBitoSS-0028N-0001-SO         327/2008         10.25         327/2008         1         0.011         -0.13         ND           LisBBitoSS-0028N-0001-SO         327/2008         14.44         327/2008         1         0.014         0.00         ND           Li4G4:SS-0028N-0001-SO         327/2008         14.45         327/2008         1         0.014         0.00         ND           Li4G1:SS-016SN-001-SO         327/2008         16.43         327/2008         1         0.025         0.44         ND         Outside footprint/red dust           Li4G8-SB-004SN-0002-SO         327/2008         15.15         327/2008         1         0.031         0.76         ND           Li4G8-SB-004SN-0004-SO         327/2008         15.15         327/2008         1         0.031         0.76         ND           Li4G8-SB-004SN-0004-SO         327/2008         15.15         327/2008         1         0.015         0.44         ND           Li4G8-SB-004SN-0004-SO         327/2008         15.03 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
LiseBioSes.0028N.0003-SO         32712008         10.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.251         0.211         0.011         0.013         ND           L1467-SS-003SN-0001-SO         32712008         14.401         32712008         1         0.014         0.001         ND         Sample ID corrected           L14612-SS-016SN-0001-SO         32712008         1515         32712008         1         0.015         0.044         ND         Outside footprint'red dust           L1463-SB-004SN-0001-SO         32712008         1515         32712008         1         0.015         0.044         ND           L1463-SB-004SN-0003-SO         32712008         1515         32712008         1         0.016         0.08         ND           L1463-SB-004SN-0003-SO         32712008         1515         32712008         1         0.016         0.04         ND           L1463-SB-004SN-0003-SO         32712008         1530         32712008         1         0.017         0.031         0.76         ND         L1468-SB-005SN-0003-SO <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
LiseBioSe.0038N.0001-SO         32712008         10.28         19.2712008         1         0.011         -0.13         ND           LL464-SS.0025N.0001-SO         32712008         14.40         32712008         1         0.016         0.028         ND           LL467-SS.0035N.0001-SO         32712008         14.43         32712008         1         0.014         0.00         ND           LL461:SS.0165N.0011-SO         32712008         14.53         32712008         1         0.025         0.49         ND         Outside footprint/red dust           LL461:SS.0165N.0001-SO         32712008         15:15         32712008         1         0.015         0.04         ND         Outside footprint/red dust           LL468-SB.0045N.0002-SO         32712008         15:15         32712008         1         0.031         0.76         ND           LL468-SB.0045N.0004-SO         32712008         15:03         32712008         1         0.032         0.80         0.8           LL468-SB.005N.0004-SO         32712008         15:03         32712008         1         0.015         0.44         ND           LL468-SB.005N.0004-SO         32712008         15:03         32712008         1         0.016         0.49         ND									
LisBE10-S5-003SN-0002-SO         321/2008         10         0.006         -0.36         ND           LL4G4-S5-002SN-0001-SO         321/2008         14.40         321/2008         10         0.014         0.00         ND           LL4G7-S5-003SN-001-SO         321/2008         14.43         321/2008         10         0.027         ND         Sample ID corrected           LL4G12-S5-016SN-0001-SO         321/2008         15.43         321/2008         10         0.025         0.49         ND         Outside footprint/red dust.           LL4G3-S5-004SN-0001-SO         321/2008         15.15         321/2008         1         0.031         0.76         ND           LL4G3-S5-004SN-0002-SO         321/2008         15.15         321/2008         1         0.032         0.80         0.8           LL4G3-S5-004SN-0002-SO         321/2008         15.15         321/2008         1         0.031         0.76         ND           LL4G3-S5-004SN-0003-SO         321/2008         15.33         321/2008         1         0.031         0.76         ND           LL4G3-S5-005SN-0003-SO         321/2008         15.33         321/2008         1         0.014         0.00         ND           LL4G3-S5-005SN-0004-SO         32									
L1464 SS-0025N-001-SO 3212008 14:35 32127008 1 0.014 0.00 ND L1467 SS-0165N-001-SO 3212008 14:35 32127008 1 0.024 0.02 ND Sample ID corrected L14613291-SS-0165N-001-SO 32121008 15:40 32127008 1 0.025 0.49 ND C0uside footprint/red dust L1463 SB-045N-002-SO 32121008 15:15 32127008 1 0.031 0.076 ND L1463 SB-045N-002-SO 32121008 15:15 32127008 1 0.031 0.076 ND L1463 SB-045N-002-SO 32121008 15:15 32127008 1 0.031 0.076 ND L1463 SB-045N-002-SO 32121008 15:15 32127008 1 0.031 0.076 ND L1463 SB-045N-002-SO 32121008 15:15 32127008 1 0.031 0.076 ND L1463 SB-045N-002-SO 32121008 15:15 32127008 1 0.032 0.08 0.8 L1463 SB-045N-002-SO 32121008 15:15 32127008 1 0.032 0.08 0.8 L1463 SB-045N-002-SO 32121008 15:30 32127008 1 0.035 0.04 ND L1463 SB-0058N-0002-SO 32121008 15:30 32127008 1 0.015 0.04 ND L1463 SB-0058N-0002-SO 3212008 15:30 32127008 1 0.015 0.04 ND L1463 SB-0058N-0002-SO 3212008 15:30 32127008 1 0.014 0.012 ND L1463 SB-0058N-0002-SO 3212008 15:30 32127008 1 0.014 0.012 ND L1463 SB-0058N-0002-SO 3212008 15:30 32127008 1 0.014 0.012 ND L1463 SB-0058N-0002-SO 3212008 15:30 3242008 1 0.017 0.013 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.017 0.013 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.017 0.13 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.00 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.04 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.04 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.04 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.04 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3212008 15:50 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3212008 15:30 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3212008 15:30 3242008 1 0.014 0.01 ND L1463 SB-0058N-0002-SO 3									
L467:SS-033N-001-SQ         321/2008         1         0.014         0.00         ND           L461:SS-0168N-001-SQ         321/2008         1         0.025         0.49         ND         Ourside foopmin/red dust           L461:SS-0175N-001-SQ         321/2008         1         0.025         0.49         ND         Ourside foopmin/red dust           L463:SB-0045N-001-SQ         321/2008         1         0.015         0.041         ND           L463:SB-0045N-002-SQ         321/2008         1         0.031         0.76         ND           L463:SB-0045N+002-SQ         321/2008         1         0.031         0.76         ND           L463:SB-0045N+004-SQ         321/2008         1         0.031         0.76         ND           L463:SB-005SN+003-SQ         321/2008         1         0.015         0.041         ND           L463:SB-005SN+003-SQ         321/2008         1         0.015         0.041         ND           L468:SB-005SN+003-SQ         321/2008         1         0.014         0.00         ND           L469:SB-005SN+003-SQ         321/2008         1         0.014         0.01         ND           L469:SB-005SN+0003-SQ         321/2008         1         0.016									
Ludd:S8-0045N-0001-SO         32/1/2008         15.10         32/1/2008         1         0.025         0.49         ND         Outside footprint/red dust           Ludd:S8-8045N-0001-SO         32/1/2008         15.15         32/1/2008         1         0.031         0.76         ND           Ludd:S8-8045N-0002-SO         32/1/2008         15.15         32/1/2008         1         0.032         0.80         0.8           Ludd:S8-8045N-0004-SO         32/1/2008         15.15         32/1/2008         1         0.032         0.80         0.8           Ludd:S8-8045N-0004-SO         32/1/2008         15.15         32/1/2008         1         0.032         0.80         0.8           Ludd:S8-8045N-0004-SO         32/1/2008         15.30         32/1/2008         1         0.015         0.44         ND           Ludd:S8-8045N-0004-SO         32/1/2008         15.30         32/1/2008         1         0.016         0.00         ND           Ludd:S8-8045N-0004-SO         32/1/2008         15.50         32/2/2008         1         0.017         0.13         ND           Ludd:S8-8045N-0004-SO         32/1/2008         15.50         32/2/2008         1         0.014         0.00         ND           Ludd:							-		
Ludas-B8-045N-0001-SO         32/1/2008         15.15         32/1/2008         1         0.015         0.04         ND           Ludas-B8-045N-0002-SO         32/1/2008         15.15         32/1/2008         1         0.031         0.76         ND           Ludas-B8-045N-0004-SO         32/1/2008         15.15         32/1/2008         1         0.032         0.80         0.8           Ludas-B8-045N-0005-SO         32/1/2008         15.15         32/1/2008         1         0.015         0.044         ND           Ludas-B8-05SN-0002-SO         32/1/2008         15.30         32/1/2008         1         0.015         0.044         ND           Ludas-B8-06SN-0002-SO         32/1/2008         15.30         32/1/2008         1         0.016         0.016         ND           Ludas-B8-06SN-0002-SO         32/1/2008         15.30         32/1/2008         1         0.017         0.13         ND           Ludas-B8-06SN-0002-SO         32/1/2008         15.50         32/4/2008         1         0.017         0.13         ND           Ludas-B8-06SN-0002-SO         32/1/2008         15.50         32/4/2008         1         0.014         0.00         ND           Ludas-B8-007SN-0002-SO         32/1/200	LL4G12-SS-016SN-0001-SO	3/21/2008	14:58	3/21/2008	1	0.020	0.27	ND	Sample ID corrected
LL468-88-0048N-0002-SO         32/1/2008         15:15         32/1/2008         1         0.031         0.76         ND           LL468-88-0048N-0004-SO         32/1/2008         15:15         32/1/2008         1         0.061         0.099         ND           LL468-88-0058N-0001-SO         32/1/2008         15:15         32/1/2008         1         0.015         0.04         ND           LL468-88-0058N-0001-SO         32/1/2008         15:30         32/1/2008         1         0.015         0.04         ND           LL468-88-0058N-0001-SO         32/1/2008         15:30         32/1/2008         1         0.014         0.001         ND           LL468-88-0058N-0001-SO         32/1/2008         15:30         32/1/2008         1         0.014         0.00         ND           LL468-88-0058N-0001-SO         32/1/2008         15:50         3/2/4/2008         1         0.018         0.18         ND           LL463-88-0058N-0002-SO         32/1/2008         15:50         3/2/4/2008         1         0.014         0.00         ND           LL463-88-0058N-0002-SO         32/1/2008         15:50         3/2/4/2008         1         0.016         0.018         ND           LL463-88-0058N-0002-SO         <						0.025			Outside footprint/red dust
L4468-89-004SN-0003-SC         3/21/2008         15:15         3/21/2008         1         0.016         0.09         ND           L4468-89-004SN-0004S-SC         3/21/2008         15:15         3/21/2008         1         0.023         0.80         0.88           L4468-89-004SN-0004S-SC         3/21/2008         15:30         3/21/2008         1         0.015         0.04         ND           L4468-89-005SN-0004S-SC         3/21/2008         15:30         3/21/2008         1         0.015         0.04         ND           L4468-89-005SN-0004S-SC         3/21/2008         15:30         3/21/2008         1         0.016         0.04         ND           L4468-89-005SN-0004S-SC         3/21/2008         15:50         3/24/2008         1         0.017         0.13         ND           L4468-89-005SN-0004S-SC         3/21/2008         15:50         3/24/2008         1         0.018         0.014         ND           L4468-89-005SN-0004S-SC         3/21/2008         15:50         3/24/2008         1         0.014         ND         1         0.048         ND           L4468-89-005SN-0004-SC         3/21/2008         16:55         3/24/2008         1         0.011         0.018         ND									
L448-88-004SN-0004-SO         321/2008         15:15         321/2008         1         0.032         0.80         0.8           L4468-88-004SN-0005-SO         321/2008         15:30         321/2008         1         0.006         -0.27         ND           L4468-88-005SN-0002-SO         321/2008         15:30         321/2008         1         0.015         0.04         ND           L4468-88-005SN-0003-SO         321/2008         15:30         321/2008         1         0.015         0.04         ND           L4468-88-005SN-0003-SO         321/2008         15:30         321/2008         1         0.016         0.18         ND           L4468-88-005SN-0003-SO         321/2008         15:50         324/2008         1         0.018         ND           L4468-88-005SN-0003-SO         321/2008         15:50         324/2008         1         0.014         0.04         ND           L4468-88-005SN-0003-SO         321/2008         15:50         324/2008         1         0.014         0.04         ND           L4468-88-007SN-0003-SO         321/2008         16:53         324/2008         1         0.016         0.09         ND           L4468-88-007SN-0003-SO         321/2008         16:53									
L468-89-004SN-0005-SO         3/21/2008         15:15         3/21/2008         1         0.008         -0.27         ND           L466-88-005SN-0010-SO         3/21/2008         15:30         3/21/2008         1         0.015         0.04         ND           L468-88-005SN-0003-SO         3/21/2008         15:30         3/21/2008         1         0.015         0.04         ND           L448-88-005SN-0004-SO         3/21/2008         15:30         3/21/2008         1         0.014         0.00         ND           L443-88-005SN-0005-SO         3/21/2008         15:50         3/24/2008         1         0.018         0.018         ND           L443-88-005SN-0004-SO         3/21/2008         15:50         3/24/2008         1         0.013         -0.04         ND           L443-88-005SN-0004-SO         3/21/2008         15:50         3/24/2008         1         0.014         ND         ND           L4468-88-005SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.018         ND           L4468-88-007SN-0001-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           L4468-88-007SN-0001-SO         3/21/2008         18:1									
L1468-88-005SN-0001-SO         3/21/2008         15:30         3/21/2008         1         0.015         0.04         ND           L1468-88-005SN-0003-SO         3/21/2008         15:30         3/21/2008         1         0.015         0.04         ND           L1468-88-005SN-0003-SO         3/21/2008         15:30         3/21/2008         1         0.014         ND           L1468-88-005SN-0003-SO         3/21/2008         15:30         3/21/2008         1         0.014         ND           L1468-S8-005SN-0003-SO         3/21/2008         15:50         3/24/2008         1         0.018         ND           L1468-S8-005SN-0003-SO         3/21/2008         15:50         3/24/2008         1         0.014         ND           L1468-S8-005SN-0003-SO         3/21/2008         15:50         3/24/2008         1         0.014         ND           L1468-S8-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.018         ND           L1468-S8-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.016         ND           L1468-S8-007SN-0003-SO         3/21/2008         18:15         3/24/2008         1         0.016         ND <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
L146esB-005SN-0002-SO         3/21/2008         15:30         3/21/2008         1         0.031         0.76         ND           L146esB-005SN-0004-SO         3/21/2008         15:30         3/21/2008         1         0.014         ND           L146esB-005SN-0004-SO         3/21/2008         15:30         3/21/2008         1         0.014         ND           L146esB-005SN-0005-SO         3/21/2008         15:50         3/24/2008         1         0.018         ND           L146esB-005N-0003-SO         3/21/2008         15:50         3/24/2008         1         0.017         0.13         ND           L146esB-005N-0003-SO         3/21/2008         15:50         3/24/2008         1         0.014         ND         ND           L146esB-005N-0004-SO         3/21/2008         15:50         3/24/2008         1         0.014         ND         ND           L146esB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.018         ND           L146esB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           L146esB-3007SN-0005-SO         3/21/2008         18:15         3/24/2008         1         0.017									
L1468-88-005SN-0003-SC0         3/21/2008         15:30         3/21/2008         1         0.015         0.04         ND           L1468-88-005SN-0004-SC0         3/21/2008         15:30         3/21/2008         1         0.014         0.00         ND           L1468-88-006SN-0002-SC0         3/21/2008         15:50         3/24/2008         1         0.017         0.18         ND           L1468-S8-006SN-0002-SC0         3/21/2008         15:50         3/24/2008         1         0.017         0.13         ND           L1468-S8-006SN-0003-SC0         3/21/2008         15:50         3/24/2008         1         0.014         0.00         ND           L1468-S8-006SN-0005-SC0         3/21/2008         15:50         3/24/2008         1         0.018         0.18         ND           L1468-S8-007SN-0002-SC0         3/21/2008         18:15         3/24/2008         1         0.018         0.018         ND           L1468-S8-007SN-0002-SC0         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           L1468-S8-007SN-0002-SC0         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           L1468-S8-007SN-0002-SC0									
L1468-88-005SN-0004-SO         3/21/2008         15:30         3/21/2008         1         0.012         0.00         ND           L468-88-006SN-0005-SO         3/21/2008         15:50         3/24/2008         1         0.012         0.00         ND           L468-88-006SN-0002-SO         3/21/2008         15:50         3/24/2008         1         0.017         0.13         ND           L468-S8-006SN-0002-SO         3/21/2008         15:50         3/24/2008         1         0.013         -0.04         ND           L468-S8-006SN-0004-SO         3/21/2008         15:50         3/24/2008         1         0.014         0.00         ND           L469-S8-006SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.018         ND           L469-S8-007SN-0003-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           L469-S8-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           L469-S8-005SN-001-SO         3/21/2008         16:30         3/24/2008         1         0.011         -0.13         ND           L469-S8-005SN-001-SO         3/21/2008         16:30 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
L1468-8B-005SN-0005-SC         3/21/2008         15:30         3/21/2008         1         0.012         0.09         ND           L468-8B-006SN-0012-SC         3/21/2008         15:50         3/24/2008         1         0.017         0.13         ND           L468-8B-006SN-0002-SC         3/21/2008         15:50         3/24/2008         1         0.017         0.13         ND           L468-SB-006SN-0004-SC         3/21/2008         15:50         3/24/2008         1         0.014         0.00         ND           L468-SB-005SN-0004-SC         3/21/2008         15:50         3/24/2008         1         0.014         0.04         ND           L468-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.018         0.018         ND           L468-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           L468-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.016         -0.48         ND           L468-SB-008SN-0001-SC         3/21/2008         16:30         3/24/2008         1         0.016         -0.49         ND           L468-SB-008SN-0001-SC         3/21/2008									
LL4G8-SB-006SN-0001-SO         3/21/2008         15:50         3/24/2008         1         0.018         ND           LL4G8-SB-006SN-0002-SO         3/21/2008         15:50         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-006SN-0002-SO         3/21/2008         15:50         3/24/2008         1         0.014         0.004         ND           LL4G8-SB-006SN-0003-SO         3/21/2008         15:50         3/24/2008         1         0.014         0.04         ND           LL4G8-SB-007SN-0001-SO         3/21/2008         18:15         3/24/2008         1         0.014         0.044         ND           LL4G8-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-007SN-0002-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.049         ND           LL4G8-SB-005SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.014         ND           LL4G8-SB-005SN-0001-SO         3/21/2008									
LL4G8-SB-006SN-0002-SC         3/21/2008         15:50         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-006SN-0004-SC         3/21/2008         15:50         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-006SN-0005-SC         3/21/2008         15:50         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-007SN-0001-SC         3/21/2008         18:15         3/24/2008         1         0.018         0.18         ND           LL4G8-SB-007SN-0002-SC         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-007SN-0004-SC         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-007SN-0004-SC         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0001-SC         3/21/2008         16:30         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-008SN-0003-SC         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0003-SC					1	0.018	0.18	ND	
LL4G8-SB-006SN-0004-SO         3/21/2008         15:50         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-006SN-0005-SO         3/21/2008         18:15         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-007SN-0001-SO         3/21/2008         18:15         3/24/2008         1         0.018         ND           LL4G8-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-007SN-0003-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0004-SO         3/21/2008		3/21/2008	15:50	3/24/2008	1	0.017	0.13	ND	
L1438-SB-006SN-0005-SO         3/21/2008         15:50         3/24/2008         1         0.004         -0.44         ND           L1438-SB-007SN-0001-SO         3/21/2008         18:15         3/24/2008         1         0.018         0.18         ND           L1438-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           L1438-SB-007SN-0005-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           L1436-SB-005SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.003         -0.49         ND           L1436-SB-008SN-0001-SO         3/21/2008         18:30         3/24/2008         1         0.013         -0.49         ND           L1436-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           L1436-SB-008SN-0002-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           L1436-SB-008SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.014         ND         ND           L1436-SB-008SN-0002-SO         3	LL4G8-SB-006SN-0003-SO		15:50	3/24/2008	1	0.013	-0.04	ND	
L4G8-SB-007SN-0001-SO         3/21/2008         18:15         3/24/2008         1         0.018         0.18         ND           L4G8-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.019         0.22         ND           L4G8-SB-007SN-0003-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           L4G8-SB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.007         0.13         ND           L4G8-SB-008SN-0001-SO         3/21/2008         18:30         3/24/2008         1         0.013         -0.04         ND           L4G8-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           L4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           L4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           L4G8-SB-008SN-0002-SO         3/21/2008         16:34         3/24/2008         1         0.016         0.09         ND           L4G8-SB-009SN-0002-SO         3/21/2008 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
LL4G8-SB-007SN-0002-SO         3/21/2008         18:15         3/24/2008         1         0.019         0.22         ND           LL4G8-SB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-007SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0001-SO         3/21/2008         16:45         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO									
LL4G8-SB-007SN-0003-SO         3/21/2008         18:15         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-007SN-0005-SO         3/21/2008         16:30         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-008SN-0001-SO-DUP         3/21/2008         16:30         3/24/2008         1         0.011         -0.18         ND           LL4G8-SB-008SN-0002-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0002-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0002-SO									
LL4G8-SB-007SN-0004-SO         3/21/2008         18:15         3/24/2008         1         0.017         0.13         ND           LL4G8-SB-007SN-0005-SO         3/21/2008         18:15         3/24/2008         1         0.001         -0.49         ND           LL4G8-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.011         -0.18         ND           LL4G8-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0001-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO									
LL4G8-SB-007SN-0005-SO         3/21/2008         18:15         3/24/2008         1         0.003         -0.49         ND           LL4G8-SB-008SN-0001-SO-DUP         3/21/2008         16:30         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-008SN-0001-SO-DUP         3/21/2008         16:30         3/24/2008         1         0.011         -0.04         ND           LL4G8-SB-008SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.014         .004         ND           LL4G8-SB-008SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0004-SO									
LL4G8-SB-008SN-0001-SO         3/21/2008         16:30         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-008SN-0001-SO-DUP         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0002-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0005-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO									
LL4G8-SB-008SN-0001-SO-DUP         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0002-SO         3/21/2008         16:30         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-008SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:30         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0001-SO									
LL4G8-SB-008SN-0002-SO         3/21/2008         16:30         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-008SN-0003-SO         3/21/2008         16:30         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-008SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-009SN-0001-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0003-SO									
LL4G8-SB-008SN-0004-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3					1	0.011	-0.13	ND	
LL4G8-SB-008SN-0005-SO         3/21/2008         16:30         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0001-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3	LL4G8-SB-008SN-0003-SO		16:30	3/24/2008	1	0.013	-0.04	ND	
LL4G8-SB-009SN-0001-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0005-SO         3/21/2008         17:20         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0002-SO         3	LL4G8-SB-008SN-0004-SO	3/21/2008	16:30	3/24/2008	1	0.014	0.00	ND	
LL4G8-SB-009SN-0002-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0002-SO         3									
LL4G8-SB-009SN-0003-SO         3/21/2008         16:45         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0003-SO					1				
LL4G8-SB-009SN-0004-SO         3/21/2008         16:45         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO <t< td=""><td></td><td>3/21/2008</td><td></td><td>3/24/2008</td><td>1</td><td></td><td></td><td></td><td></td></t<>		3/21/2008		3/24/2008	1				
LL4G8-SB-009SN-0005-SO         3/21/2008         16:45         3/24/2008         1         0.015         0.04         ND           LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0005-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0003-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-012SN-0001-SO         <									
LL4G8-SB-010SN-0001-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0005-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0005-SO         3/21/2008         17:20         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-012SN-0001-SO         <									
LL4G8-SB-010SN-0002-SO         3/21/2008         17:05         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.000         ND           LL4G8-SB-010SN-0005-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.000         ND           LL4G8-SB-011SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.012         2.58         2.6           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.012         ND           LL4G8-SB-011SN-0003-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008									
LL4G8-SB-010SN-0003-SO         3/21/2008         17:05         3/24/2008         1         0.010         -0.18         ND           LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0005-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.012         2.58         2.6           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-012SN-0002-SO         <									
LL4G8-SB-010SN-0004-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-010SN-0005-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.012         2.58         2.6           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.012         ND           LL4G8-SB-011SN-0003-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008									
LL4G8-SB-010SN-0005-SO         3/21/2008         17:05         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-011SN-0001-SO         3/21/2008         17:20         3/24/2008         1         0.072         2.58         2.6           LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0003-SO         3/21/2008         17:20         3/24/2008         1         0.012         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008									
LL4G8-SB-011SN-0002-SO         3/21/2008         17:20         3/24/2008         1         0.011         -0.13         ND           LL4G8-SB-011SN-0003-SO         3/21/2008         17:20         3/24/2008         1         0.009         -0.22         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.09         ND           LL4G8-SB-011SN-0005-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0004-SO									
LL4G8-SB-011SN-0003-SO         3/21/2008         17:20         3/24/2008         1         0.009         -0.22         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0005-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.015         0.04         ND	LL4G8-SB-011SN-0001-SO	3/21/2008		3/24/2008	1	0.072	2.58	2.6	
LL4G8-SB-011SN-0004-SO         3/21/2008         17:20         3/24/2008         1         0.012         -0.09         ND           LL4G8-SB-011SN-0005-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.015         0.04         ND									
LL4G8-SB-011SN-0005-SO         3/21/2008         17:20         3/24/2008         1         0.013         -0.04         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0004-SO         3/21/2008         18:35         3/24/2008         1         0.015         0.04         ND									
LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.016         0.09         ND           LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.015         0.04         ND									
LL4G8-SB-012SN-0001-SO         3/21/2008         18:35         3/24/2008         1         0.014         0.00         ND           LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0004-SO         3/21/2008         18:35         3/24/2008         1         0.015         0.04         ND									
LL4G8-SB-012SN-0002-SO         3/21/2008         18:35         3/24/2008         1         0.004         -0.44         ND           LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0004-SO         3/21/2008         18:35         3/24/2008         1         0.015         0.04         ND									
LL4G8-SB-012SN-0003-SO         3/21/2008         18:35         3/24/2008         1         0.008         -0.27         ND           LL4G8-SB-012SN-0004-SO         3/21/2008         18:35         3/24/2008         1         0.015         0.04         ND									
LL4G8-SB-012SN-0004-SO 3/21/2008 18:35 3/24/2008 1 0.015 0.04 ND									
ILL4G8-SB-012SN-0005-SO  3/21/2008  18:35  3/24/2008   1   0.001   -0.58   ND	LL4G8-SB-012SN-0005-SO	3/21/2008	18:35	3/24/2008	1	0.001	-0.58	ND	

	Date	Time					RDX Conc. (ppm) (Cleanup Level:	
Sample ID	Collected	Collected	Date Tested		Abs	Result	838 ppm)	Comments
LL4G8-SB-013SN-0001-SO LL4G8-SB-013SN-0002-SO	3/21/2008 3/21/2008	17:25 17:25	3/24/2008 3/24/2008	1	0.007	-0.31 0.04	ND ND	
LL4G8-SB-013SN-0002-SO	3/21/2008	17:25	3/24/2008	1	0.013	-0.04	ND	
LL4G8-SB-013SN-0004-SO	3/21/2008	17:25	3/24/2008	1	0.010	-0.18	ND	
LL4G8-SB-013SN-0005-SO	3/21/2008	17:25	3/24/2008	1	0.013	-0.04	ND	
LL4G8-SB-014SN-0001-SO	3/21/2008	18:25	3/24/2008	1	0.011	-0.13	ND	
LL4G8-SB-014SN-0002-SO	3/21/2008	18:25	3/24/2008	1	0.012	-0.09	ND	
LL4G8-SB-014SN-0003-SO	3/21/2008	18:25	3/24/2008	1	0.012	-0.09	ND	
LL4G8-SB-014SN-0004-SO	3/21/2008	18:25	3/24/2008	1	0.015	0.04	ND	
LL4G8-SB-014SN-0005-SO	3/21/2008	18:25	3/24/2008	1	0.018	0.18	ND	
LL4G8-SB-015SN-0001-SO	3/21/2008	18:00	3/24/2008	1	0.017	0.13	ND	
LL4G8-SB-015SN-0001-SO-DUP	3/21/2008	18:00	3/24/2008	1	0.017	0.13	ND	
LL4G8-SB-015SN-0002-SO LL4G8-SB-015SN-0003-SO	3/21/2008 3/21/2008	18:00 18:00	3/24/2008 3/24/2008	1	0.014	0.00	ND ND	
LL4G8-SB-015SN-0003-SO LL4G8-SB-015SN-0004-SO	3/21/2008	18:00	3/24/2008	1	0.007	-0.13	ND	
LL4G8-SB-015SN-0004-SO	3/21/2008	18:00	3/24/2008	1	0.007	-0.31	ND	
LL4G9-SB-033SN-0001-SO	3/28/2008	1010	3/28/2008	1	0.016	0.09	ND	
LL4G9-SB-033SN-0002-SO	3/28/2008	1010	3/28/2008	1	0.010	0.00	ND	
LL4G9-SB-033SN-0003-SO	3/28/2008	1010	3/28/2008	1	0.014	0.00	ND	
LL4G9-SB-033SN-0004-SO	3/28/2008	1010	3/28/2008	1	0.016	0.09	ND	
LL4G9-SB-033SN-0005-SO	3/28/2008	1010	3/28/2008	1	0.017	0.13	ND	
LL4G9-SB-034SN-0001-SO	3/28/2008	1000	3/28/2008	1	0.017	0.13	ND	
LL4G9-SB-034SN-0002-SO	3/28/2008	1000	3/28/2008	1	0.013	-0.04	ND	
LL4G9-SB-034SN-0003-SO	3/28/2008	1000	3/28/2008	1	0.017	0.13	ND	
LL4G9-SB-034SN-0004-SO	3/28/2008	1000	3/28/2008	1	0.016	0.09	ND	
LL4G9-SB-034SN-0005-SO LL4G11-SS-023SN-0001-SO	3/28/2008	1000	3/28/2008	1	0.016	0.09	ND	
LL4G11-SS-023SN-0001-SO LL4G13A-SS-019SN-0001-SO	3/28/2008 3/28/2008	1058 1230	3/28/2008 3/28/2008	1	0.013 0.010	-0.04	ND ND	
LL4G13V2-SS-030SN-0001-SO	3/28/2008	1223	3/28/2008	1	0.010	-0.18	ND	
LL4G17-SS-026SN-0001-SO	3/28/2008	1150	3/28/2008	1	0.009	-0.22	ND	
LL4G13-SS-020SN-0001-SO	3/28/2008	1240	3/28/2008	1	0.009	-0.22	ND	
LL4G15-SB-031SN-0001-SO	3/28/2008	1137	3/28/2008	1	0.011	-0.13	ND	Sample ID corrected
LL4G15-SB-031SN-0002-SO	3/28/2008	1137	3/28/2008	1	0.013	-0.04	ND	Sample ID corrected
LL4G15-SB-031SN-0003-SO	3/28/2008	1137	3/28/2008	1	0.013	-0.04	ND	Sample ID corrected
LL4G15-SB-031SN-0004-SO	3/28/2008	1137	3/28/2008	1	0.011	-0.13	ND	Sample ID corrected
LL4G15-SB-031SN-0005-SO	3/28/2008	1137	3/28/2008	1	0.009	-0.22	ND	Sample ID corrected
LL4G15-SB-032SN-0001-SO	3/28/2008	1147	3/28/2008	1	0.016	0.09	ND	Sample ID corrected
LL4G15-SB-032SN-0002-SO	3/28/2008	1147 1147	3/28/2008 3/28/2008	1	0.015	0.04 0.09	ND ND	Sample ID corrected
LL4G15-SB-032SN-0003-SO LL4G15-SB-032SN-0004-SO	3/28/2008 3/28/2008	1147	3/28/2008	1	0.016	0.09	ND	Sample ID corrected Sample ID corrected
LL4G15-SB-032SN-0005-SO	3/28/2008	1147	3/28/2008	1	0.014	0.00	ND	Sample ID corrected
LL4G15-SB-032SN-0005-SO-DUP	3/28/2008	1147	3/28/2008	1	0.009	-0.22	ND	Sample ID corrected
EB4A	3/28/2008	1848	3/28/2008	1	0.289	12.22	12.2	
LL4G13VP1-SS-018SN-0001-SO	3/28/2008	1420	3/31/2008	1	0.018	0.18	ND	
LL4G12A-SS-022SN-0001-SO	3/28/2008	1440	3/31/2008	1	0.012	-0.09	ND	
LL4G12VP1-SS-025SN-0001-SO	3/28/2008	1455	3/31/2008	1	0.013	-0.04	ND	
LL4G8VP1-SS-024SN-0001-SO	3/28/2008	1515	3/31/2008	1	0.010	-0.18	ND	
LL4G16-SS-021SN-0001-SO	3/28/2008	1540	3/31/2008	1	0.011	-0.13	ND	
LL4G2-SS-029SN-0001-SO	3/28/2008	1600	3/31/2008	1	0.016	0.09	ND	
LL4G6A-SS-028SN-0001-SO	3/28/2008	1620	3/31/2008	1	0.018	0.18	ND	
LL3EB22-SS-003SN-0001-SO LL3EA6A-SB-081SN-0001-SO	3/28/2008 3/28/2008	1755 1830	3/31/2008 3/31/2008	1	0.035	0.93 0.09	0.9 ND	
LL3EA6A-SB-081SN-0001-SO LL3EA6A-SB-081SN-0002-SO	3/28/2008	1830	3/31/2008	1	0.016	0.09	ND	
LL3EA6A-SB-081SN-0002-SO	3/28/2008	1830	3/31/2008	1	0.018	0.09	ND	
LL3EA6A-SB-081SN-0004-SO	3/28/2008	1830	3/31/2008	1	0.010	0.10	ND	
LL3EA6A-SB-081SN-0005-SO	3/28/2008	1830	3/31/2008	1	0.016	0.09	ND	
LL3EA6A-SB-081SN-0005-SO-DUP	3/28/2008	1830	3/31/2008	1	0.013	-0.04	ND	
LL3EA6A-SB-082SN-0001-SO	3/28/2008	1900	3/31/2008	1	0.179	7.33	7.3	Yellow
LL3EA6A-SB-082SN-0002-SO	3/28/2008	1900	3/31/2008	1	0.017	0.13	ND	
LL3EA6A-SB-082SN-0003-SO	3/28/2008	1900	3/31/2008	1	0.013	-0.04	ND	
LL3EA6A-SB-082SN-0004-SO	3/28/2008	1900	3/31/2008	1	0.176	7.20	7.2	Yellow
LL3EA6A-SB-082SN-0005-SO	3/28/2008	1900	3/31/2008	1	0.017	0.13	ND	
LL3EA6A-SB-083SN-0001-SO	3/28/2008	1910	3/31/2008	1	0.022	0.36	ND	
LL3EA6A-SB-083SN-0002-SO	3/28/2008	1910	3/31/2008	1	0.018	0.18	ND	



Second D	Date	Time	Dete Tested	DE	Aha	Decult	RDX Conc. (ppm) (Cleanup Level:	Comments
Sample ID LL3EA6A-SB-083SN-0003-SO	Collected 3/28/2008	Collected 1910	Date Tested 3/31/2008	1	Abs 0.013	-0.04	838 ppm) ND	Comments
LL3EA6A-SB-083SN-0004-SO	3/28/2008	1910	3/31/2008	1	0.015	0.04	ND	
LL3EA6A-SB-083SN-0005-SO	3/28/2008	1910	3/31/2008	1	0.013	-0.13	ND	
LL3EA6A-SB-084SN-0001-SO	3/28/2008	1925	3/31/2008	1	0.018	0.18	ND	
LL3EA6A-SB-084SN-0002-SO	3/28/2008	1925	3/31/2008	1	0.022	0.36	ND	
LL3EA6A-SB-084SN-0003-SO	3/28/2008	1925	3/31/2008	1	0.030	0.71	ND	
LL3EA6A-SB-084SN-0004-SO	3/28/2008	1925	3/31/2008	1	0.044	1.33	1.3	
LL3EA6A-SB-084SN-0005-SO	3/28/2008	1925	3/31/2008	1	0.052	1.69	1.7	
LL3EA6A-SB-085SN-0001-SO	3/28/2008	1940	3/31/2008	1	0.010	-0.18	ND	
LL3EA6A-SB-085SN-0002-SO	3/28/2008	1940	3/31/2008	1	0.015	0.04	ND	
LL3EA6A-SB-085SN-0003-SO	3/28/2008	1940	3/31/2008	1	0.010	-0.18	ND	
LL3EA6A-SB-085SN-0004-SO	3/28/2008	1940	3/31/2008	1	0.010	-0.18	ND	
LL3EA6A-SB-085SN-0005-SO	3/28/2008	1940	3/31/2008	1	0.011	-0.13	ND	
LL3EA6A-SB-085SN-0005-SO-DUP	3/28/2008	1940	3/31/2008	1	0.013	-0.04	ND	
LL3EA28A-SS-054SN-0001-SO	3/28/2008	1950	3/31/2008	1	0.015	0.04	ND	
LL351A-SS-055SN-0001-SO	3/28/2008	1925	3/31/2008	1	0.015	0.04	ND	
LL3EB8-SS-004SN-0001-SO	3/28/2008	1616	3/31/2008	1	0.017	0.13	ND	
LL3EB3-SS-078SN-0001-SO	3/28/2008	1845	3/31/2008	1	0.012	-0.09	ND	
LL4G18-SS-027SN-0001-SO	3/28/2008	1140	3/31/2008	1	0.013	-0.04	ND	
LL3EB2-SS-002SN-0001-SO	3/28/2008	1855	3/31/2008	1	0.010	-0.18	ND	
LL3EB19-SS-001SN-0001-SO	3/28/2008	1905	3/31/2008	1	0.012	-0.09	ND	
LL351-SS-005SN-0001-SO	3/28/2008	1920	3/31/2008	1	0.018	0.18	ND	
EB4A Conf. Sample	3/28/2008	1848	3/31/2008	1	0.734	32.00	32.0	
LL4G6-SS-035SN-0001-SO	4/2/2008	853	4/3/2008	1	0.011	-0.13	ND	
LL4G19-SS-037SN-0001-SO	4/2/2008	915	4/3/2008	1	0.013	-0.04	ND	
LL4G19A-SS-038SN-0001-SO	4/2/2008	925	4/3/2008	1	0.019	0.22	ND	
LL4G10-SS-039SN-0001-SO	4/2/2008	1000	4/3/2008	1	0.018	0.18	ND	
LL3EB20-SS-079SN-0001-SO	4/2/2008	1024	4/3/2008	1	0.016	0.09	ND	
LL3EB25-SS-077SN-0001-SO	4/2/2008	1050	4/3/2008	1	3.110	10.00	10.0	
LL3EB25-SS-077SN-0001-SO DL	4/2/2008	1050	4/3/2008	10	0.122	48.00	48.0	
LL3EB9A-SS-076SN-0001-SO	4/2/2008	1100	4/3/2008	1	0.014	0.00	ND	
LL3EB9A-SS-076SN-0001-SO DUP	4/2/2008	1100	4/3/2008	1	0.015	0.04	ND	
LL3EB4A-SB-061SN-0001-SO	4/3/2008	1330	4/3/2008	1	0.044	1.33	1.3	
LL3EB4A-SB-061SN-0002-SO	4/3/2008	1330	4/3/2008	1	0.031	0.76	ND	
LL3EB4A-SB-061SN-0003-SO LL3EB4A-SB-061SN-0004-SO	4/3/2008 4/3/2008	1330 1330	4/3/2008 4/3/2008	1	0.019	0.22	ND ND	
LL3EB4A-SB-061SN-0004-SO LL3EB4A-SB-061SN-0005-SO	4/3/2008	1330	4/3/2008	1	0.013	-0.04	ND	
LL3EB9A-SS-032SN-0001-SO	4/3/2008	1020	4/3/2008	1	0.016	0.09	ND	
LL3EB9A-SS-032SN-0001-SO	4/3/2008	1310	4/3/2008	1	0.014	0.00	ND	
LL3EB4A-SB-062SN-0007-SO	4/3/2008	1310	4/3/2008	1	0.017	1.20	1.2	
LL3EB4A-SB-062SN-0002-SO	4/3/2008	1310	4/3/2008	1	0.041	-0.04	ND	
LL3EB4A-SB-062SN-0003-SO	4/3/2008	1310	4/3/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-062SN-0005-SO	4/3/2008	1310	4/3/2008	1	0.020	0.13	ND	
LL3EB4A-SB-063SN-0001-SO	4/3/2008	1215	4/3/2008	1	0.086	3.20	3.2	
LL3EB4A-SB-063SN-0002-SO	4/3/2008	1215	4/3/2008	1	0.000	1.47	1.5	
LL3EB4A-SB-063SN-0003-SO	4/3/2008	1215	4/3/2008	1	0.043	1.29	1.3	
LL3EB4A-SB-063SN-0004-SO	4/3/2008	1215	4/3/2008	1	0.053	1.73	1.7	
LL3EB4A-SB-063SN-0005-SO	4/3/2008	1215	4/3/2008	1	0.024	0.44	ND	
LL3EB4A-SB-064SN-0001-SO	4/3/2008	1230	4/3/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-064SN-0002-SO	4/3/2008	1230	4/3/2008	1	0.009	-0.22	ND	
LL3EB4A-SB-064SN-0003-SO	4/3/2008	1230	4/3/2008	1	0.011	-0.13	ND	
LL3EB4A-SB-064SN-0004-SO	4/3/2008	1230	4/3/2008	1	0.010	-0.18	ND	
LL3EB4A-SB-064SN-0005-SO	4/3/2008	1230	4/3/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-073SN-0001-SO	4/3/2008	1300	4/3/2008	1	0.017	0.13	ND	
LL3EB4A-SB-073SN-0002-SO	4/3/2008	1300	4/3/2008	1	0.019	0.22	ND	
LL3EB4A-SB-073SN-0003-SO	4/3/2008	1300	4/3/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-073SN-0004-SO	4/3/2008	1300	4/3/2008	1	0.015	0.04	ND	
LL3EB4A-SB-073SN-0004-SO DUP	4/3/2008	1300	4/3/2008	1	0.011	-0.13	ND	
LL3EB4A-SB-073SN-0005-SO	4/3/2008	1300	4/4/2008	1	0.013	-0.04	ND	
LL3EB4VP1-SS-033SN-0001-SO	4/3/2008	1030	4/4/2008	1	0.017	0.13	ND	
LL3EB10VP1-SS-028SN-0001-SO	4/3/2008	930	4/4/2008	1	0.025	0.49	ND	
LL3EB10VP2-SS-029SN-0001-SO	4/3/2008	940	4/4/2008	1	0.029	0.67	ND	
LL3EB4A-SB-058SN-0001-SO	4/3/2008	1540	4/4/2008	1	0.020	0.27	ND	
LL3EB4A-SB-058SN-0002-SO	4/3/2008	1540	4/4/2008	1	0.016	0.09	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs	Result	RDX Conc. (ppm) (Cleanup Level: 838 ppm)	Comments
LL3EB4A-SB-058SN-0003-SO	4/3/2008	1540	4/4/2008	1	0.052	1.69	1.7	
LL3EB4A-SB-058SN-0004-SO	4/3/2008	1540	4/4/2008	1	0.048	1.51	1.5	
LL3EB4A-SB-058SN-0005-SO	4/3/2008	1540	4/4/2008	1	0.050	1.60	1.6	
LL3EB4A-SB-058SN-0005-SO DUP	4/3/2008	1540	4/4/2008	1	0.022	0.36	ND	
LL3EB4A-SB-059SN-0001-SO	4/3/2008	1630	4/4/2008	1	0.020	0.27	ND	
LL3EB4A-SB-059SN-0002-SO	4/3/2008	1630	4/4/2008	1	0.055	1.82	1.8	
LL3EB4A-SB-059SN-0003-SO	4/3/2008	1630	4/4/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-059SN-0004-SO	4/3/2008	1630	4/4/2008	1	0.016	0.09	ND	
LL3EB4A-SB-059SN-0005-SO	4/3/2008	1630	4/4/2008	1	0.011	-0.13	ND	
LL3EB4A-SB-060SN-0001-SO	4/3/2008	1545	4/4/2008	1	0.012	-0.09	ND	
LL3EB4A-SB-060SN-0002-SO	4/3/2008	1545	4/4/2008	1	0.016	0.09	ND	
LL3EB4A-SB-060SN-0003-SO	4/3/2008	1545	4/4/2008	1	0.018	0.18	ND	
LL3EB4A-SB-060SN-0004-SO	4/3/2008	1545	4/4/2008	1	0.017	0.13	ND ND	
LL3EB4A-SB-060SN-0005-SO LL3EB4A-SB-065SN-0001-SO	4/3/2008 4/3/2008	1545 1715	4/4/2008 4/4/2008	1	0.015	4.71	4.7	
LL3EB4A-SB-065SN-0001-SO	4/3/2008	1715	4/4/2008	1	0.120	2.22	2.2	
LL3EB4A-SB-065SN-0002-SO	4/3/2008	1715	4/4/2008	1	0.004	0.09	ND	
LL3EB4A-SB-065SN-0004-SO	4/3/2008	1715	4/4/2008	1	0.010	0.09	ND	
LL3EB4A-SB-065SN-0005-SO	4/3/2008	1715	4/4/2008	1	0.013	1.16	1.2	
LL3EB4A-SB-066SN-0001-SO	4/3/2008	1740	4/4/2008	1	0.020	0.27	ND	
LL3EB4A-SB-066SN-0002-SO	4/3/2008	1740	4/4/2008	1	0.025	0.49	ND	
LL3EB4A-SB-066SN-0003-SO	4/3/2008	1740	4/4/2008	1	0.018	0.18	ND	
LL3EB4A-SB-066SN-0004-SO	4/3/2008	1740	4/4/2008	1	0.017	0.13	ND	
LL3EB4A-SB-066SN-0005-SO	4/3/2008	1740	4/4/2008	1	0.017	0.13	ND	
LL3EB4A-SB-066SN-0005-SO DUP	4/3/2008	1740	4/4/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-067SN-0001-SO	4/3/2008	1700	4/4/2008	1	0.126	4.98	5.0	yellow
LL3EB4A-SB-067SN-0002-SO	4/3/2008	1700	4/4/2008	1	1.079			
LL3EB4A-SB-067SN-0002-SO DL	4/3/2008	1700	4/4/2008	2	0.852	74.49	74.5	
LL3EB4A-SB-067SN-0003-SO	4/3/2008	1700	4/4/2008	1	0.228	9.51	9.5	
LL3EB4A-SB-067SN-0004-SO	4/3/2008	1700	4/4/2008	1	0.040	1.16	1.2	
LL3EB4A-SB-067SN-0005-SO	4/3/2008	1645	4/4/2008	1	0.035	0.93	0.9	
LL3EB4A-SB-068SN-0001-SO	4/3/2008	1645	4/4/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-068SN-0002-SO LL3EB4A-SB-068SN-0003-SO	4/3/2008 4/3/2008	1645 1645	4/4/2008 4/4/2008	1	0.017 0.015	0.13 0.04	ND ND	
LL3EB4A-SB-068SN-0003-SO	4/3/2008	1645	4/4/2008	1	0.013	2.18	2.2	
LL3EB4A-SB-068SN-0004-SO	4/3/2008	1645	4/4/2008	1	0.003	-0.09	ND 2.2	
LL3EB4A-SB-069SN-0001-SO	4/3/2008	1755	4/4/2008	1	0.012	-0.03	ND	
LL3EB4A-SB-069SN-0002-SO	4/3/2008	1755	4/4/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-069SN-0003-SO	4/3/2008	1755	4/4/2008	1	0.015	0.04	ND	
LL3EB4A-SB-069SN-0004-SO	4/3/2008	1755	4/4/2008	1	0.013	-0.04	ND	
LL3EB4A-SB-069SN-0005-SO	4/3/2008	1755	4/4/2008	1	0.012	-0.09	ND	
LL3EB4-SB-040SN-0001-SO	4/4/2008	1145	4/7/2008	1	0.021	0.31	ND	
LL3EB4-SB-040SN-0002-SO	4/4/2008	1145	4/7/2008	1	0.032	0.80	0.8	
LL3EB4-SB-040SN-0003-SO	4/4/2008	1145	4/7/2008	1	0.037	1.02	1.0	
LL3EB4-SB-040SN-0004-SO	4/4/2008	1145	4/7/2008	1	0.022	0.36	ND	
LL3EB4-SB-040SN-0005-SO	4/4/2008	1145	4/7/2008	1	0.072	2.58	2.6	
LL3EB4-SB-038SN-0001-SO	4/4/2008	1000	4/7/2008	1	0.022	0.36	ND	
LL3EB4-SB-038SN-0002-SO	4/4/2008	1000	4/7/2008	1	0.014	0.00	ND	
LL3EB4-SB-038SN-0003-SO	4/4/2008	1000	4/7/2008	1	0.010	-0.18	ND	
LL3EB4-SB-038SN-0004-SO	4/4/2008	1000	4/7/2008	1	0.012	-0.09	ND	
LL3EB4-SB-038SN-0005-SO	4/4/2008	1000	4/7/2008	1	0.013	-0.04	ND	
LL3EB4-SB-037SN-0001-SO LL3EB4-SB-037SN-0002-SO	4/4/2008 4/4/2008	945 945	4/7/2008 4/7/2008	1	0.029	0.67	ND 1.4	
LL3EB4-SB-037SN-0002-SO	4/4/2008	945 945	4/7/2008	1	0.045	0.04	ND	
LL3EB4-SB-037SN-0003-SO	4/4/2008	945 945	4/7/2008	1	0.015	0.04	ND	
LL3EB4-SB-037SN-0004-SO	4/4/2008	945	4/7/2008	1	0.030	0.70	ND	
LL3EB4-SB-039SN-0001-SO	4/4/2008	1130	4/7/2008	1	0.000	0.44	ND	
LL3EB4-SB-039SN-0001-SO DUP	4/4/2008	1130	4/7/2008	1	0.024	0.44	ND	
LL3EB4-SB-039SN-0002-SO	4/4/2008	1130	4/7/2008	1	0.016	0.09	ND	
LL3EB4-SB-039SN-0003-SO	4/4/2008	1130	4/7/2008	1	0.015	0.04	ND	
LL3EB4-SB-039SN-0004-SO	4/4/2008	1130	4/7/2008	1	0.021	0.31	ND	
LL3EB4-SB-039SN-0005-SO	4/4/2008	1130	4/7/2008	1	0.019	0.22	ND	
LL3EB4-SB-041SN-0001-SO	4/4/2008	1200	4/7/2008	1	0.024	0.44	ND	
LL3EB4-SB-041SN-0002-SO	4/4/2008	1200	4/7/2008	1	0.027	0.58	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DE	Abs	Result	RDX Conc. (ppm) (Cleanup Level: 838 ppm)	Comments
LL3EB4-SB-041SN-0003-SO	4/4/2008	1200	4/7/2008	1	0.030	0.71	ND	Comments
LL3EB4-SB-041SN-0004-SO	4/4/2008	1200	4/7/2008	1	0.028	0.62	ND	
LL3EB4-SB-041SN-0005-SO	4/4/2008	1200	4/7/2008	1	0.033	0.84	0.8	
LL3EB4-SB-042SN-0001-SO	4/4/2008	1535	4/7/2008	1	0.142	5.69	5.7	yellow
LL3EB4-SB-042SN-0002-SO	4/4/2008	1535	4/7/2008	1	0.026	0.53	ND	*
LL3EB4-SB-042SN-0003-SO	4/4/2008	1535	4/7/2008	1	0.084	3.11	3.1	
LL3EB4-SB-042SN-0004-SO	4/4/2008	1535	4/7/2008	1	0.138	5.51	5.5	
LL3EB4-SB-042SN-0005-SO	4/4/2008	1535	4/7/2008	1	0.036	0.98	1.0	
LL3EB4-SB-043SN-0001-SO	4/4/2008	1435	4/7/2008	1	0.019	0.22	ND	
LL3EB4-SB-043SN-0002-SO LL3EB4-SB-043SN-0003-SO	4/4/2008 4/4/2008	1435 1435	4/7/2008 4/7/2008	1 1	0.015	0.04 0.36	ND ND	
LL3EB4-SB-043SN-0003-SO	4/4/2008	1435	4/7/2008	1	0.022	1.07	1.1	
LL3EB4-SB-043SN-0004-SO DUP	4/4/2008	1435	4/7/2008	1	0.030	1.16	1.2	
LL3EB4-SB-043SN-0005-SO	4/4/2008	1435	4/7/2008	1	0.029	0.67	ND	
LL3EB4-SB-044SN-0001-SO	4/4/2008	1400	4/7/2008	1	0.038	1.07	1.1	
LL3EB4-SB-044SN-0002-SO	4/4/2008	1400	4/7/2008	1	0.048	1.51	1.5	
LL3EB4-SB-044SN-0003-SO	4/4/2008	1400	4/7/2008	1	0.050	1.60	1.6	
LL3EB4-SB-044SN-0004-SO	4/4/2008	1400	4/7/2008	1	0.091	3.42	3.4	
LL3EB4-SB-044SN-0005-SO	4/4/2008	1400	4/7/2008	1	0.053	1.73	1.7	
LL3EB4-SB-045SN-0001-SO	4/4/2008	1030	4/7/2008	1	0.013	-0.04	ND	
LL3EB4-SB-045SN-0002-SO	4/4/2008	1030	4/7/2008	1	0.014	0.00	ND	
LL3EB4-SB-045SN-0003-SO	4/4/2008	1030	4/7/2008	1	0.014	0.00	ND	
LL3EB4-SB-045SN-0004-SO LL3EB4-SB-045SN-0005-SO	4/4/2008 4/4/2008	1030 1030	4/7/2008 4/7/2008	1	0.018 0.013	0.18	ND ND	
LL3EB4-SB-045SN-0005-SO	4/4/2008	1030	4/7/2008	1	0.013	0.04	ND	
LL3EB4-SB-046SN-0002-SO	4/4/2008	1015	4/7/2008	1	0.019	0.22	ND	
LL3EB4-SB-046SN-0003-SO	4/4/2008	1015	4/7/2008	1	0.013	-0.04	ND	
LL3EB4-SB-046SN-0004-SO	4/4/2008	1015	4/7/2008	1	0.014	0.00	ND	
LL3EB4-SB-046SN-0005-SO	4/4/2008	1015	4/7/2008	1	0.011	-0.13	ND	
LL3EB4-SB-050SN-0001-SO	4/4/2008	1415	4/7/2008	1	0.012	-0.09	ND	
LL3EB4-SB-050SN-0002-SO	4/4/2008	1415	4/7/2008	1	0.013	-0.04	ND	
LL3EB4-SB-050SN-0003-SO	4/4/2008	1415	4/7/2008	1	0.023	0.40	ND	
LL3EB4-SB-050SN-0003-SO DUP	4/4/2008	1415	4/7/2008	1	0.036	0.98	1.0	
LL3EB4-SB-050SN-0004-SO LL3EB4-SB-050SN-0005-SO	4/4/2008 4/4/2008	1415 1415	4/7/2008 4/7/2008	1 1	0.030	0.71	ND ND	
LL3EB4-SB-050SN-0005-SO	4/4/2008	1515	4/7/2008	1	0.013	0.04	ND	
LL3EB4-SB-052SN-0002-SO	4/4/2008	1515	4/7/2008	1	0.010	0.62	ND	
LL3EB4-SB-052SN-0003-SO	4/4/2008	1515	4/7/2008	1	0.020	0.44	ND	
LL3EB4-SB-052SN-0004-SO	4/4/2008	1515	4/7/2008	1	0.021	0.31	ND	
LL3EB4-SB-052SN-0005-SO	4/4/2008	1515	4/7/2008	1	0.022	0.36	ND	
LL3EB10-SB-014SN-0001-SO	4/7/2008	1530	4/9/2008	1	0.017	0.13	ND	
LL3EB10-SB-014SN-0001-SO-DUP	4/7/2008	1530	4/9/2008	1	0.014	0.00	ND	
LL3EB10-SB-014SN-0002-SO	4/7/2008	1530	4/9/2008	1	0.029	0.67	ND	
LL3EB10-SB-014SN-0003-SO	4/7/2008	1530	4/9/2008	1	0.013	-0.04	ND	
LL3EB10-SB-014SN-0004-SO	4/7/2008	1530	4/9/2008	1	0.014	0.00	ND	
LL3EB10-SB-014SN-0005-SO LL3EB10-SB-016SN-0001-SO	4/7/2008 4/7/2008	1530	4/9/2008 4/9/2008	1	0.013	-0.04	ND ND	
LL3EB10-SB-016SN-0001-SO LL3EB10-SB-016SN-0002-SO	4/7/2008	1030 1030	4/9/2008	1	0.030	0.71	ND ND	
LL3EB10-SB-016SN-0002-SO	4/7/2008	1030	4/9/2008	1	0.013	0.67	ND	
LL3EB10-SB-016SN-0003-SO	4/7/2008	1030	4/9/2008	1	0.029	0.36	ND	
LL3EB10-SB-016SN-0005-SO	4/7/2008	1030	4/9/2008	1	0.013	-0.04	ND	
LL3EB10-SB-018SN-0001-SO	4/7/2008	955	4/9/2008	1	0.015	0.04	ND	
LL3EB10-SB-018SN-0002-SO	4/7/2008	955	4/9/2008	1	0.032	0.80	0.8	
LL3EB10-SB-018SN-0003-SO	4/7/2008	955	4/9/2008	1	0.013	-0.04	ND	
LL3EB10-SB-018SN-0004-SO	4/7/2008	955	4/9/2008	1	0.015	0.04	ND	
LL3EB10-SB-018SN-0005-SO	4/7/2008	955	4/9/2008	1	0.013	-0.04	ND	
LL3EB10-SB-025SN-0001-SO	4/7/2008	1010	4/9/2008	1	0.021	0.31	ND	
LL3EB10-SB-025SN-0002-SO	4/7/2008	1010	4/9/2008	1	0.015	0.04	ND	
LL3EB10-SB-025SN-0003-SO	4/7/2008	1010	4/9/2008	1	0.022	0.36	ND ND	
LL3EB10-SB-025SN-0004-SO LL3EB10-SB-025SN-0005-SO	4/7/2008 4/7/2008	1010 1010	4/9/2008 4/9/2008	1	0.020	0.27	ND ND	
LL3EB10-SB-025SN-0005-SO	4/7/2008	920	4/9/2008	1	0.017	0.13	ND	
LL3EB10-SB-026SN-0001-SO	4/7/2008	920	4/9/2008	1	0.013	0.04	ND	



Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs	Result	RDX Conc. (ppm) (Cleanup Level: 838 ppm)	Comments
LL3EB10-SB-026SN-0004-SO	4/7/2008	920	4/9/2008	1	0.012	-0.09	ND	
LL3EB10-SB-026SN-0005-SO	4/7/2008	920	4/9/2008	1	0.028	0.62	ND	
LL3EB10-SB-019SN-0001-SO	4/7/2008	1340	4/9/2008	1	0.016	0.09	ND	
LL3EB10-SB-019SN-0002-SO	4/7/2008	1340	4/9/2008	1	0.020	0.27	ND	
LL3EB10-SB-019SN-0003-SO	4/7/2008	1340	4/9/2008	1	0.024	0.44	ND	
LL3EB10-SB-019SN-0004-SO	4/7/2008	1340	4/9/2008	1	0.031	0.76	ND	
LL3EB10-SB-019SN-0004-SO-DUP	4/7/2008	1340	4/9/2008	1	0.032	0.80	0.8	
LL3EB10-SB-019SN-0005-SO	4/7/2008	1340	4/9/2008	1	0.043	1.29	1.3	
LL3EB10-SB-024SN-0001-SO	4/7/2008	1400	4/9/2008	1	0.028	0.62	ND	
LL3EB10-SB-024SN-0002-SO	4/7/2008	1400	4/9/2008	1	0.025	0.49	ND	
LL3EB10-SB-024SN-0003-SO	4/7/2008	1400	4/9/2008	1	0.023	0.40	ND	
LL3EB10-SB-024SN-0004-SO	4/7/2008	1400	4/9/2008	1	0.028	0.62	ND	
LL3EB10-SB-024SN-0005-SO	4/7/2008	1400	4/9/2008	1	0.036	0.98	1.0	
LL3EB10-SB-023SN-0001-SO	4/7/2008	1505	4/9/2008	1	0.047	1.47	1.5	Turbid, yellow
LL3EB10-SB-023SN-0002-SO	4/7/2008	1505	4/9/2008	1	0.049	1.56	1.6	Turbid, yellow
LL3EB10-SB-023SN-0003-SO	4/7/2008	1505	4/9/2008	1	0.049	1.56	1.6	
LL3EB10-SB-023SN-0004-SO	4/7/2008	1505	4/9/2008	1	0.033	0.84	0.8	
LL3EB10-SB-023SN-0005-SO	4/7/2008	1505	4/9/2008	1	0.042	1.24	1.2	
LL3EB10-SB-017SN-0001-SO	4/7/2008	1115	4/9/2008	1	0.042	1.24	1.2	3 depths only
LL3EB10-SB-017SN-0002-SO	4/7/2008	1115	4/9/2008	1	0.043	1.29	1.3	
LL3EB10-SB-017SN-0003-SO	4/7/2008	1115	4/9/2008	1	0.051	1.64	1.6	
LL3EB10-SB-021SN-0001-SO	4/7/2008	1600	4/9/2008	1	0.051	1.64	1.6	3 depths only
LL3EB10-SB-021SN-0002-SO	4/7/2008	1600	4/9/2008	1	0.042	1.24	1.2	
LL3EB10-SB-021SN-0003-SO	4/7/2008	1600	4/9/2008	1	0.047	1.47	1.5	
LL3EB10-SB-021SN-0003-SO-DUP	4/7/2008	1600	4/9/2008	1	0.045	1.38	1.4	
LL3EB11-SS-011SN-0001-SO	4/4/2008	1510	4/9/2008	1	0.015	0.04	ND	
LL3EB8A-SS-006SN-0001-SO	4/4/2008	1520	4/9/2008	1	0.015	0.04	ND	
LL3EB4A URS-EPA 1	4/8/2008	1510	4/9/2008	1	1.030			Yellowish-Brown:needs dil
LL3EB4A URS-EPA 1 DL	4/8/2008	1510	4/9/2008	10	0.226	94.22	94.2	Light Yellow
LL3EB4A URS-EPA 2	4/8/2008	1515	4/9/2008	1	0.099	3.78	3.8	Yellow
LL3EB4A URS-EPA 3	4/8/2008	1520	4/9/2008	1	0.146	5.87	5.9	Yellow
LL3EB4A URS-EPA 4	4/8/2008	1520	4/9/2008	1	0.287	12.13	12.1	
LL3EB10-SB-013SN-0001-SO	4/10/2008	1015	4/10/2008	1	0.030	0.71	ND	
LL3EB10-SB-013SN-0002-SO	4/10/2008	1015	4/10/2008	1	0.024	0.44	ND	
LL3EB10-SB-015SN-0001-SO	4/10/2008	940	4/10/2008	1	0.024	0.44	ND	
LL3EB10-SB-015SN-0002-SO	4/10/2008	940	4/10/2008	1	0.016	0.09	ND	
LL3EB10-SB-015SN-0003-SO	4/10/2008	940	4/10/2008	1	0.018	0.18	ND	
LL3EB10-SB-015SN-0004-SO	4/10/2008	940	4/10/2008	1	0.021	0.31	ND	
LL3EB10-SB-020SN-0001-SO	4/10/2008	845	4/10/2008	1	0.020	0.27	ND	1
LL3EB10-SB-020SN-0002-SO	4/10/2008	845	4/10/2008	1	0.011	-0.13	ND	
LL3EB10-SB-020SN-0003-SO	4/10/2008	845	4/10/2008	1	0.017	0.13	ND	
LL3EB10-SB-020SN-0004-SO	4/10/2008	845	4/10/2008	1	0.018	0.18	ND	1
LL3EB10-SB-020SN-0005-SO	4/10/2008	845	4/10/2008	1	0.018	0.18	ND	1
LL3EB10-SB-022SN-0001-SO	4/10/2008	1000	4/10/2008	1	0.019	0.22	ND	
LL3EB10-SB-022SN-0002-SO	4/10/2008	1000	4/10/2008	1	0.020	0.27	ND	1
LL3EA5-SS-080SN-0001-SO	4/10/2008	1130	4/10/2008	1	0.019	0.22	ND	

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs	Result	RDX Conc. (ppm) (Cleanup Level: 838 ppm)	Comments
LL3EA7-SS-030SN-0001-SO	4/10/2008	1255	4/10/2008	1	0.018	0.18	ND	
LL3EA7-SS-030SN-0001-SO DUP	4/10/2008	1255	4/10/2008	1	0.016	0.09	ND	
LL3EA21-SS-031SN-0001-SO	4/10/2008	1240	4/10/2008	1	0.019	0.22	ND	
LL3EA28-SS-034SN-0001-SO	4/10/2008	1230	4/10/2008	1	0.034	0.89	0.9	
LL3EB13-SS-007SN-0001-SO	4/10/2008	1100	4/10/2008	1	0.026	0.53	ND	
LL3EB13A-SS-008SN-0001-SO	4/10/2008	1110	4/10/2008	1	0.022	0.36	ND	
LL3EB13B-SS-009SN-0001-SO	4/10/2008	1045	4/10/2008	1	0.022	0.36	ND	
LL3EA6-SB-086SN-0001-SO	4/10/2008	1515	4/10/2008	1	0.015	0.04	ND	
LL3EA6-SB-086SN-0002-SO	4/10/2008	1515	4/10/2008	1	0.028	0.62	ND	
LL3EA6-SB-086SN-0002-SO DUP	4/10/2008	1515	4/10/2008	1	0.086	3.20	3.2	
LL3EA6-SB-086SN-0003-SO	4/10/2008 4/10/2008	1515	4/10/2008	1	0.034	0.89	0.9 ND	
LL3EA6-SB-086SN-0004-SO LL3EA6-SB-087SN-0001-SO	4/10/2008	1515 1530	4/10/2008 4/10/2008	1	0.022	0.36	1.5	
LL3EA6-SB-087SN-0001-SO	4/10/2008	1530	4/10/2008	1	0.048	0.62	ND	
LL3EA6-SB-087SN-0002-SO	4/10/2008	1530	4/10/2008	1	0.028	0.02	1.0	
LL3EA6-SB-087SN-0004-SO	4/10/2008	1530	4/10/2008	1	0.038	1.07	1.0	
LL3EA6-SB-087SN-0005-SO	4/10/2008	1530	4/10/2008	1	0.030	0.49	ND	
LL3EA6-SB-088SN-0001-SO	4/10/2008	1725	4/10/2008	1	0.023	2.40	2.4	
LL3EA6-SB-088SN-0002-SO	4/10/2008	1725	4/10/2008	1	0.000	0.00	ND	
LL3EA6-SB-088SN-0003-SO	4/10/2008	1725	4/10/2008	1	0.014	0.00	ND	
LL3EA6-SB-088SN-0004-SO	4/10/2008	1725	4/10/2008	1	0.012	-0.09	ND	
LL3EA6-SB-089SN-0001-SO	4/10/2008	1700	4/10/2008	1	0.014	0.00	ND	
LL3EA6-SB-089SN-0002-SO	4/10/2008	1700	4/10/2008	1	0.023	0.40	ND	
LL3EA6-SB-089SN-0003-SO	4/10/2008	1700	4/10/2008	1	0.026	0.53	ND	
LL3EA6-SB-089SN-0004-SO	4/10/2008	1700	4/10/2008	1	0.049	1.56	1.6	
LL3EA6-SB-089SN-0005-SO	4/10/2008	1700	4/10/2008	1	0.055	1.82	1.8	
LL3EA6-SB-090SN-0001-SO	4/10/2008	1745	4/10/2008	1	0.029	0.67	ND	
LL3EA6-SB-090SN-0002-SO	4/10/2008	1745	4/10/2008	1	0.072	2.58	2.6	
LL3EA6-SB-090SN-0003-SO	4/10/2008	1745	4/10/2008	1	0.024	0.44	ND	
LL3EA6-SB-090SN-0004-SO	4/10/2008	1745	4/10/2008	1	0.026	0.53	ND	
LL3EA6-SB-090SN-0005-SO	4/10/2008	1745	4/10/2008	1	0.013	-0.04	ND	
LL3EA6-SB-090SN-0005-SO DUP	4/10/2008	1745	4/10/2008	1	0.016	0.09	ND	
LL2DB4A-SB-013SN-0001-SO	4/17/2008	1400	4/17/2008	1	0.010	-0.18	ND	
LL2DB4A-SB-013SN-0002-SO	4/17/2008	1400	4/17/2008	1	0.020	0.27	ND	
LL2DB4A-SB-013SN-0003-SO	4/17/2008 4/17/2008	1400	4/17/2008	1	0.009	-0.22	ND	
LL2DB4A-SB-013SN-0004-SO LL2DB4A-SB-013SN-0005-SO	4/17/2008	1400 1400	4/17/2008 4/17/2008	1	0.012	-0.09 0.44	ND ND	
LL2DB4A-SB-013SN-0005-SO	4/17/2008	1400	4/17/2008	1	0.024	1.51	1.5	
LL2DB4A-SB-014SN-0001-SO	4/17/2008	1415	4/17/2008	1	0.048	0.98	1.0	
LL2DB4A-SB-014SN-0002-SO	4/17/2008	1415	4/17/2008	1	0.030	2.58	2.6	
LL2DB4A-SB-014SN-0004-SO	4/17/2008	1415	4/17/2008	1	0.030	0.71	ND	
LL2DB4A-SB-014SN-0005-SO	4/17/2008	1415	4/17/2008	1	0.034	0.89	0.9	
LL2DB4A-SB-015SN-0001-SO	4/17/2008	1430	4/17/2008	1	0.079	2.89	2.9	
LL2DB4A-SB-015SN-0002-SO	4/17/2008	1430	4/17/2008	1	0.015	0.04	ND	
LL2DB4A-SB-015SN-0003-SO	4/17/2008	1430	4/17/2008	1	0.012	-0.09	ND	
LL2DB4A-SB-015SN-0004-SO	4/17/2008	1430	4/17/2008	1	0.027	0.58	ND	
LL2DB4AVP1-SS-088SN-0001-SO	4/17/2008	1050	4/17/2008	1	0.013	-0.04	ND	
LL2DB9A-SS-008SN-0001-SO	4/17/2008	1035	4/17/2008	1	0.015	0.04	ND	
LL2DB19-SS-002SN-0001-SO	4/17/2008	930	4/17/2008	1	0.018	0.18	ND	
LL2DB20-SS-004SN-0001-SO	4/17/2008	950	4/17/2008	1	0.011	-0.13	ND	
LL2DB22-SS-006SN-0001-SO	4/17/2008	1210	4/17/2008	1	0.010	-0.18	ND	
LL2DB25-SS-007SN-0001-SO	4/17/2008	1010	4/17/2008	1	0.020	0.27	ND	
LL2DB2-SS-003SN-0001-SO	4/11/2008	1610	4/17/2008	1	0.017	0.13	ND	
LL2DB4A-SB-013SN-0001-SO-DUP	4/17/2008	1400	4/17/2008	1	0.018	0.18	ND	
LL2DB4A-SB-016SN-0001-SO	4/17/2008	1600	4/18/2008	1	0.178	7.29	7.3	Yellow Color
LL2DB4A-SB-016SN-0002-SO	4/17/2008	1600	4/18/2008	1	0.111	4.31	4.3	Yellow Color
LL2DB4A-SB-016SN-0003-SO	4/17/2008	1600	4/18/2008	1	0.053	1.73	1.7	Clear but turbid, no pink
LL2DB4A-SB-016SN-0004-SO	4/17/2008	1600	4/18/2008	1	0.031	0.76	ND	Clear but turbid, no pink
LL2DB4A-SB-016SN-0005-SO	4/17/2008	1600	4/18/2008	1	0.036	0.98	1.0	Clear but turbid, no pink
LL2DB4A-SB-017SN-0001-SO	4/17/2008	1615	4/18/2008	1	0.021	0.31	ND	Clear but turbid, no pink
LL2DB4A-SB-017SN-0002-SO	4/17/2008	1615	4/18/2008	I	0.026	0.53	ND	Clear but turbid, no pink

							RDX Conc. (ppm)	
	Date	Time					(Cleanup Level:	
Sample ID	Collected	Collected	Date Tested		Abs	Result	838 ppm)	Comments
LL2DB4A-SB-017SN-0003-SO	4/17/2008	1615	4/18/2008	1	0.051	1.64	1.6	Clear but turbid, no pink
LL2DB4A-SB-017SN-0004-SO	4/17/2008	1615	4/18/2008	1	0.025	0.49	ND	Clear but turbid, no pink
LL2DB4A-SB-017SN-0005-SO	4/17/2008	1615	4/18/2008	1	0.019	0.22	ND ND	Clear but turbid, no pink
LL2DB4A-SB-018SN-0001-SO LL2DB4A-SB-018SN-0002-SO	4/17/2008 4/17/2008	1645 1645	4/18/2008 4/18/2008	1	0.021 0.041	0.31	1.2	
LL2DB4A-SB-018SN-0002-SO LL2DB4A-SB-018SN-0003-SO	4/17/2008	1645	4/18/2008	1	0.041	1.60	1.6	
LL2DB4A-SB-018SN-0003-SO	4/17/2008	1645	4/18/2008	1	0.030	0.27	ND	
LL2DB4A-SB-018SN-0004-SO	4/17/2008	1645	4/18/2008	1	0.020	0.27	ND	
LL2DB4A-SB-019SN-0001-SO	4/17/2008	1725	4/18/2008	1	0.020	0.27	ND	
LL2DB4A-SB-019SN-0002-SO	4/17/2008	1725	4/18/2008	1	0.024	0.44	ND	
LL2DB4A-SB-019SN-0003-SO	4/17/2008	1725	4/18/2008	1	0.027	0.58	ND	
LL2DB4A-SB-019SN-0004-SO	4/17/2008	1725	4/18/2008	1	0.027	0.58	ND	
LL2DB4A-SB-019SN-0005-SO	4/17/2008	1725	4/18/2008	1	0.024	0.44	ND	
LL2DB4A-SB-019SN-0005-SO DUP	4/17/2008	1725	4/18/2008	1	0.027	0.58	ND	
LL2DB4A-SB-020SN-0001-SO	4/17/2008	1745	4/18/2008	1	0.015	0.04	ND	
LL2DB4A-SB-020SN-0002-SO	4/17/2008	1745	4/18/2008	1	0.022	0.36	ND	
LL2DB4A-SB-020SN-0003-SO	4/17/2008	1745	4/18/2008	1	0.039	1.11	1.1	
LL2DB4A-SB-020SN-0004-SO	4/17/2008	1745	4/18/2008	1	0.019	0.22	ND	
LL2DB4A-SB-020SN-0005-SO	4/17/2008	1745	4/18/2008	1	0.034	0.89	0.9	
LL2DB4A-SB-021SN-0001-SO	4/17/2008	815	4/18/2008	1	0.032	0.80	0.8	
LL2DB4A-SB-021SN-0002-SO	4/17/2008	815	4/18/2008	1	0.030	0.71	ND	
LL2DB4A-SB-021SN-0003-SO	4/17/2008	815	4/18/2008	1	0.023	0.40	ND	
LL2DB4A-SB-021SN-0004-SO	4/17/2008	815	4/18/2008	1	0.031	0.76	ND	
LL2DB4A-SB-021SN-0005-SO	4/17/2008	815	4/18/2008	1	0.029	0.67	ND	
LL2DB4A-SB-022SN-0001-SO	4/17/2008	845	4/18/2008	1	0.028	0.62	ND	
LL2DB4A-SB-022SN-0002-SO	4/17/2008	845	4/18/2008	1	0.030	0.71	ND	
LL2DB4A-SB-022SN-0003-SO	4/17/2008	845	4/18/2008	1	0.048	1.51	1.5	
LL2DB4A-SB-022SN-0004-SO	4/17/2008	845	4/18/2008	1	0.041	1.20	1.2	
LL2DB4A-SB-022SN-0005-SO	4/17/2008	845	4/18/2008	1	0.034	0.89	0.9	
LL2DB4A-SB-023SN-0001-SO	4/17/2008	910	4/18/2008	1	0.027	0.58	ND	
LL2DB4A-SB-023SN-0002-SO	4/17/2008	910	4/18/2008	1	0.029	0.67	ND	
LL2DB4A-SB-023SN-0003-SO	4/17/2008	910 910	4/18/2008	1	0.031	0.76	ND ND	
LL2DB4A-SB-023SN-0004-SO LL2DB4A-SB-023SN-0005-SO	4/17/2008 4/17/2008	910	4/18/2008 4/18/2008	1	0.029	0.67	ND	
LL2DB4A-SB-023SN-0005-SO DUP	4/17/2008	1745	4/18/2008	1	0.028	0.62	ND	
LL22B4A-SB-020SN-0005-SO DOP LL2-2-51-SS-032SN-0001-SO	4/18/2008	900	4/18/2008	1	0.017	0.13	ND	
LL2-2-51A-SS-032SN-0001-SO	4/18/2008	900	4/18/2008	1	0.018	0.62	ND	
LL2DB8-SS-031SN-0001-SO	4/18/2008	845	4/18/2008	1	0.020	0.02	ND	
LL2DB3-SS-005SN-0001-SO	4/18/2008	755	4/18/2008	1	0.035	0.93	0.9	
LL2DC1-SS-086SN-0001-SO	4/18/2008	825	4/18/2008	1	0.028	0.62	ND	
LL2DB4A-SB-027SN-0001-SO	4/18/2008	955	4/18/2008	1	0.037	1.02	1.0	Yellow Color
LL2DB4A-SB-027SN-0002-SO	4/18/2008	955	4/18/2008	1	0.030	0.71	ND	Yellow Color
LL2DB4A-SB-027SN-0003-SO	4/18/2008	955	4/18/2008	1	0.028	0.62	ND	Yellow Color
LL2DB4A-SB-027SN-0004-SO	4/18/2008	955	4/18/2008	1	0.042	1.24	1.2	Yellow Color
LL2DB4A-SB-027SN-0005-SO	4/18/2008	955	4/18/2008	1	0.055	1.82	1.8	Yellow Color
LL2DB4A-SB-028SN-0001-SO	4/18/2008	930	4/18/2008	1	0.045	1.38	1.4	Yellow Color
LL2DB4A-SB-028SN-0002-SO	4/18/2008	930	4/18/2008	1	0.098	3.73	3.7	Yellow Color
LL2DB4A-SB-028SN-0003-SO	4/18/2008	930	4/18/2008	1	0.064	2.22	2.2	Yellow Color
LL2DB4A-SB-028SN-0004-SO	4/18/2008	930	4/18/2008	1	0.043	1.29	1.3	Yellow Color
LL2DB4A-SB-028SN-0005-SO	4/18/2008	930	4/18/2008	1	0.086	3.20	3.2	Yellow Color
LL2DB4-PIT	4/18/2008	1530	4/18/2008	10	0.181	74.22	74.2	Yellow Color; Original Sample ID was LL3DB4- PIT. Corrected to LL2DB4- PIT.
LL2-2-51-SS-032SN-0001-SO DUP	4/18/2008	900	4/18/2008	1	0.020	0.27	ND	
LL2DB4-SB-034SN-0001-SO	4/18/2008	1445	4/21/2008	1	0.025	0.49	ND	
LL2DB4-SB-034SN-0002-SO	4/18/2008	1445	4/21/2008	1	0.028	0.62	ND	
LL2DB4-SB-034SN-0003-SO	4/18/2008	1445	4/21/2008	1	0.030	0.71	ND	
LL2DB4-SB-034SN-0004-SO	4/18/2008	1445	4/21/2008	1	0.026	0.53	ND	
LL2DB4-SB-034SN-0005-SO	4/18/2008	1445	4/21/2008	1	0.026	0.53	ND	
LL2DB4-SB-035SN-0001-SO	4/18/2008	1500	4/21/2008	1	0.031	0.76	ND	
LL2DB4-SB-035SN-0002-SO	4/18/2008	1500	4/21/2008	1	0.026	0.53	ND	
LL2DB4-SB-035SN-0003-SO	4/18/2008	1500	4/21/2008	1	0.029	0.67	ND	
LL2DB4-SB-035SN-0004-SO	4/18/2008	1500	4/21/2008	1	0.049	1.56	1.6	



	Date	Time					RDX Conc. (ppm) (Cleanup Level:	
Sample ID	Collected	Collected	Date Tested	DF	Abs	Result	838 ppm)	Comments
LL2DB4-SB-035SN-0005-SO	4/18/2008	1500	4/21/2008	1	0.034	0.89	0.9	
LL2DB4-SB-036SN-0001-SO	4/18/2008	1550	4/21/2008	1	0.030	0.71	ND	
LL2DB4-SB-036SN-0002-SO	4/18/2008	1550	4/21/2008	1	0.029	0.67	ND	
LL2DB4-SB-036SN-0003-SO	4/18/2008	1550	4/21/2008	1	0.025	0.49	ND	
LL2DB4-SB-036SN-0004-SO	4/18/2008	1550	4/21/2008	1	0.024	0.44	ND	
LL2DB4-SB-036SN-0005-SO	4/18/2008	1550	4/21/2008	1	0.023	0.40	ND	
LL4G20-SS-036-0001-SO	4/18/2008	1200	4/21/2008	1	0.024	0.44	ND	
LL3EB4AVP1-SS-075SN-0001-SO	4/18/2008	1145	4/21/2008	1	0.033	0.84	0.8	
Pink Water 1	4/21/2008	NA	4/21/2008	1	0.033	0.84	0.8	Surface soil samples near
Pink Water 2 Pink Water 3	4/21/2008 4/21/2008	NA NA	4/21/2008 4/21/2008	1	0.095	3.60 1.87	3.6 1.9	standing pink water at
Pink Water 3 Pink Water 4	4/21/2008	NA	4/21/2008	1	0.056	2.93	2.9	EB4A.
LL2DB4-SB-036SN-0003-SO DUP	4/18/2008	1550	4/21/2008	1	0.080	0.49	ND	
LL3EB4A-SB-100SN-0003-SO DOP	4/21/2008	1120	4/23/2008	1	0.305	12.93	12.9	
LL3EB4A-SB-100SN-0002-SO	4/21/2008	1120	4/23/2008	1	0.051	1.64	12.9	
LL3EB4A-SB-100SN-0003-SO	4/21/2008	1120	4/23/2008	1	0.045	1.38	1.0	
LL3EB4A-SB-100SN-0004-SO	4/21/2008	1120	4/23/2008	1	0.040	0.71	ND	
LL3EB4A-SB-100SN-0005-SO	4/21/2008	1120	4/23/2008	1	0.039	1.11	1.1	
LL3EB4A-SB-101SN-0001-SO	4/21/2008	1200	4/23/2008	1	0.029	0.67	ND	
LL3EB4A-SB-101SN-0002-SO	4/21/2008	1200	4/23/2008	1	0.023	0.40	ND	
LL3EB4A-SB-101SN-0003-SO	4/21/2008	1200	4/23/2008	1	0.026	0.53	ND	
LL3EB4A-SB-101SN-0004-SO	4/21/2008	1200	4/23/2008	1	0.018	0.18	ND	
LL3EB4A-SB-101SN-0005-SO	4/21/2008	1200	4/23/2008	1	0.023	0.40	ND	
LL2DB4-SB-037SN-0001-SO	4/23/2008	1015	4/23/2008	1	0.022	0.36	ND	
LL2DB4-SB-037SN-0002-SO	4/23/2008	1015	4/23/2008	1	0.050	1.60	1.6	
LL2DB4-SB-037SN-0003-SO	4/23/2008	1015	4/23/2008	1	0.030	0.71	ND	
LL2DB4-SB-037SN-0004-SO	4/23/2008	1015	4/23/2008	1	0.065	2.27	2.3	No Pink, Turbid
LL2DB4-SB-037SN-0005-SO	4/23/2008	1015	4/23/2008	1	0.064	2.22	2.2	No Pink, Turbid
LL2DB4-SB-039SN-0001-SO	4/23/2008	1000	4/23/2008	1	0.024	0.44	ND	
LL2DB4-SB-039SN-0002-SO	4/23/2008	1000	4/23/2008	1	0.027	0.58	ND	
LL2DB4-SB-039SN-0003-SO	4/23/2008	1000	4/23/2008	1	0.030	0.71	ND	
LL2DB4-SB-039SN-0004-SO	4/23/2008	1000	4/23/2008	1	0.032	0.80	0.8	
LL2DB4-SB-039SN-0005-SO	4/23/2008	1000	4/23/2008	1	0.015	0.04	ND	
LL3EB4A-SB-101SN-0005-SO DUP	4/21/2008	1200	4/23/2008	1	0.027	0.58	ND	
LL2DB4-SB-040SN-0001-SO	4/23/2008	920	4/23/2008	1	0.023	0.40	ND	
LL2DB4-SB-040SN-0002-SO LL2DB4-SB-040SN-0003-SO	4/23/2008 4/23/2008	920 920	4/23/2008 4/23/2008	1	0.022	0.36	ND ND	
LL2DB4-SB-040SN-0003-SO	4/23/2008	920	4/23/2008	1	0.025	0.49	ND	
LL2DB4-SB-040SN-0004-SO	4/23/2008	920	4/23/2008	1	0.024	0.44	ND	
LL2DB4-SB-041SN-0001-SO	4/23/2008	905	4/23/2008	1	0.029	-0.04	ND	
LL2DB4-SB-041SN-0002-SO	4/23/2008	905	4/23/2008	1	0.015	0.49	ND	
LL2DB4-SB-041SN-0004-SO	4/23/2008	905	4/23/2008	1	0.023	-0.13	ND	
LL2DB4-SB-041SN-0005-SO	4/23/2008	905	4/23/2008	1	0.009	-0.22	ND	
LL2DB4-SB-042SN-0001-SO	4/23/2008	855	4/23/2008	1	0.026	0.53	ND	
LL2DB4-SB-042SN-0002-SO	4/23/2008	855	4/23/2008	1	0.022	0.36	ND	
LL2DB4-SB-042SN-0003-SO	4/23/2008	855	4/23/2008	1	0.028	0.62	ND	
LL2DB4-SB-042SN-0004-SO	4/23/2008	855	4/23/2008	1	0.017	0.13	ND	
LL2DB4-SB-042SN-0005-SO	4/23/2008	855	4/23/2008	1	0.087	3.24	3.2	
LL2DB4-SB-043SN-0001-SO	4/23/2008	840	4/23/2008	1	0.015	0.04	ND	
LL2DB4-SB-043SN-0002-SO	4/23/2008	840	4/23/2008	1	0.026	0.53	ND	
LL2DB4-SB-043SN-0003-SO	4/23/2008	840	4/23/2008	1	0.027	0.58	ND	
LL2DB4-SB-043SN-0004-SO	4/23/2008	840	4/23/2008	1	0.022	0.36	ND	
LL2DB4-SB-043SN-0005-SO	4/23/2008	840	4/23/2008	1	0.021	0.31	ND	
LL2DB4-SB-043SN-0004-SO DUP	4/23/2008	840	4/23/2008	1	0.021	0.31	ND	
LL2DB10VP2-SS-056SN-0001-SO	4/23/2008	1100	4/23/2008	1	0.431	18.53	18.5	
LL2DB10VP1-SS-057SN-0001-SO	4/23/2008	1110	4/23/2008	1	0.030	0.71	ND	
LL2DB8A-SS-059SN-0001-SO	4/23/2008	1115	4/23/2008	1	0.023	0.40	ND	
LL2DB11-SS-060SN-0001-SO	4/23/2008	1040	4/23/2008	1	0.027	0.58	ND	
LL2DB11-SS-060SN-0001-SO DUP	4/23/2008	1040	4/23/2008	1	0.025	0.49	ND	
LL2DB4-SB-044SN-0001-SO	4/23/2008	1520	4/24/2008	1	0.050	1.60	1.6	Clear, Turbid
LL2DB4-SB-044SN-0002-SO	4/23/2008	1520	4/24/2008	1	0.028	0.62	ND	



Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs	Result	RDX Conc. (ppm) (Cleanup Level: 838 ppm)	Comments
LL2DB4-SB-044SN-0003-SO	4/23/2008	1520	4/24/2008	1	0.032	0.80	0.8	
LL2DB4-SB-044SN-0004-SO	4/23/2008	1520	4/24/2008	1	0.025	0.49	ND	
LL2DB4-SB-044SN-0005-SO	4/23/2008	1520	4/24/2008	1	0.065	2.27	2.3	
LL2DB4-SB-045SN-0001-SO	4/23/2008	1510	4/24/2008	1	0.067	2.36	2.4	Clear, Turbid
LL2DB4-SB-045SN-0002-SO	4/23/2008	1510	4/24/2008	1	0.021	0.31	ND	
LL2DB4-SB-045SN-0003-SO	4/23/2008	1510	4/24/2008	1	0.014	0.00	ND	
LL2DB4-SB-045SN-0004-SO	4/23/2008	1510	4/24/2008	1	0.022	0.36	ND	
LL2DB4-SB-045SN-0005-SO	4/23/2008	1510	4/24/2008	1	0.015	0.04	ND	
LL2DB4-SB-046SN-0001-SO	4/23/2008	1455	4/24/2008	1	0.029	0.67	ND	
LL2DB4-SB-046SN-0002-SO	4/23/2008	1455	4/24/2008	1	0.029	0.67	ND	
LL2DB4-SB-046SN-0003-SO	4/23/2008	1455	4/24/2008	1	0.030	0.71	ND	
LL2DB4-SB-046SN-0004-SO	4/23/2008	1455	4/24/2008	1	0.009	-0.22	ND	
LL2DB4-SB-046SN-0005-SO	4/23/2008	1455	4/24/2008	1	0.045	1.38	1.4	Clear, Turbid
LL2DB4-SB-047SN-0001-SO	4/23/2008	1420	4/24/2008	1	0.029	0.67	ND	,
LL2DB4-SB-047SN-0002-SO	4/23/2008	1420	4/24/2008	1	0.047	1.47	1.5	Light Yellow
LL2DB4-SB-047SN-0003-SO	4/23/2008	1420	4/24/2008	1	0.154	6.22	6.2	Peach/Yellow
LL2DB4-SB-047SN-0004-SO	4/23/2008	1420	4/24/2008	1	0.021	0.31	ND	İ.
LL2DB4-SB-047SN-0005-SO	4/23/2008	1420	4/24/2008	1	0.049	1.56	1.6	
LL2DB4-SB-044SN-0003-SO DUP	4/23/2008	1520	4/24/2008	1	0.055	1.82	1.8	
LL2DB4-SB-048SN-0001-SO	4/23/2008	1405	4/24/2008	1	0.015	0.04	ND	
LL2DB4-SB-048SN-0002-SO	4/23/2008	1405	4/24/2008	1	0.013	-0.04	ND	
LL2DB4-SB-048SN-0003-SO	4/23/2008	1405	4/24/2008	1	0.021	0.31	ND	
LL2DB4-SB-048SN-0004-SO	4/23/2008	1405	4/24/2008	1	0.368	15.73	15.7	
LL2DB4-SB-048SN-0005-SO	4/23/2008	1405	4/24/2008	1	0.699	30.44	30.4	
LL2DB4-SB-049SN-0001-SO	4/23/2008	1350	4/24/2008	1	0.033	0.44	ND	
LL2DB4-SB-049SN-0002-SO	4/23/2008	1350	4/24/2008	1	0.024	0.44	ND	
LL2DB4-SB-049SN-0003-SO	4/23/2008	1350	4/24/2008	1	0.020	1.47	1.5	
LL2DB4-SB-049SN-0004-SO	4/23/2008	1350	4/24/2008	1	0.094	3.56	3.6	
LL2DB4-SB-049SN-0005-SO	4/23/2008	1350	4/24/2008	1	0.063	2.18	2.2	
LL3EB4A-SB-070SN-0003-SO	4/24/2008	1000	4/24/2008	1	0.003	1.11	1.1	
LL3EB4A-SB-070SN-0002-SO	4/24/2008	1000	4/24/2008	1	0.039	31.29	31.3	
LL3EB4A-SB-070SN-0003-SO	4/24/2008	1000	4/24/2008	1	1.095	51.25	51.5	
LL3EB4A-SB-070SN-0003-SO DL1	4/24/2008	1000	4/24/2008	2	1.462			
LL3EB4A-SB-070SN-0003-SO DL1	4/24/2008	1000	4/24/2008	10	0.502	216.89	216.9	
LL3EB4A-SB-070SN-0004-SO	4/24/2008	1000	4/24/2008	1	2.343	210.09	210.9	
LL3EB4A-SB-070SN-0004-SO DL1	4/24/2008	1000	4/24/2008	2	1.274			
LL3EB4A-SB-070SN-0004-SO DL1	4/24/2008	1000	4/24/2008	_∠ 10	0.459	197.78	197.8	
		1000		-		197.70	197.0	
LL3EB4A-SB-070SN-0005-SO	4/24/2008		4/24/2008	1	1.242	20.00	20.0	
LL3EB4A-SB-070SN-0005-SO DL1	4/24/2008	1000	4/24/2008		0.426	36.62	36.6	Dep't upor Ov is good
LL3EB4A-SB-070SN-0005-SO DL2 LL3EB4A-SB-071SN-0001-SO	4/24/2008	1000	4/24/2008	10	0.279	0.00	0.0	Don't use; 2x is good.
	4/24/2008	930	4/24/2008	1	0.032	0.80	0.8	
LL3EB4A-SB-071SN-0002-SO	4/24/2008	930 930	4/24/2008	1	0.025	0.49	ND ND	
LL3EB4A-SB-071SN-0003-SO LL3EB4A-SB-071SN-0004-SO	4/24/2008	930	4/24/2008 4/24/2008	1	0.016	0.09	ND ND	
				4	0.027	0.58		
LL3EB4A-SB-071SN-0005-SO LL2DB4-SB-049SN-0003-SO DUP	4/24/2008 4/23/2008	930	4/24/2008	4		0.36	ND	
	4/23/2008	1350	4/24/2008	1	0.020		ND 1.2	Slight Booch Color
LL3EB4A-SB-072SN-0001-SO		915	4/24/2008	1	0.044	1.33	1.3	Slight Peach Color
LL3EB4A-SB-072SN-0002-SO	4/24/2008	915	4/24/2008	1	0.018	0.18	ND	
LL3EB4A-SB-072SN-0003-SO	4/24/2008	915	4/24/2008	1	0.022	0.36	ND	
LL3EB4A-SB-072SN-0004-SO	4/24/2008	915	4/24/2008	1	0.021	0.31	ND	
LL3EB4A-SB-072SN-0005-SO	4/24/2008	915	4/24/2008	1	0.016	0.09	ND	
LL2DB29-SS-061SN-0001-SO	4/24/2008	1635	4/24/2008	1	0.017	0.13	ND	
LL2DB13B-SS-062SN-0001-SO	4/24/2008	1710	4/24/2008	1	0.022	0.36	ND	
LL2DB26-SS-063SN-0001-SO	4/24/2008	1640	4/24/2008	1	0.056	1.87	1.9	
LL2DB13-SS-064SN-0001-SO	4/24/2008	1650	4/24/2008	1	0.022	0.36	ND	
LL2DB13A-SS-065SN-0001-SO	4/24/2008	1700	4/24/2008	1	0.022	0.36	ND	+
LL3EB4A-SB-072SN-0003-SO DUP	4/24/2008	915	4/24/2008	1	0.016	0.09	ND	
LL3EB4-SB-047SN-0001-SO	4/30/2008	1030	4/30/2008	1	0.029	0.67	ND	
LL3EB4-SB-047SN-0002-SO	4/30/2008	1030	4/30/2008	1	0.095	3.60	3.6	
LL3EB4-SB-047SN-0003-SO	4/30/2008	1030	4/30/2008	1	0.030	0.71	ND	
LL3EB4-SB-047SN-0004-SO	4/30/2008	1030	4/30/2008	1	0.026	0.53	ND	
#### RDX Soil Test Worksheet RVAAP

Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs	Result	RDX Conc. (ppm) (Cleanup Level: 838 ppm)	Comments
LL3EB4-SB-048SN-0001-SO	4/30/2008	1100	4/30/2008	1	0.019	0.22	ND	
LL3EB4-SB-048SN-0002-SO	4/30/2008	1100	4/30/2008	1	0.035	0.93	0.9	
LL3EB4-SB-048SN-0003-SO	4/30/2008	1100	4/30/2008	1	0.023	0.40	ND	
LL3EB4-SB-048SN-0004-SO	4/30/2008	1100	4/30/2008	1	0.023	0.40	ND	
LL3EB4-SB-048SN-0005-SO	4/30/2008	1100	4/30/2008	1	0.016	0.09	ND	
LL3EB4-SB-049SN-0001-SO	4/30/2008	945	4/30/2008	1	0.023	0.40	ND	
LL3EB4-SB-049SN-0002-SO	4/30/2008	945	4/30/2008	1	0.031	0.76	ND	
LL3EB4-SB-049SN-0003-SO	4/30/2008	945	4/30/2008	1	0.030	0.71	ND	
LL3EB4-SB-049SN-0004-SO	4/30/2008	945	4/30/2008	1	0.030	0.71	ND	
LL3EB4-SB-051SN-0001-SO	4/30/2008	930	4/30/2008	1	0.036	0.98	1.0	
LL3EB4-SB-051SN-0002-SO	4/30/2008	930	4/30/2008	1	0.022	0.36	ND	
LL3EB4-SB-051SN-0003-SO	4/30/2008	930	4/30/2008	1	0.036	0.98	1.0	
LL3EB4-SB-051SN-0004-SO	4/30/2008	930	4/30/2008	1	0.041	1.20	1.2	
LL3EB4-SB-048SN-0002-SO-DUP	4/30/2008	1100	4/30/2008	1	0.015	0.04	ND	
LL2DB10-SB-090SN-0001-SO	4/30/2008	1205	4/30/2008	1	0.022	0.36	ND	
LL2DB10-SB-090SN-0002-SO	4/30/2008	1205	4/30/2008	1	0.034	0.89	0.9	
LL2DB10-SB-090SN-0003-SO	4/30/2008	1205	4/30/2008	1	0.163	6.62	6.6	
LL2DB10-SB-090SN-0004-SO	4/30/2008	1205	4/30/2008	1	0.123	4.84	4.8	
LL2DB10-SB-090SN-0005-SO	4/30/2008	1205	4/30/2008		0.037	1.02		
LL2DB10-SB-091SN-0001-SO	4/30/2008	1200	4/30/2008	1	0.030	0.71	ND	
LL2DB10-SB-091SN-0002-SO	4/30/2008 4/30/2008	1200	4/30/2008	1	0.026	0.53	ND ND	
LL2DB10-SB-091SN-0003-SO		1200	4/30/2008	1	0.030	0.71		
LL2DB10-SB-093SN-0001-SO	4/30/2008	1220	4/30/2008	1	0.036	0.98	1.0	
LL2DB10-SB-093SN-0002-SO	4/30/2008 4/30/2008	1220 1220	4/30/2008	1	0.026	0.53	ND ND	
LL2DB10-SB-093SN-0003-SO	4/30/2008		4/30/2008		0.017	0.13		
LL2DB10-SB-093SN-0004-SO LL2DB10-SB-093SN-0005-SO	4/30/2008	1220 1220	4/30/2008 4/30/2008	1	0.022	0.36	ND ND	
LL2DB10-SB-093SN-0005-SO LL2DB10-SB-093SN-0004-SO-DUP	4/30/2008	1220	4/30/2008	1	0.024	0.44	ND	
LL2DB10-SB-093SN-0004-SO-DOP	4/30/2008	1600	4/30/2008 5/1/2008	1	0.025	0.49	ND	
LL2DB10-SB-092SN-0001-SO	4/30/2008	1600	5/1/2008	1	0.025	0.49	ND	
LL2DB10-SB-092SN-0002-SO	4/30/2008	1600	5/1/2008	1	0.019	0.22	ND	
LL2DB10-SB-092SN-0004-SO	4/30/2008	1600	5/1/2008	1	0.022	0.00	ND	
LL2DB10-SB-092SN-0004-SO	4/30/2008	1530	5/1/2008	1	0.021	0.31	ND	
LL2DB10-SB-094SN-0001-SC	4/30/2008	1530	5/1/2008	1	0.021	0.09	ND	
LL2DB10-SB-094SN-0003-SO	4/30/2008	1530	5/1/2008	1	0.016	0.09	ND	
LL2DB27-SS-68SN-0001-SO	4/30/2008	1725	5/1/2008	1	0.027	0.58	ND	
LL2DB27A-SS-066SN-0001-SO	4/30/2008	1745	5/1/2008	1	0.021	0.31	ND	
LL2DB27A-SS-066SN-0001-SO-DUP	4/30/2008	1745	5/1/2008	1	0.025	0.49	ND	
LL2DA6-SB-073SN-0001-SO	5/7/2008	1545	5/8/2008	1	0.029	0.67	ND	
LL2DA6-SB-073SN-0002-SO	5/7/2008	1545	5/8/2008	1	0.020	0.27	ND	
LL2DA6-SB-073SN-0003-SO	5/7/2008	1545	5/8/2008	1	0.027	0.58	ND	
LL2DA6-SB-073SN-0004-SO	5/7/2008	1545	5/8/2008	1	0.027	0.58	ND	
LL2DA6-SB-073SN-0005-SO	5/7/2008	1545	5/8/2008	1	0.037	1.02	1.0	
LL2DA6-SB-074SN-0001-SO	5/7/2008	1525	5/8/2008	1	0.042	1.24	1.2	
LL2DA6-SB-074SN-0002-SO	5/7/2008	1525	5/8/2008	1	0.023	0.40	ND	
LL2DA6-SB-074SN-0003-SO	5/7/2008	1525	5/8/2008	1	0.042	1.24	1.2	
LL2DA6-SB-074SN-0004-SO	5/7/2008	1525	5/8/2008	1	0.020	0.27	ND	
LL2DA6-SB-074SN-0005-SO	5/7/2008	1525	5/8/2008	1	0.030	0.71	ND	
LL2DA6-SB-075SN-0001-SO	5/7/2008	1450	5/8/2008	1	0.020	0.27	ND	
LL2DA6-SB-075SN-0002-SO	5/7/2008	1450	5/8/2008	1	0.026	0.53	ND	
LL2DA6-SB-075SN-0003-SO	5/7/2008	1450	5/8/2008	1	0.092	3.47	3.5	
LL2DA6-SB-075SN-0004-SO	5/7/2008	1450	5/8/2008	1	0.059	2.00	2.0	
LL2DA6-SB-075SN-0005-SO	5/7/2008	1450	5/8/2008	1	0.022	0.36	ND	
LL2DA6-SB-076SN-0001-SO	5/7/2008	1540	5/8/2008	1	0.043	1.29	1.3	
LL2DA6-SB-076SN-0002-SO	5/7/2008	1540	5/8/2008	1	0.048	1.51	1.5	
LL2DA6-SB-076SN-0003-SO	5/7/2008	1540	5/8/2008	1	0.086	3.20	3.2	
LL2DA6-SB-076SN-0004-SO	5/7/2008	1540	5/8/2008	1	0.020	0.27	ND	
LL2DA6-SB-076SN-0005-SO	5/7/2008	1540	5/8/2008	1	0.033	0.84	0.8	
LL2DA6-SB-074SN-0002-SO-DUP	5/7/2008	1525	5/8/2008	1	0.024	0.44	ND	
LL2DA6-SB-077SN-0001-SO	5/7/2008	1510	5/8/2008	1	0.013	-0.04	ND	
LL2DA6-SB-077SN-0002-SO	5/7/2008	1510	5/8/2008	1	0.016	0.09	ND	

#### RDX Soil Test Worksheet RVAAP

Lizbak-SB-0775N-0003-SO         S7/2008         1610         SH22008         1         0.074         2.87         2.77           Lizbak-SB-0775N-0004-SO         S7/2008         1610         SH2008         1         0.017         0.13         ND           Lizbak-SB-0775N-0004-SO         S7/2008         1610         SH2008         1         0.017         0.13         ND           Lizbak-SB-075N-0004-SO         S7/2008         1100         SH2008         1         0.012         0.80         0.6           Lizbak-SB-0085N-0001-SO         S7/2008         1100         SH2008         1         0.012         0.80         0.6           Lizbak-SB-0085N-0001-SO         SK2008         000         SH2008         1         0.019         1.22         ND           Lizbak-SB-0085N-0001-SO         SK2008         000         SH2008         1         0.062         1.6         0.09         4.1           Lizbak-SB-0085N-0004-SO         SK2008         000         SH2008         1         0.069         3.4         2.4           Lizbak-SB-0085N-0004-SO         SK2008         1015         SH2008         1         0.069         3.4         2.4           Lizbak-SB-0185N-0001-SO         SK2008         1016	Sample ID	Date Collected	Time Collected	Date Tested	DF	Abs	Result	RDX Conc. (ppm) (Cleanup Level: 838 ppm)	Comments
Lizba.SB-0775N-0005-S0         S772008         1510         5K2008         1         0.017         0.13         ND           Lizba.7S-S5-0085N-0001-S0         S772008         1143         5K2008         1         0.032         0.80         0.8           Lizba.7S-S5-075N-001-S0         S772008         1100         5K2008         1         0.032         0.80         0.8           Lizba.8S-075N-001-S0         S772008         1430         5K2008         1         0.038         1.07         1.1           Lizba.8S-065N+0001-S0         SK2000         600         5K2008         1         0.047         1.47         1.5           Lizba.8S-065N+0002-S0         SK2008         600         5K2008         1         0.066         3.8         3.4           Lizba.4S-82.065N+0002-S0         SK2008         100         5K2008         1         0.069         3.8         3.4           Lizba.4S-82.065N+0002-S0         SK2008         1015         5K2008         1         0.033         0.84         0.8           Lizba.4S-82.065N+0002-S0         SK2008         1015         5K2008         1         0.033         0.44         0.8           Lizba.4S-82.065N+0002-S0         SK2008         1015         5K200	LL2DA6-SB-077SN-0003-SO	5/7/2008	1510	5/8/2008	1	0.074			
LizDAr.SS-0705N-0001-SO         S772008         1145         5%2008         1         0.031         0.76         ND           LizDAZC-SS-0059N-0001-SO         S772008         1200         5%2008         1         0.022         0.67         ND           LizDAZS-SS-0758N-0001-SO         S772008         1200         5%2008         1         0.023         0.67         ND           LizDAXS-SS-0758N-0001-SO         S622008         100         5%2008         1         0.019         0.22         ND           LizDAASS-2608N-0001-SO         S622008         100         5%2008         1         0.019         0.22         ND           LizDAASS-2608N-0001-SO         S622008         100         5%2008         1         0.010         3.82         3.8           LizDAASS-2608N-0001-SO         S622008         1015         5%2008         1         0.027         0.58         ND           LizDAASS-2608N-0001-SO         S622008         1015         5%2008         1         0.023         0.44         2.4           LizDAASS-2608N+0001-SO         S622008         1015         5%2008         1         0.023         0.41         1.4           LizDAASS-2608N+0001-SO         S622008         1015         5%2	LL2DA6-SB-077SN-0004-SO	5/7/2008	1510	5/8/2008	1	0.018	0.18	ND	
LizD27C SS-069SN-0001-SO         S7/2008         1100         5/8/2008         1         0.022         0.67         ND           LizDA21-SS-07ISN-0011-SO         S7/2008         1430         5/8/2008         1         0.038         1.07         1.1           LizDA23-SS-07ISN-0011-SO         S7/2008         1430         5/8/2008         1         0.047         1.47         1.5           LizDA6A-SS-060SN-0001-SO         S/8/2008         000         5/8/2008         1         0.047         1.47         1.5           LizDA6A-SS-060SN-0002-SO         S/8/2008         000         5/8/2008         1         0.106         3.42         3.4           LizDA6A-SS-060SN-002-SO         S/8/2008         100         5/8/2008         1         0.007         3.44         3.4           LizDA6A-SS-061SN-0002-SO         S/8/2008         1015         5/8/2008         1         0.0033         0.44         0.8           LizDA6A-SS-061SN-0002-SO         S/8/2008         1015         5/8/2008         1         0.033         0.47         1.1           LizDA6A-SS-061SN-0002-SO         S/8/2008         15         5/8/2008         1         0.048         1.42         1.4           LizDA6A-SS-062SN+0001-SO         S/8/2008 </td <td>LL2DA6-SB-077SN-0005-SO</td> <td>5/7/2008</td> <td>1510</td> <td>5/8/2008</td> <td>1</td> <td>0.017</td> <td>0.13</td> <td>ND</td> <td></td>	LL2DA6-SB-077SN-0005-SO	5/7/2008	1510	5/8/2008	1	0.017	0.13	ND	
LizDA248S-0718N-0001-S0         5/72008         1200         5/82008         1         0.028         1.07         1.1           LizDA28S-0728N-001-S0         5/82008         1         0.018         1.07         1.1           LizDA28AS-0728N-001-S0         5/82008         1         0.018         1.07         1.1           LizDA6A-SB-060SN-0001-S0         5/82008         1         0.047         1.47         1.5           LizDA6A-SB-060SN-0001-S0         5/82008         1         0.062         1.669         1.7           LizDA6A-SB-060SN-0004-S0         5/82008         1         0.069         3.82         3.8           LizDA6A-SB-060SN-0004-S0         5/82008         1         0.069         3.82         3.4           LizDA6A-SB-061SN-0001-S0         5/82008         1         0.069         3.82         3.4           LizDA6A-SB-061SN-0001-S0         5/82008         1         0.069         3.43         1           LizDA6A-SB-061SN-0001-S0         5/82008         1         0.063         1.77         1.7           LizDA6A-SB-061SN-0001-S0         5/82008         1         0.038         1.67         1.7           LizDA6A-SB-062SN-0001-S0         5/82008         1         0.038	LL2DA7-SS-070SN-0001-SO	5/7/2008	1145	5/8/2008	1	0.031	0.76	ND	
Li2DA28-S5-072SN-001-SO         87/2008         1430         5/8/2008         1         0.019         0.22         ND           Li2DA6A-S8-080SN-0002-SO         5/8/2008         900         5/8/2008         1         0.047         1.47         1.5           Li2DA6A-S8-080SN-0002-SO         5/8/2008         900         5/8/2008         1         0.052         1.69         1.7           Li2DA6A-S8-080SN-0005-SO         5/8/2008         900         5/8/2008         1         0.100         3.22         3.8           Li2DA6A-S8-080SN-0005-SO         5/8/2008         900         5/8/2008         1         0.069         2.44         2.4           Li2DA6A-S8-081SN-0005-SO         5/8/2008         1015         5/8/2008         1         0.069         2.44         2.4           Li2DA6A-S8-081SN-0003-SO         5/8/2008         1015         5/8/2008         1         0.063         1.73         1.7           Li2DA6A-S8-081SN-0003-SO         5/8/2008         1015         5/8/2008         1         0.044         0.29         0.7         ND           Li2DA6A-S8-081SN-0003-SO         5/8/2008         1016         5/8/2008         1         0.042         0.7         ND           Li2DA6A-S8-082SN-0003-SO	LL2DB27C-SS-069SN-0001-SO	5/7/2008	1100	5/8/2008	1	0.032	0.80	0.8	
Li2DA2A-S5-079SN-0001-S0         5/8/2008         1         0.019         0.22         ND           Li2DA6A-S5-080SN-0001-S0         5/8/2008         900         5/8/2008         1         0.047         1.47         1.5           Li2DA6A-S5-080SN-0003-S0         5/8/2008         900         5/8/2008         1         0.056         1.69         1.7           Li2DA6A-S5-080SN-0004-S0         5/8/2008         900         5/8/2008         1         0.100         3.82         3.8           Li2DA6A-S5-080SN-0005-S0         5/8/2008         10.090         3.38         3.4           Li2DA6A-S6-081SN-0001-S0         5/8/2008         10.090         3.38         3.4           Li2DA6A-S6-081SN-0001-S0         5/8/2008         10.027         0.55         ND           Li2DA6A-S6-081SN-0003-S0         5/8/2008         10.033         0.44         0.8           Li2DA6A-S6-081SN-0003-S0         5/8/2008         110.038         0.038         0.9           Li2DA6A-S6-081SN-0003-S0         5/8/2008         110.046         1.42         1.4           Li2DA6A-S6-082SN-0001-S0         5/8/2008         10.028         0.038         1.1           Li2DA6A-S6-082SN-0003-S0         5/8/2008         10.028         0.046 <td< td=""><td></td><td></td><td>1200</td><td></td><td>1</td><td>0.029</td><td>0.67</td><td>ND</td><td></td></td<>			1200		1	0.029	0.67	ND	
Lizbaka-SB-060SN-0001-SO         5/8/2008         900         5/8/2008         1         0.047         1.47         1.5           Lizbaka-SB-060SN-0002-SO         5/8/2008         900         5/8/2008         1         0.106         4.99         4.1           Lizbaka-SB-060SN-0004-SO         5/8/2008         900         5/8/2008         1         0.100         3.32         3.4           Lizbaka-SB-060SN-0004-SO         5/8/2008         1016         5/8/2008         1         0.069         2.44         2.4           Lizbaka-SB-061SN-0004-SO         5/8/2008         1016         5/8/2008         1         0.062         1.73         1.7           Lizbaka-SB-061SN-0004-SO         5/8/2008         1015         5/8/2008         1         0.053         0.34         0.8           Lizbaka-SB-061SN-0004-SO         5/8/2008         1015         5/8/2008         1         0.046         1.42         1.4           Lizbaka-SB-061SN-0004-SO         5/8/2008         115         5/8/2008         1         0.042         0.67         ND           Lizbaka-SB-062SN-0004-SO         5/8/2008         15         5/8/2008         1         0.042         0.47         N1           Lizbaka-SB-062SN-0004-SO         5/8/2008<									
Lizback-SB-0805N-0032-SO         SR/2008         900         5/8/2008         1         0.052         1.69         1.7           Lizback-SB-0805N-003-SO         5/8/2008         900         5/8/2008         1         0.100         3.8         3.4           Lizback-SB-0805N-003-SO         5/8/2008         1015         5/8/2008         1         0.090         3.8         3.4           Lizback-SB-0815N-003-SO         5/8/2008         1015         5/8/2008         1         0.027         0.58         ND           Lizback-SB-0815N-003-SO         5/8/2008         1015         5/8/2008         1         0.033         0.84         0.8           Lizback-SB-0815N-003-SO         5/8/2008         1015         5/8/2008         1         0.033         0.77         1.1           Lizback-SB-0815N-003-SO-DUP         5/8/2008         1         0.038         1.07         1.1           Lizback-SB-0825N-002-SO-SO-DUP         5/8/2008         1         0.046         1.42         1.4           Lizback-SB-0825N-003-SO         5/8/2008         1         0.028         0.67         ND           Lizback-SB-0825N-003-SO         5/8/2008         1         0.028         0.67         ND           Lizback-SB-0825N-003-									
Li2back SB-000SN-0003-SC         5/8/2008         10         0.106         4.09         4.1           Li2back SB-00SN-0004-SC         5/8/2008         900         5/8/2008         1         0.100         3.82         3.4           Li2back SB-00SN-0004-SC         5/8/2008         1015         5/8/2008         1         0.069         2.44         2.4           Li2back SB-00TSN-001-SC         5/8/2008         1015         5/8/2008         1         0.027         0.58         ND           Li2back SB-00TSN-001-SC         5/8/2008         1015         5/8/2008         1         0.033         0.84         0.8           Li2back SB-00TSN-0001-SC         5/8/2008         1015         5/8/2008         1         0.034         0.99         1           Li2back SB-00TSN-0001-SC         5/8/2008         10         0.038         1.07         1.1           Li2back SB-002SN-0001-SC         5/8/2008         1         0.028         0.67         ND           Li2back SB-002SN-0002-SC         5/8/2008         1         0.028         0.67         ND           Li2back SB-002SN-0002-SC         5/8/2008         1         0.028         0.67         ND           Li2back SB-002SN-0002-SC         5/8/2008         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
LizbaAs-SB-0e0SN-0004-SO         5/8/2008         1         0.100         3.82         3.8           LizbAAs-SB-0e1SN-0025-SO         5/8/2008         10.090         3.38         3.4           LizbAAs-SB-0e1SN-0025-SO         5/8/2008         10.027         0.058         ND           LizbAAS-SB-0e1SN-0025-SO         5/8/2008         10.027         0.058         ND           LizbAAS-SB-0e1SN-0025-SO         5/8/2008         10.033         0.84         0.8         0.9           LizbAAS-SB-0e1SN-0025-SO-DUF         5/8/2008         110         5/8/2008         1         0.038         1.07         1.1           LizbAAS-SB-0e1SN-00025-SO-DUF         5/8/2008         110         5/8/2008         1         0.028         0.67         ND           LizbAAS-SB-0e2SN-0001-SO         5/8/2008         915         5/8/2008         1         0.026         0.53         ND           LizbAAS-SB-0e2SN-0014-SO         5/8/2008         915         5/8/2008         1         0.028         0.07         1.1           LizbAAS-SB-0e3SN-0015-SO         5/8/2008         1000         5/8/2008         1         0.038         1.07         1.1           LizbAAS-SB-0e3SN-0015-SO         5/8/2008         1000         5/8/2008									
Li2DAAA-SB-0805N-000C-SC         58/2008         1015         58/2008         1         0.069         3.38         3.4           Li2DAAA-SB-0815N-0002-SC         58/2008         1015         58/2008         1         0.069         2.44         2.4           Li2DAAA-SB-0815N-0003-SC         58/2008         1015         58/2008         1         0.033         0.84         0.8           Li2DAAA-SB-0815N-0004-SC         58/2008         1015         58/2008         1         0.033         0.7         1.7           Li2DAAA-SB-0815N-0005-SC-DUP         58/2008         1015         58/2008         1         0.034         0.7         N.D           Li2DAAA-SB-0825N-0003-SC-DUP         58/2008         1         0.026         0.7         N.D           Li2DAAA-SB-0825N-0003-SC         58/2008         1         0.026         0.53         ND           Li2DAAA-SB-0825N-0004-SC         58/2008         1         0.038         1.07         1.1           Li2DAAA-SB-0825N-0004-SC         58/2008         1         0.032         0.64         ND           Li2DAAA-SB-0835N-0004-SC         58/2008         1         0.032         0.44         ND           Li2DAAA-SB-0835N-0004-SC         58/2008         10.032 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Li2DAA-SB-0815N-0002-S0         5/8/2008         1015         5/8/2008         1         0.069         2.44         2.4           Li2DAAA-SB-0815N-0002-S0         5/8/2008         1015         5/8/2008         1         0.023         0.58         ND           Li2DAAA-SB-0815N-0004-S0         5/8/2008         1015         5/8/2008         1         0.033         0.84         0.8           Li2DAAA-SB-0815N-0005-S0         5/8/2008         1015         5/8/2008         1         0.034         0.89         0.9           Li2DAAA-SB-082SN-0002-S0         6/8/2008         115         5/8/2008         1         0.029         0.67         ND           Li2DAAA-SB-082SN-0002-S0         6/8/2008         115         5/8/2008         1         0.026         0.53         ND           Li2DAAA-SB-082SN-0003-S0         6/8/2008         116         5/8/2008         1         0.024         0.44         ND           Li2DAAA-SB-082SN-0003-S0         6/8/2008         1000         5/8/2008         1         0.032         0.80         0.82           Li2DAAA-SB-082SN-0003-S0         6/8/2008         1000         5/8/2008         1         0.024         0.44         ND           Li2DAAA-SB-083SN-0003-S0         6/8/2008<									
Lizback-SB-0815N-0002-SO         6/#2008         1015         5/#2008         1         0.227         0.58         ND           Lizback-SB-0815N-0002-SO         6/#2008         1015         5/#2008         1         0.033         0.84         0.8           Lizback-SB-0815N-0005-SO         6/#2008         1015         5/#2008         1         0.034         0.89         0.9           Lizback-SB-0815N-0005-SO         6/#2008         1015         5/#2008         1         0.038         1.07         1.1           Lizback-SB-0825N-0001-SO         6/#2008         15         5/#2008         1         0.046         1.42         1.4           Lizback-SB-0825N-0001-SO         6/#2008         1         0.036         1.07         1.1           Lizback-SB-0825N-0001-SO         6/#2008         1         0.036         1.07         1.1           Lizback-SB-0825N-0001-SO         6/#2008         10.032         0.032         0.040         0.84           Lizback-SB-0825N-0001-SO         6/#2008         10.0224         0.44         ND         1.11         1.1           Lizback-SB-083N-0001-SO         5/#2008         10.0223         0.40         ND         1.22046A-SB-083N-0001-SO         6/#2008         10.0223									
L12D4AA-SB-0815N-000-SO         6/8/2008         1015         5/8/2008         1         0.033         0.84         0.8           L2DAAA-SB-0815N-000-SO         6/8/2008         1015         5/8/2008         1         0.034         0.89         0.9           L2DAAA-SB-0815N-0005-SO         6/8/2008         1015         5/8/2008         1         0.034         0.89         0.9           L2DAAA-SB-0825N-0002-SO         5/8/2008         1         0.046         1.42         1.4         1.4           L2DAAA-SB-0825N-0002-SO         5/8/2008         1         0.046         1.42         1.4         1.4           L2DAAA-SB-0825N-0003-SO         5/8/2008         1         0.024         0.53         ND           L2DAAA-SB-0825N-0005-SO         5/8/2008         1         0.033         1.07         1.1           L2DAAA-SB-083SN-0007-SO         5/8/2008         1         0.032         0.80         0.8           L2DAAA-SB-083SN-0007-SO         5/8/2008         1         0.032         0.80         0.8           L2DAAA-SB-083SN-0007-SO         5/8/2008         1         0.022         0.36         ND           L2DAAA-SB-083SN-0007-SO         5/8/2008         1         0.024         0.44 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
L12DAAA-SB-061SN-0005-SC         5/8/2008         1015         5/8/2008         1         0.053         1.73         1.7           L2DAAA-SB-061SN-0005-SC-DUP         5/8/2008         1015         5/8/2008         1         0.038         1.07         1.1           L2DAAA-SB-061SN-0005-SC         5/8/2008         915         5/8/2008         1         0.046         1.42         1.4           L2DAAA-SB-062SN-0002-SC         5/8/2008         915         5/8/2008         1         0.046         1.42         1.4           L2DAAA-SB-062SN-0002-SC         5/8/2008         915         5/8/2008         1         0.038         1.07         1.1           L2DAAA-SB-062SN-0003-SC         5/8/2008         915         5/8/2008         1         0.038         1.014         ND           L2DAAA-SB-063SN-0001-SC         5/8/2008         1000         5/8/2008         1         0.032         0.80         0.8           L2DAAA-SB-063SN-0002-SC         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           L2DAAASB-063SN-0002-SC         5/8/2008         10002         5/8/2008         1         0.022         0.36         ND           L2DAAASB-064SN-0002-SC         5/8/2008									
L12DAAS-SB-061SN-0005-SC         Si/2008         1015         Si/2008         1         0.034         0.48         0.9           L12DAAS-SB-062SN-0001-SC         Si/2008         1015         Si/2008         1         0.029         0.67         ND           L12DAAS-SB-062SN-0003-SC         Si/2008         915         Si/2008         1         0.026         0.53         ND           L12DAAS-SB-062SN-0003-SC         Si/2008         915         Si/2008         1         0.026         0.53         ND           L12DAAS-SB-062SN-0003-SC         Si/2008         915         Si/2008         1         0.039         1.11         1.1           L12DAAS-SB-063SN-0001-SC         Si/2008         1000         Si/2008         1         0.039         1.11         1.1           L12DAAS-SB-063SN-0002-SC         Si/2008         1000         Si/2008         1         0.056         1.87         1.9           L12DAAS-SB-063SN-0003-SC         Si/2008         1000         Si/2008         1         0.022         0.36         ND           L12DAAS-SB-064SN-0001-SC         Si/2008         930         Si/2008         1         0.024         0.44         ND           L12DAAS-SB-064SN-0001-SC         Si/2008         930									
L12DAAA-SB-0815N-0005-SC-DUP         5/8/2008         9115         5/8/2008         1         0.038         1.07         1.1           L12DAAA-SB-0825N+0002-SC         5/8/2008         915         5/8/2008         1         0.046         1.42         1.4           L12DAAA-SB-0825N+0002-SC         5/8/2008         9115         5/8/2008         1         0.028         0.027         ND           L12DAAA-SB-0825N+0004-SC         5/8/2008         9115         5/8/2008         1         0.028         1.07         1.1           L12DAAA-SB-0825N+0004-SC         5/8/2008         9105         5/8/2008         1         0.028         0.021         0.44         ND           L12DAAA-SB-0825N+0001-SC         5/8/2008         1000         5/8/2008         1         0.032         0.80         0.8           L12DAAA-SB-0835N+0001-SC         5/8/2008         1000         5/8/2008         1         0.022         0.30         ND           L12DAAA-SB-0845N+0001-SC         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           L12DAAA-SB-0845N+0003-SC         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           L12DAAA-SB-0845N+0003-S									
Li2DAAA-SB-082SN-0002-SO         5/8/2008         915         5/8/2008         1         0.029         0.677         ND           Li2DAAA-SB-082SN-0002-SO         5/8/2008         915         5/8/2008         1         0.046         1.42         1.4           Li2DAAA-SB-082SN-0002-SO         5/8/2008         915         5/8/2008         1         0.028         0.038         1.07         1.1           Li2DAAA-SB-082SN-0005-SO         5/8/2008         1000         5/8/2008         1         0.039         1.11         1.1           Li2DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.039         1.11         1.1           Li2DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           Li2DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.023         0.40         ND           Li2DAAA-SB-084SN-0002-SO         5/8/2008         30         5/8/2008         1         0.024         0.44         ND           Li2DAAA-SB-084SN-0002-SO         5/8/2008         30         5/8/2008         1         0.024         0.44         ND           Li2DAASB-084SN-0001-SO									
Li2DAAA-SB-082SN-0002-SO         5/8/2008         915         5/8/2008         1         0.046         1.42         1.4           Li2DAAA-SB-082SN-0004-SO         6/8/2008         915         5/8/2008         1         0.028         1.07         1.1           Li2DAAA-SB-082SN-0004-SO         5/8/2008         915         5/8/2008         1         0.039         1.11         1.1           Li2DAAA-SB-083SN-0001-SO         5/8/2008         1000         5/8/2008         1         0.039         1.11         1.1           Li2DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.022         0.80         0.8           Li2DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.022         0.80         ND           Li2DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.022         0.40         ND           Li2DAAASB-084SN-0002-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           Li2DAAASB-084SN-0003-SO         5/8/2008         1         0.023         0.40         ND           Li2DAASB-084SN-0001-SO         5/8/2008         16/8/2008         1									
L12DAAA-SB-082SN-0004-SO         5/8/2008         915         5/8/2008         1         0.026         0.033         ND           L12DAAA-SB-082SN-0005-SO         5/8/2008         915         5/8/2008         1         0.038         1.07         1.1           L12DAAA-SB-083SN-0005-SO         5/8/2008         1000         5/8/2008         1         0.032         0.80         0.8           L12DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.052         0.80         0.8           L12DAAA-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           L12DAAA-SB-083SN-0004-SO         5/8/2008         1000         5/8/2008         1         0.023         0.40         ND           L12DAAA-SB-084SN-0005-SO         5/8/2008         330         5/8/2008         1         0.024         1.24         1.2           L12DAAA-SB-084SN-0000-SO         5/8/2008         330         5/8/2008         1         0.024         1.24         1.2           L12DAAA-SB-084SN-0001-SO         5/8/2008         15/8/2008         1         0.025         0.49         ND           L12DAASB-084SN-0001-SO         5/8/2008         15/8/									
L12DA6A-SB-082SN-0004-SO         5/8/2008         915         5/8/2008         1         0.038         1.07         1.1           L12DA6A-SB-082SN-0002-SO         5/8/2008         115         5/8/2008         1         0.039         1.11         1.1           L12DA6A-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.032         0.80         0.8           L12DA6A-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.026         ND           L12DA6A-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.022         0.62         ND           L12DA6A-SB-084SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.024         0.44         ND           L12DA6A-SB-084SN-0002-SO         5/8/2008         300         5/8/2008         1         0.024         1.24         1.2           L12DA6A-SB-084SN-0002-SO         5/8/2008         303         5/8/2008         1         0.025         0.49         ND           L12DA6A-SB-084SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.025         0.49         ND           L12DA6A-SB-084SN-0001-SO         5/8/2008         1515 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
L12DA6A-SB-082SN-0005-SO         5/8/2008         915         5/8/2008         1         0.024         ND           L12DA6A-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.039         1.11         1.1           L12DA6A-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.032         0.80         0.8           L12DA6A-SB-083SN-0004-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           L12DA6A-SB-083SN-0004-SO         5/8/2008         1         0.023         0.40         ND           L12DA6A-SB-084SN-0005-SO         5/8/2008         330         5/8/2008         1         0.023         0.44         ND           L12DA6A-SB-084SN-0002-SO         5/8/2008         330         5/8/2008         1         0.024         1.24         1.2           L12DA6A-SB-084SN-0002-SO         5/8/2008         330         5/8/2008         1         0.025         0.49         ND           L12DA6A-SB-084SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.020         0.27         ND           L12DB10-SB-096SN-0001-SO         5/8/2008         1516         5/9/2008         1									
L12DA6A-SB-083SN-0002-SC         5/k/2008         1000         5/k/2008         1         0.039         1.11         1.1           L12DA6A-SB-083SN-0002-SC         5/k/2008         1000         5/k/2008         1         0.032         0.80         0.8           L12DA6A-SB-083SN-0002-SC         5/k/2008         1000         5/k/2008         1         0.026         1.87         1.9           L12DA6A-SB-083SN-0002-SC         5/k/2008         1000         5/k/2008         1         0.022         0.66         ND           L12DA6A-SB-084SN-0002-SC         5/k/2008         930         5/k/2008         1         0.023         0.42         0.44         ND           L12DA6A-SB-084SN-0002-SC         5/k/2008         930         5/k/2008         1         0.024         0.44         ND           L12DA6A-SB-084SN-0002-SC         5/k/2008         930         5/k/2008         1         0.024         0.44         ND           L12DA6A-SB-084SN-0002-SC         5/k/2008         930         5/k/2008         1         0.024         0.44         ND           L12DA6A-SB-084SN-0002-SC         5/k/2008         15/5         5/k/2008         1         0.025         0.49         ND           L12DA6A-SB-085N-0001-SC									
L12DA6A-SB-083SN-0002-SO         5/8/2008         1000         5/8/2008         1         0.032         0.80         0.8           L12DA6A-SB-083SN-0003-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           L12DA6A-SB-083SN-0004-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           L12DA6A-SB-083SN-0004-SO         5/8/2008         1000         5/8/2008         1         0.023         0.44         ND           L12DA6A-SB-084SN-0002-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           L12DA6A-SB-084SN-0003-SO         5/8/2008         930         5/8/2008         1         0.023         0.44         ND           L12DA6A-SB-084SN-0003-SO         5/8/2008         930         5/8/2008         1         0.023         0.44         ND           L12DA6A-SB-084SN-0003-SO         5/8/2008         1515         5/9/2008         1         0.027         ND           L12DA6A-SB-084SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.031         0.76         ND           L12DB10-SB-096SN-0001-SO         5/8/2008         1610 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
LLZDA6A-SE-083SN-0003-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           LL2DA6A-SE-083SN-0005-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           LL2DA6A-SE-083SN-0005-SO         5/8/2008         1000         5/8/2008         1         0.022         0.36         ND           LL2DA6A-SE-043SN-0002-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           LL2DA6A-SE-044SN-0002-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           LL2DA6A-SE-044SN-0003-SO         5/8/2008         930         5/8/2008         1         0.025         0.49         ND           L2DA6A-SE-044SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.020         0.27         ND           L2DA6A-SE-044SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.020         0.27         ND           L2DA6A-SE-045SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.025         0.49         ND           L2DB10-SE-096SN-0001-SO         5/8/2008									
LLZDA6A-SB-083SN-0004-SO         5/8/2008         1000         5/8/2008         1         0.028         0.62         ND           LLZDA6A-SB-084SN-0001-SO         5/8/2008         930         5/8/2008         1         0.023         0.40         ND           LLZDA6A-SB-084SN-0001-SO         5/8/2008         930         5/8/2008         1         0.023         0.40         ND           LLZDA6A-SB-084SN-0001-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           LLZDA6A-SB-084SN-0003-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           LLZDA6A-SB-084SN-0001-SO         5/8/2008         930         5/8/2008         1         0.023         0.40         ND           LLZDA6A-SB-084SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.027         ND           LLZDB10-SB-096SN-0002-SO         5/8/2008         1615         5/9/2008         1         0.022         0.49         ND           LLZDA6-SS-06SN-0001-SO         5/8/2008         1610         5/9/2008         1         0.022         0.49         ND           LLZDA5-SS-06SN-0001-SO         5/8/2008         1610									
LL2DA6A-SB-083SN-0005-SO         5/8/2008         1000         8/8/2008         1         0.028         0.62         ND           LL2DA6A-SB-084SN-0001-SO         5/8/2008         930         5/8/2008         1         0.023         0.40         ND           LL2DA6A-SB-084SN-0002-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           LL2DA6A-SB-084SN-0004-SO         5/8/2008         1         0.042         1.24         1.2           L12DA6A-SB-084SN-0004-SO         5/8/2008         1         0.025         0.49         ND           L12DA6A-SB-084SN-0004-SO         5/8/2008         1515         5/9/2008         1         0.023         0.40         ND           L12DB10-SB-096SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.020         0.27         ND           L12DB10-SB-096SN-001-SO         5/8/2008         1515         5/9/2008         1         0.021         0.49         ND           L12DB45-SS-005SN-001-SO         5/8/2008         1610         5/9/2008         1         0.025         0.49         ND           L12DB45-SS-005SN-001-SO         5/8/2008         1640         5/9/2008         1         0.0275							-		
LLZDA6A-SB-084SN-0001-SO         5/8/2008         330         5/8/2008         1         0.023         0.40         ND           LLZDA6A-SB-084SN-0002-SO         5/8/2008         330         5/8/2008         1         0.024         0.44         ND           LLZDA6A-SB-084SN-0003-SO         5/8/2008         330         5/8/2008         1         0.042         1.24         1.2           LLZDA6A-SB-084SN-0004-SO         5/8/2008         1         0.034         0.89         0.9           LLZDA6A-SB-084SN-0001-SO -DUP         5/8/2008         1         0.025         0.49         ND           LLZDA6A-SB-084SN-0001-SO -DUP         5/8/2008         1515         5/9/2008         1         0.027         ND           LLZDB10-SB-096SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.031         0.76         ND           LLZDB10-SB-096SN-0001-SO         5/8/2008         1610         5/9/2008         1         0.032         0.49         ND           LL2DB10-SC be5SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.032         0.49         ND           LL2DB2-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.379         16.2									
LL2DA6A-SB-084SN-0002-SO         5/8/2008         930         5/8/2008         1         0.024         0.44         ND           LL2DA6A-SB-084SN-0003-SO         5/8/2008         930         5/8/2008         1         0.034         0.89         0.9           LL2DA6A-SB-084SN-0004-SO         5/8/2008         930         5/8/2008         1         0.025         0.49         ND           LL2DA6A-SB-084SN-0001-SO-DUP         5/8/2008         1515         5/9/2008         1         0.025         0.49         ND           LL2DB10-SB-096SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.021         0.27         ND           LL2DB10-SB-096SN-0003-SO         5/8/2008         1515         5/9/2008         1         0.022         0.49         ND           LL2DB10-SB-096SN-0003-SO         5/8/2008         1610         5/9/2008         1         0.025         0.49         ND           LL2DB802-SS-015N-0001-SO         5/8/2008         1640         5/9/2008         1         0.022         16.2         16.2           L2DB802-SS-0015N-0001-SO         5/8/2008         1640         5/9/2008         1         0.18         ND           L2DB10-SCREEN 1         5/16/2008         1400									
LL2DA6A-SB-084SN-0003-SO         5/8/2008         930         5/8/2008         1         0.042         1.24         1.2           LL2DA6A-SB-084SN-0004-SO         5/8/2008         930         5/8/2008         1         0.024         0.89         0.9           LL2DA6A-SB-084SN-0005-SO         5/8/2008         930         5/8/2008         1         0.0225         0.49         ND           LL2DA6A-SB-084SN-0001-SO-DUP         5/8/2008         1515         5/9/2008         1         0.023         0.40         ND           LL2DB10-SB-096SN-0002-SO         5/8/2008         1515         5/9/2008         1         0.021         0.27         ND           LL2DB10-SB-096SN-0003-SO         5/8/2008         1515         5/9/2008         1         0.025         0.49         ND           LL2DB3-SS-055SN-0001-SO         5/8/2008         1610         5/9/2008         1         0.032         0.80         0.8           LL2DB42-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.379         16.22         16.2           L2DB42-SS-007SN-0001-SO         5/8/2008         1410         5/21/2008         1         0.379         16.22         16.2           L2DB10-SCREEN 1         5/16/2008									
LLZDA6A-SB-084SN-0004-SO         5/8/2008         930         5/8/2008         1         0.034         0.89         0.9           LLZDA6A-SB-084SN-0001-SO-DUP         5/8/2008         930         5/8/2008         1         0.025         0.49         ND           LLZDA6A-SB-084SN-0001-SO-DUP         5/8/2008         1515         5/9/2008         1         0.027         ND           LLZDB10-SB-096SN-0003-SO         5/8/2008         1515         5/9/2008         1         0.027         ND           LLZDB10-SB-096SN-0003-SO         5/8/2008         1610         5/9/2008         1         0.025         0.49         ND           LLZDB40-SS-045SN-0001-SO         5/8/2008         1610         5/9/2008         1         0.025         0.49         ND           LL2DB40-SS-045SN-001-SO         5/8/2008         1640         5/9/2008         1         0.275         11.60         11.6           LL2DB40-SS-045SN-001-SO         5/8/2008         1640         5/9/2008         1         0.379         16.22         16.2           LL2DB40-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.373         15.96         16.0         product removed between           L2DB10-SCREEN 3         5/16/2008							-		
LL2DA6A-SB-084SN-0005-SO         5/8/2008         930         5/8/2008         1         0.025         0.49         ND           LL2DA6A-SB-084SN-0001-SO-DUP         5/8/2008         1515         5/9/2008         1         0.023         0.40         ND           LL2DB10-SB-096SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.020         0.27         ND           LL2DB10-SB-096SN-0002-SO         5/8/2008         1515         5/9/2008         1         0.025         0.49         ND           LL2DB3-SS-055SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.032         0.80         0.8           LL2DB3-SS-05SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.032         0.80         0.8           LL2DB302-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.179         16.2         16.2           L2DB302-SS-07SN-0001-SO         5/9/2008         1100         5/9/2008         1         0.18         ND           L2DB10-SCREEN 1         5/16/2008         1425         5/21/2008         1         0.737         15.96         16.0         product removed between           L2DB10-SCREEN 3         D									
LL2DA6A-SB-084SN-0001-SO         5/8/2008         930         5/8/2008         1         0.023         0.40         ND           LL2DB10-SB-096SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.017         0.13         ND           LL2DB10-SB-096SN-0002-SO         5/8/2008         1515         5/9/2008         1         0.020         0.27         ND           LL2DB3-SS-05SN-0001-SO         5/8/2008         1515         5/9/2008         1         0.025         0.49         ND           LL2DB3-SS-06SSN-0001-SO         5/8/2008         1610         5/9/2008         1         0.275         11.60         11.6           LL2DB802-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.379         16.22         16.2           LL2DB10-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.18         ND           LL2DB10-SCREEN 3         5/16/2008         1416         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           L2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           L2DB10-SR-995SN-0					1			ND	
LL2DB10-SB-096SN-0002-SO         5/8/2008         1515         5/9/2008         1         0.020         0.27         ND           LL2DB10-SB-096SN-0003-SO         5/8/2008         1610         5/9/2008         1         0.031         0.76         ND           LL2DB30-SS-065SN-0001-SO         5/8/2008         1610         5/9/2008         1         0.025         0.49         ND           LL2DB302-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.275         11.60         11.6           LL2DB302-SS-001SN-0001-SO         5/9/2008         1640         5/9/2008         1         0.379         16.22         16.2           LL2DB27B-SS-067SN-0001-SO         5/9/2008         1410         5/21/2008         1         0.191         7.87         7.9         Samples taken after           LL2DB10-SCREEN 1         5/16/2008         1425         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           LL2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         N					1				
LL2DB10-SB-096SN-0003-SO         5/8/2008         1515         5/9/2008         1         0.031         0.76         ND           LL2DB9-SS-055SN-0001-SO         5/8/2008         1610         5/9/2008         1         0.025         0.49         ND           LL2DB802-SS-085SN-0001-SO         5/8/2008         1715         5/9/2008         1         0.032         0.80         0.8           LL2DB802-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.379         16.22         16.2           LL2DB802-SS-001SN-0001-SO         5/8/2008         1400         5/9/2008         1         0.018         0.18         ND           LL2DB10-SCREEN 1         5/16/2008         1416         5/21/2008         1         0.373         15.96         16.0         product removed between           LL2DB10-SCREEN 2         5/16/2008         1416         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SCREEN 3 DUP         5/16/2008         1415         5/22/2008         1         0.019         0.22         ND           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-	LL2DB10-SB-096SN-0001-SO	5/8/2008	1515	5/9/2008	1	0.017	0.13	ND	
LL2DB9-SS-055SN-0001-SO         5/8/2008         1610         5/9/2008         1         0.025         0.49         ND           LL2DA5-SS-065SN-0001-SO         5/8/2008         1715         5/9/2008         1         0.032         0.80         0.8           LL2DB802-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.275         11.60         11.6           LL2DB802-SS-001SN-0001-SO         5/9/2008         1640         5/9/2008         1         0.0379         16.22         16.2           LL2DB10-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.18         ND           LL2DB10-SCREEN 2         5/16/2008         1416         5/21/2008         1         0.373         15.96         16.0         product removed between           LL2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SCREEN 3 DUP         5/16/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.022         ND           LL2DB10-SB-097SN-0003-SO         5/21/2008	LL2DB10-SB-096SN-0002-SO		1515	5/9/2008	1	0.020	0.27	ND	
LL2DA5-SS-085SN-0001-SO         5/8/2008         1715         5/9/2008         1         0.032         0.80         0.8           LL2DB802-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.275         11.60         11.6           LL2DB802-SS-001SN-0001-SO         5/9/2008         1640         5/9/2008         1         0.379         16.22         16.2           LL2DB27BS-067SN-0001-SO         5/9/2008         1410         5/9/2008         1         0.18         ND           LL2DB10-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.191         7.87         7.9         Samples taken after           LL2DB10-SCREEN 2         5/16/2008         1416         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           LL2DB10-SCREEN 3 DUP         5/16/2008         1425         5/21/2008         1         0.032         0.080         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.024         0.89         0.9 </td <td>LL2DB10-SB-096SN-0003-SO</td> <td>5/8/2008</td> <td>1515</td> <td>5/9/2008</td> <td>1</td> <td>0.031</td> <td>0.76</td> <td>ND</td> <td></td>	LL2DB10-SB-096SN-0003-SO	5/8/2008	1515	5/9/2008	1	0.031	0.76	ND	
LL2DB802-SS-001SN-0001-SO         5/8/2008         1640         5/9/2008         1         0.275         11.60         11.6           LL2DB802-SS-001SN-0001-SO         5/9/2008         1640         5/9/2008         1         0.379         16.22         16.2           LL2DB27B-SS-067SN-0001-SO         5/9/2008         1100         5/9/2008         1         0.018         0.18         ND           LL2DB10-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.373         15.96         16.0         product removed between           LL2DB10-SCREEN 2         5/16/2008         1425         5/21/2008         1         0.373         15.96         16.0         product removed between           LL2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.373         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.024         ND <t< td=""><td>LL2DB9-SS-055SN-0001-SO</td><td>5/8/2008</td><td>1610</td><td>5/9/2008</td><td>1</td><td>0.025</td><td>0.49</td><td>ND</td><td></td></t<>	LL2DB9-SS-055SN-0001-SO	5/8/2008	1610	5/9/2008	1	0.025	0.49	ND	
LL2DB802-SS-001SN-0001-SO-DUP         5/8/2008         1640         5/9/2008         1         0.379         16.22         16.2           LL2DB10-SCREEN 1         5/16/2008         1100         5/9/2008         1         0.018         0.18         ND           LL2DB10-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.373         15.96         16.0         product removed between           LL2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.373         15.96         16.0         product removed between           LL2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.373         15.96         16.0         product removed between           LL2DB10-SCREEN 3         DUP         5/16/2008         1425         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         0.028         0.62         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1145         5/22/2008         0.031         ND	LL2DA5-SS-085SN-0001-SO	5/8/2008	1715	5/9/2008	1	0.032	0.80	0.8	
LL2DB27B-SS-067SN-0001-SO         5/9/2008         1100         5/9/2008         1         0.018         0.18         ND           LL2DB10-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.191         7.87         7.9         Samples taken after product removed between DL2DB10-SCREEN 2         5/16/2008         1416         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           LL2DB10-SCREEN 3 DUP         5/16/2008         1425         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.019         0.22         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.019         0.22         ND           LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND	LL2DB802-SS-001SN-0001-SO	5/8/2008	1640	5/9/2008	1	0.275	11.60	11.6	
LL2DB10-SCREEN 1         5/16/2008         1410         5/21/2008         1         0.191         7.87         7.9         Samples taken after product removed between lL2DB10-SCREEN 2           LL2DB10-SCREEN 3         5/16/2008         1416         5/21/2008         1         0.373         15.96         16.0         product removed between DB-10 and DB-10VP2           LL2DB10-SCREEN 3         DUP         5/16/2008         1425         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.012         ND           LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.022         ND           LL2DB10-SB-097SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.021	LL2DB802-SS-001SN-0001-SO-DUP	5/8/2008	1640	5/9/2008	1	0.379	16.22	16.2	
LL2DB10-SCREEN 2         5/16/2008         1416         5/21/2008         1         0.373         15.96         16.0         product removed between DB-10 and DB-10VP2           LL2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           LL2DB10-SCREEN 3 DUP         5/16/2008         1425         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.012         ND            LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.022         ND           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND <td></td> <td></td> <td>1100</td> <td></td> <td></td> <td>0.018</td> <td></td> <td></td> <td></td>			1100			0.018			
LL2DB10-SCREEN 3         5/16/2008         1425         5/21/2008         1         0.231         9.64         9.6         DB-10 and DB-10VP2           LL2DB10-SCREEN 3 DUP         5/16/2008         1425         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.019         0.22         ND           LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0003-SO         5/21/2008         1145         5/22/2008         1         0.034         0.89         0.9           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2					1				Samples taken after
LL2DB10-SCREEN 3 DUP         5/16/2008         1425         5/21/2008         1         0.380         16.27         16.3           LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.019         0.22         ND           LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.034         0.89         0.9           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-097SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0003-SO					1				product removed between
LL2DB10-SB-095SN-0001-SO         5/21/2008         1115         5/22/2008         1         0.012         -0.09         ND           LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.019         0.22         ND           LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.034         0.89         0.9           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0003-SO									DB-10 and DB-10VP2
LL2DB10-SB-095SN-0002-SO         5/21/2008         1115         5/22/2008         1         0.019         0.22         ND           LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.034         0.89         0.9           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0004-SO									
LL2DB10-SB-095SN-0003-SO         5/21/2008         1115         5/22/2008         1         0.028         0.62         ND           LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.034         0.89         0.9           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.019         0.22         ND           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-025SN-0001-SO									
LL2DB10-SB-097SN-0001-SO         5/21/2008         1145         5/22/2008         1         0.034         0.89         0.9           LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.019         0.22         ND           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0002-SO									
LL2DB10-SB-097SN-0002-SO         5/21/2008         1145         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.019         0.22         ND           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0005-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0003-SO									
LL2DB4A-SB-024SN-0001-SO         5/21/2008         1200         5/22/2008         1         0.019         0.22         ND           LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-024SN-0005-SO         5/21/2008         1645         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0003-SO         5/21/2008         1645         5/22/2008         1         0.016         0.09         ND									
LL2DB4A-SB-024SN-0002-SO         5/21/2008         1200         5/22/2008         1         0.042         1.24         1.2           LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-024SN-0005-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0003-SO         5/21/2008         1645         5/22/2008         1         0.016         0.09         ND									
LL2DB4A-SB-024SN-0003-SO         5/21/2008         1200         5/22/2008         1         0.029         0.67         ND           LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0005-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-024SN-0005-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.016         0.09         ND									
LL2DB4A-SB-024SN-0004-SO         5/21/2008         1200         5/22/2008         1         0.021         0.31         ND           LL2DB4A-SB-024SN-0005-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0003-SO         5/21/2008         1645         5/22/2008         1         0.016         0.09         ND									
LL2DB4A-SB-024SN-0005-SO         5/21/2008         1200         5/22/2008         1         0.025         0.49         ND           LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0003-SO         5/21/2008         1645         5/22/2008         1         0.016         0.09         ND									
LL2DB4A-SB-025SN-0001-SO         5/21/2008         1645         5/22/2008         1         0.036         0.98         1.0           LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0003-SO         5/21/2008         1645         5/22/2008         1         0.016         0.09         ND									
LL2DB4A-SB-025SN-0002-SO         5/21/2008         1645         5/22/2008         1         0.013         -0.04         ND           LL2DB4A-SB-025SN-0003-SO         5/21/2008         1645         5/22/2008         1         0.016         0.09         ND									
LL2DB4A-SB-025SN-0003-SO 5/21/2008 1645 5/22/2008 1 0.016 0.09 ND									
11 (100(0-30-01/0-30-01/0-30-01/0-10/0-10/0-10/0	LL2DB4A-SB-025SN-0003-SO	5/21/2008	1645	5/22/2008	1	0.016	0.09	ND	

#### RDX Soil Test Worksheet RVAAP

							RDX Conc. (ppm)	
	Date	Time					(Cleanup Level:	
Sample ID	Collected	Collected	Date Tested	DF	Abs	Result	838 ppm)	Comments
LL2DB4A-SB-025SN-0005-SO	5/21/2008	1645	5/22/2008	1	0.046	1.42	1.4	
LL2DB4A-SB-026SN-0001-SO	5/21/2008	1630	5/22/2008	1	0.043	1.29	1.3	
LL2DB4A-SB-026SN-0002-SO	5/21/2008	1630	5/22/2008	1	0.021	0.31	ND	
LL2DB4A-SB-026SN-0003-SO	5/21/2008	1630	5/22/2008	1	0.019	0.22	ND	
LL2DB4A-SB-026SN-0004-SO	5/21/2008	1630	5/22/2008	1	0.024	0.44	ND	
LL2DB4A-SB-026SN-0005-SO	5/21/2008	1630	5/22/2008	1	0.021	0.31	ND	
LL2DB4A-SB-026SN-0001-SO DUP	5/21/2008	1630	5/22/2008	1	0.038	1.07	1.1	
LL2DB10-SB-098SN-0001-SO	5/22/2008	900	5/22/2008	1	0.030	0.71	ND	
LL2DB10-SB-098SN-0002-SO	5/22/2008	900	5/22/2008	1	0.019	0.22	ND	
LL2DB10-SB-098SN-0003-SO	5/22/2008	900	5/22/2008	1	0.021	0.31	ND	
LL2DB10-SB-098SN-0004-SO	5/22/2008	900	5/22/2008	1	0.023	0.40	ND	
LL2DB10-SB-098SN-0005-SO	5/22/2008	900	5/22/2008	1	0.036	0.98	1.0	
LL2DB10-SB-099SN-0001-SO	5/22/2008	920	5/22/2008	1	0.017	0.13	ND	
LL2DB10-SB-099SN-0002-SO	5/22/2008	920	5/22/2008	1	0.015	0.04	ND	
LL2DB10-SB-099SN-0003-SO	5/22/2008	920	5/22/2008	1	0.065	2.27	2.3	
LL2DB10-SB-099SN-0004-SO	5/22/2008	920	5/22/2008	1	0.077	2.80	2.8	
LL2DB10-SB-099SN-0005-SO	5/22/2008	920	5/22/2008	1	0.019	0.22	ND	
LL2DB10-SB-100SN-0001-SO	5/22/2008	935	5/22/2008	1	0.048	1.51	1.5	
LL2DB10-SB-100SN-0002-SO	5/22/2008	935	5/22/2008	1	0.019	0.22	ND	
LL2DB10-SB-100SN-0003-SO	5/22/2008	935	5/22/2008	1	0.030	0.71	ND	
LL2DB10-SB-101SN-0001-SO	5/22/2008	945	5/22/2008	1	0.029	0.67	ND	
LL2DB10-SB-101SN-0002-SO	5/22/2008	945	5/22/2008	1	0.016	0.09	ND	
LL2DB10-SB-101SN-0003-SO	5/22/2008	945	5/22/2008	1	0.023	0.40	ND	
LL2DB10-SB-101SN-0004-SO	5/22/2008	945	5/22/2008	1	0.015	0.04	ND	
LL2DB10-SB-101SN-0005-SO	5/22/2008	945	5/22/2008	1	0.014	0.00	ND	
LL2DB10-SB-102SN-0001-SO	5/22/2008	1000	5/22/2008	1	0.030	0.71	ND	
LL2DB10-SB-102SN-0002-SO	5/22/2008	1000	5/22/2008	1	0.021	0.31	ND	
LL2DB10-SB-102SN-0003-SO	5/22/2008	1000	5/22/2008	1	0.030	0.71	ND	
LL2DB10-SB-100SN-0003-SO DUP	5/22/2008	935	5/22/2008	1	0.023	0.40	ND	
LL2DB10-SB-103SN-0001-SO	5/22/2008	1015	5/22/2008	1	0.022	0.36	ND	
LL2DB10-SB-103SN-0002-SO	5/22/2008	1015	5/22/2008	1	0.046	1.42	1.4	
LL2DB10-SB-103SN-0003-SO	5/22/2008	1015	5/22/2008	1	0.030	0.71	ND	1
LL2DB4-SB-038SN-0001-SO	5/22/2008	1150	5/22/2008	1	0.038	1.07	1.1	1
LL2DB4-SB-038SN-0002-SO	5/22/2008	1150	5/22/2008	1	0.027	0.58	ND	
LL2DB4-SB-038SN-0003-SO	5/22/2008	1150	5/22/2008	1	0.020	0.27	ND	1
LL2DB4-SB-038SN-0004-SO	5/22/2008	1150	5/22/2008	1	0.025	0.49	ND	1
LL2DB4-SB-038SN-0005-SO	5/22/2008	1150	5/22/2008	1	0.034	0.89	0.9	1
LL2DB4VP1-SS-087SN-0001-SO	5/22/2008	1100	5/22/2008	1	0.028	0.62	ND	
LL2DB30-SS-104SN-0001-SO	5/22/2008	1115	5/22/2008	1	0.024	0.44	ND	1
LL2DB4-SB-038SN-0002-SO DUP	5/22/2008	1150	5/22/2008	1	0.014	0.00	ND	1

APPENDIX F Data Verification Reports, Fixed Laboratory Analyses

#### Data Verification Report Soil Screening Confirmation Sampling Ravenna Army Ammunition Plant Data Package: L08030356

#### I. INTRODUCTION

Ten discrete soil samples were collected from Buildings EB-4 and EA-6A at Load Line 3 of the Ravenna Army Ammunition Plant (RVAAP) on April 4, 2008. The samples were selected for confirmation analysis by Microbac Laboratories, Inc. (formerly Kemron) of Marietta, Ohio, based on the results of screening analyses for 2,4,6-trinitrotoluene (TNT) and hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) conducted at RVAAP. The sample identifications and analyses requested are summarized in Table 1 below.

		Date		Sample	Analyses Requested <sup>(1)</sup>
Lab ID	Sample ID	Collected	Matrix	Туре	Expl
L08040200-01	LL3EB4-SB-038SN-0005-SO	4/4/2008	Soil	Discrete	Х
L08040200-02	LL3EB4-SB-042SN-0004-SO	4/4/2008	Soil	Discrete	Х
L08040200-03	LL3EB4-SB-044SN-0005-SO	4/4/2008	Soil	Discrete	Х
L08040200-04	LL3EB4-SB-037SN-0004-SO	4/4/2008	Soil	Discrete	Х
L08040200-05	LL3EB4-SB-042SN-0005-SO	4/4/2008	Soil	Discrete	Х
L08040200-06	LL3EA6A-SB-082A-0004-SO	4/4/2008	Soil	Discrete	Х
L08040200-07	LL3EA6A-SB-082A-0002-SO	4/4/2008	Soil	Discrete	Х
L08040200-08	LL3EA6A-SB-082A-0001-SO	4/4/2008	Soil	Discrete	Х
L08040200-09	LL3EA6A-SB-082A-0005-SO	4/4/2008	Soil	Discrete	Х
L08040200-10	LL3EA6A-SB-082A-0003-SO	4/4/2008	Soil	Discrete	Х

Table 1Sample and Analysis Summary

(1) Definitions: Expl = Explosives (nitroaromatics/nitramines) by high performance liquid chromatography (HPLC), SW846 Method 8330B

Reference: SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Third Edition, November 1986 and its updates.

Data quality verification was performed by URS Corporation (URS) for all samples and analyses listed in Table 1 to verify the reported results. This includes assessment of supporting quality control (QC) parameters and a review for compliance with the cited methods, but does not include reconstruction of the analytical data. The following information was reviewed:

- ► Case Narrative
- Chain-of-Custody and sample login documents
- URS sample ID and laboratory sample ID
- Sample matrix
- Sample results by sample, by analytical fraction

- Analytical method performed
- Units of measure and detection limits
- Sample holding times
- Laboratory data qualifiers
- Date samples were digested and/or analyzed
- Initial Calibration summaries
- Calibration Verification summaries
- Laboratory Method Blank results
- Laboratory Control Sample (LCS) results
- QC Method Reporting Limit Standard (QCMRL) results
- Matrix Spike/Matrix Spike Duplicate results
- Laboratory Duplicate results
- Surrogate recoveries (where applicable)
- Internal Standard responses and retention times
- Any nonconformances or analytical problems noted in the case narrative
- Electronic Data

Guidance documents for the review process included the referenced analytical methods; the RVAAP Facility-Wide QAPP (SAIC 2001) and QAPP Addendum (URS 2008); and the Louisville Chemistry Guideline (LCG), Version 5 (USACE 2002).

## II. DATA REVIEW

This section describes each data review category, summarizes the acceptance criteria, and discusses any findings. Unless otherwise noted, the acceptance criteria were met for each sample, and no qualifications were required. The data qualifiers are defined in Section III.

#### A. Sample Custody and Handling

The Chain of Custody and sample receiving documents are reviewed for correct sample identifications, preservatives, temperatures, dates, signatures, and condition of the containers and custody seals upon receipt. Lack of proper preservation can result in qualification or rejection of data, depending on the specific parameters and severity of the exceedance. Other discrepancies or deficiencies may require contacting the laboratory for additional information and are assessed in accordance with the guidance documents on a case-by-case basis.

- All samples were received at the laboratory under custody and intact. The temperature was 3°C, within the acceptance range of 2-6°C. No deficiencies were noted in the login documentation.
- Samples from Building EA-6A at Load Line 3 were incorrectly identified on the Chain of Custody and subsequently in the laboratory report as, "LL3EB6A-..." The sample IDs have been corrected in this report and appear as, "LL3EA6A-..."



#### **B.** Holding Time Criteria

All analyses were reviewed for compliance with the method-required holding times. Extraction or analysis of a sample beyond the holding time can result in qualification or rejection of data, depending on the specific parameters and severity of the exceedance.

• All extractions and analyses were performed within the appropriate holding times.

#### C. Instrument Performance / Calibrations

Instrument performance and initial and continuing calibration criteria are established to ensure the instruments are capable of producing acceptable qualitative and quantitative data for all parameters. The number and concentration of standards analyzed for each initial calibration, the frequency of initial and continuing calibrations, the requirements for any other QC standards, and the criteria for acceptable performance are specified in each determinative method and the LCG.

• Initial and continuing calibrations for Method 8330B met the applicable QC criteria on both columns.

#### **D.** Blanks

Blank samples can include laboratory method blanks, instrument blanks, field equipment blanks, and trip blanks. Blanks are evaluated to determine whether conditions exist resulting in reported sample concentrations which are not native to the sample (i.e., if samples were contaminated from external sources). Sample contamination is demonstrated if an analyte is detected in a blank, and the concentration in an associated sample is not significantly higher. Specifically, if the sample concentration is less than five times the blank concentration (or ten times for common contaminants such as acetone, methylene chloride, 2-butanone, and phthalate esters), it is assumed that the sample concentration was due to external contamination and not actually present in the samples. The result is, therefore, qualified as present in the blank (B), and is generally considered a nondetect. If the sample concentration is greater than five times the associated blank concentration (or ten times for common contaminants), the amount attributable to contamination is negligible and the sample concentration is reported unqualified.

• No analytes were detected in any blanks associated with this group of samples.

## E. Laboratory Control Samples

A Laboratory Control Sample (LCS) is a "contaminant-free matrix" spiked with a known concentration of all analytes of interest or a representative subset of the target analytes (for multicomponent targets, such as PCBs). The LCS is carried through the complete sequence of sample preparation and analytical procedures and provides information on the method's performance. Percent recoveries are monitored to provide a continuous measure of each method's accuracy. The LCS recoveries are compared with established method performance criteria to determine data



acceptability. Recoveries above QC limits indicate a positive bias. Therefore, associated positive concentrations are qualified as estimated (J). If recoveries are below QC limits, a negative bias is assumed. Consequently, associated nondetect and positive concentrations are qualified as estimated. If recoveries are significantly low (i.e., below 30%), positive concentrations are estimated and nondetect results are rejected.

• LCS recoveries were within QC acceptance limits for all analytes.

## F. Surrogate Recoveries

Surrogates are chemicals not normally found in nature, but chemically behave in a similar fashion as the target analytes. Surrogate spikes are added prior to sample preparation for organic analyses and are used to evaluate the effects of the sample matrix on the extraction efficiency and/or instrument response. Surrogate recoveries are evaluated against QC acceptance limits. Recoveries above QC limits indicate a positive bias; therefore, associated positive concentrations are qualified as estimated (J). If recoveries are below QC limits, a negative bias is assumed and associated nondetect and positive concentrations are qualified as estimated (J/UJ). If recoveries are significantly low (i.e., below 10%), positive concentrations are estimated (J) and nondetect results are rejected (R).

• Surrogate recoveries were within QC acceptance limits in the undiluted analyses of all samples, with the exception of samples LL3EB4-SB-042SN-0004-SO and LL3EA6A-SB-082A-0004-SO on one HPLC column. For these two samples, the surrogate peak was masked by a large peak (1,3,5-trinitrobenzene) eluting at a retention time close to that of the surrogate. In both cases, the surrogate recoveries were acceptable on the second column (on which the peaks for 1,3,5-trinitrobenzene and the surrogate compound, 1,2-dinitrobenzene, were widely separated). Consequently, no data were qualified based on surrogate recoveries.

## G. Matrix Spike/Matrix Spike Duplicate Samples

A Matrix Spike is an aliquot of the matrix (water or soil) spiked with a known concentration of the analytes of interest. The Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples—or just an MS for metals—are subjected to the entire analytical procedure in order to determine both accuracy and precision of the method for that matrix. This is accomplished by calculating the percent recovery and the Relative Percent Difference (RPD) of the two spiked samples. The MS/MSDs do not control the analytical process, but are used to evaluate the effect of the matrix on analytical performance. Associated data (the spiked sample or samples with a like matrix) are qualified following criteria similar to the surrogates.

• Extra sample volume for MS/MSD analyses was not collected during this sampling event; therefore MS/MSDs were not performed. Method precision and accuracy were evaluated with an LCS/LCS Duplicate for these analyses. All LCS/LCSD recoveries and RPDs were acceptable.



#### H. Duplicate Samples

Duplicate or replicate samples are analyzed to estimate the precision of data generated and serve as an indicator of sample representativeness and analytical reproducibility. Duplicates may be laboratory duplicates, which monitor the precision of the analytical process (for organics, this is accomplished with the MS/MSD), or field duplicates, which monitor the precision of the entire sampling and analytical system. If significant differences between analyses are identified, associated data are qualified as estimated.

• Field duplicates were not collected during this sampling event.

#### I. Sample Dilutions and Reanalyses

Samples analyzed at dilution and the reasons for the dilutions are as follows:

Samples LL3EB4-SB-042SN-0004-SO, LL3EB4-SB-037SN-0004-SO, LL3EB4-SB-042SN-0005-SO, LL3EA6A-SB-082A-0004-SO, LL3EA6A-SB-082A-0002-SO, LL3EA6A-SB-082A-0001-SO, and LL3EA6A-SB-082A-0005-SO required dilutions ranging from 4-fold to 500-fold in order to quantify concentrations of TNT exceeding the calibration range in the undiluted analyses. Results for all other analytes were reported from the undiluted runs.

#### J. Miscellaneous Comments

Positive detections for explosives on the primary HPLC column were confirmed on a second, dissimilar column. For analytes detected on both columns, the result selected for reporting was the higher of the two concentrations. Detections on one column that were not detected on the other (in the absence of matrix interferences) were reported as nondetect at the sample reporting limit. When the presence of an analyte on one column could not be confirmed due to matrix interferences (e.g., a large interfering peak on one column at the expected retention time of an analyte detected on the other column) the laboratory flagged the affected result "SMI" (sample matrix interference). During the data verification, the reviewer selected the positive result from the column without the interference for reporting and qualified the result as tentatively identified ("N").

Microbac reported results below their reporting limit but above the method detection limit (MDL) with a qualifier ("J"), in accordance with USEPA Contract Laboratory Program (CLP) conventions. During this data review, the "J" qualifiers were retained with the numeric results.

Except where affected by dilutions, the reporting limits met the project requirements specified in the QAPP Addendum.

The data package was sufficiently complete as to allow the verification of sample results in accordance with the QAPP and the LCG.



#### **III. DETERMINATION OF DATA QUALITY AND USABILITY**

Based on the findings of this data review, overall acceptable levels of accuracy, precision, and sensitivity were demonstrated. Representativeness, reproducibility, and comparability are assumed to be acceptable, given the use of consistent sampling procedures and strict adherence to SW846 methodologies. The analytical data are therefore considered usable for supporting project objectives.

Completeness was calculated at 100% for this data package, based on the fact that no data points were rejected.

The final data set, with qualifiers, is presented in Table 2. The following data qualifiers were used to note data usability:

- U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.
- J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
- N = There is presumptive evidence that the analyte is present, but it has not been confirmed. The analyte is tentatively identified. There is an indication that the reported analyte is present, however, all quality control requirements necessary for confirmation were not met.

#### **IV. REFERENCES**

- SAIC. 2001. <u>Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the</u> <u>Ravenna Army Ammunition Plant, Ravenna, Ohio.</u> Part 2: Quality Assurance Project Plan. Prepared for the US Army Corps of Engineers, Louisville District. March 2001.
- URS. 2008. URS Group, Inc. Draft of the Work Plan for the Sampling of Soils Below Floor Slabs at LLs-2, 3, 4 and Excavation and Transportation of Contaminated Soils to Load Line 4 (Buildings G-1, G-1A, and G-3). Appendix A: Quality Assurance Project Plan Addendum. Prepared for the US Army Corps of Engineers. April 2008.
- USACE. 2002. <u>Louisville Chemistry Guideline</u>. Version 5. Environmental Engineering Branch, Louisville District, US Army Corps of Engineers. June 2002.

# Table 2 Analytical Data Summary - Explosives RVAAP Soil Screening Confirmation Samples

PARAMETER	UNITS	L08040200-01 LL3EB4-SB- 038SN-0005-SO 4/4/2008	L08040200-02 LL3EB4-SB- 042SN-0004-SO 4/4/2008	L08040200-03 LL3EB4-SB- 044SN-0005-SO 4/4/2008	L08040200-04 LL3EB4-SB- 037SN-0004-SO 4/4/2008	L08040200-05 LL3EB4-SB- 042SN-0005-SO 4/4/2008	L08040200-06 LL3EA6A-SB- 082A-0004-SO 4/4/2008	L08040200-07 LL3EA6A-SB- 082A-0002-SO 4/4/2008	L08040200-08 LL3EA6A-SB- 082A-0001-SO 4/4/2008	L08040200-09 LL3EA6A-SB- 082A-0005-SO 4/4/2008	L08040200-10 LL3EA6A-SB- 082A-0003-SO 4/4/2008
1,3,5-Trinitrobenzene	mg/kg	0.244 U	9.84	0.250 U	0.190 J	0.259	2.03	0.461	0.871	1.68	0.243 U
1,3-Dinitrobenzene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.206 J	0.248 U	0.163 J	0.257	0.243 U
2,4,6-Trinitrotoluene	mg/kg	0.244 U	611	0.948	15.2	323	2040	31.7	1740	2620	3.75
2,4-Dinitrotoluene	mg/kg	0.244 U	0.76	0.250 U	0.250 U	0.422	1.97	0.248 U	1.7	2.08	0.243 U
2,6-Dinitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	1.07 N	0.248 U	0.244 U	0.249 U	0.243 U
2-Amino-4,6-dinitrotoluene	mg/kg	0.244 U	1.86	0.250 U	0.250 U	1.96	0.741	0.248 U	0.772	1.45	0.243 U
2-Nitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
3-Nitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
4-Amino-2,6-dinitrotoluene	mg/kg	0.244 U	2.63	0.250 U	0.267	1.72	2.07 N	0.412	1.12 N	5.68	0.243 U
4-Nitrotoluene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
НМХ	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
Nitrobenzene	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
Nitroglycerin	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U
PETN	mg/kg	1.46 U	1.50 U	1.50 U	1.50 U	1.50 U	1.46 U	1.49 U	1.46 U	1.50 U	1.46 U
RDX	mg/kg	0.244 U	0.849	0.250 U	0.203 J	0.394	0.779 N	0.248 U	1.52 N	1.22	0.243 U
Tetryl	mg/kg	0.244 U	0.249 U	0.250 U	0.250 U	0.250 U	0.244 U	0.248 U	0.244 U	0.249 U	0.243 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

N = There is presumptive evidence that the analyte is present, but it has not been confirmed. The analyte is tentatively identified. There is an indication that the reported analyte is present, however, all quality control requirements necessary for confirmation were not met.

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#### Data Verification Report Ohio EPA Collocated Samples Ravenna Army Ammunition Plant Data Packages: L08040402 and L08040660

#### I. INTRODUCTION

Four soil samples and one water sample were collected on April 11, 2008, near Building EB-4A at Load Line 3 and one soil sample and one water sample were collected on April 21, 2008, near building DB-4A at Load Line 2 of the Ravenna Army Ammunition Plant (RVAAP). The samples were submitted to Microbac Laboratories, Inc. (formerly Kemron) of Marietta, Ohio, for analysis of the parameters indicated in Table 1 below.

		Date			lyses ested <sup>(1)</sup>
Lab ID	Sample ID	Collected	Matrix	Expl	Met
L08040402-01	LL3EB4A-EPA1SS	4/11/2008	Soil	Х	Х
L08040402-02	LL3EB4A-EPA2SS	4/11/2008	Soil	Х	Х
L08040402-03	LL3EB4A-EPA3SS	4/11/2008	Soil	Х	Х
L08040402-04	LL3EB4A-EPA3SW	4/11/2008	Water	Х	
L08040402-05	LL3EB4A-EPA4SS	4/11/2008	Soil	Х	Х
L08040660-01	LL2DB4A-SS-104SN-0001	4/21/2008	Soil	Х	
L08040660-02	LL2DB4A-GW-100SN	4/21/2008	Water	Х	

Table 1 Sample and Analysis Summary

(1) Definitions: Expl = Explosives (nitroaromatics/nitramines) by high performance liquid chromatography (HPLC), SW846 Method 8330B.
 Met = Metals (USEPA CLP Target Analyte List), SW846 Methods 6010B, 6020, and 7470A.

Reference: SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Third Edition, November 1986 and its updates.

Data quality verification was performed by URS Corporation (URS) for all samples and analyses listed in Table 1 to verify the reported results. This includes assessment of supporting quality control (QC) parameters and a review for compliance with the cited methods, but does not include reconstruction of the analytical data. The following information was reviewed:

- Case Narrative
- Chain-of-Custody and sample login documents
- URS sample ID and laboratory sample ID
- Sample matrix
- Sample results by sample, by analytical fraction
- Analytical method performed
- Units of measure and detection limits



- Sample holding times
- Laboratory data qualifiers
- Date samples were digested and/or analyzed
- Initial Calibration summaries
- Calibration Verification summaries
- Laboratory Method Blank results
- Laboratory Control Sample (LCS) results
- QC Method Reporting Limit Standard (QCMRL) results
- Matrix Spike/Matrix Spike Duplicate results
- Laboratory Duplicate results
- Surrogate recoveries (where applicable)
- Internal Standard responses and retention times
- Any nonconformances or analytical problems noted in the case narrative
- Electronic Data

Guidance documents for the review process included the referenced analytical methods; the RVAAP Facility-Wide QAPP (SAIC 2001) and QAPP Addendum (URS 2008); and the Louisville Chemistry Guideline (LCG), Version 5 (USACE 2002).

#### II. DATA REVIEW

This section describes each data review category, summarizes the acceptance criteria, and discusses any findings. Unless otherwise noted, the acceptance criteria were met for each sample, and no qualifications were required. The data qualifiers are defined in Section III.

#### A. Sample Custody and Handling

The Chain of Custody and sample receiving documents are reviewed for correct sample identifications, preservatives, temperatures, dates, signatures, and condition of the containers and custody seals upon receipt. Lack of proper preservation can result in qualification or rejection of data, depending on the specific parameters and severity of the exceedance. Other discrepancies or deficiencies may require contacting the laboratory for additional information and are assessed in accordance with the guidance documents on a case-by-case basis.

- All samples were received at the laboratory under custody and intact. The cooler temperatures were 3°C and 6°C, within the acceptance range of 2-6°C.
- The requested analyses were inadvertently omitted from the Chain of Custody for the samples collected on April 21, 2008. Samples were logged in for explosives analysis by Method 8330B after the laboratory confirmed the analyses with URS project personnel.

#### **B.** Holding Time Criteria

All analyses were reviewed for compliance with the method-required holding times. Extraction or analysis of a sample beyond the holding time can result in qualification or rejection of data, depending on the specific parameters and severity of the exceedance.

• All extractions and analyses were performed within the appropriate holding times.

#### C. Instrument Performance / Calibrations

Instrument performance and initial and continuing calibration criteria are established to ensure the instruments are capable of producing acceptable qualitative and quantitative data for all parameters. The number and concentration of standards analyzed for each initial calibration, the frequency of initial and continuing calibrations, the requirements for any other QC standards, and the criteria for acceptable performance are specified in each determinative method and the LCG.

• Initial and continuing calibrations for all methods met the applicable QC criteria.

#### **D.** Blanks

Blank samples can include laboratory method blanks, instrument blanks, field equipment blanks, and trip blanks. Blanks are evaluated to determine whether conditions exist resulting in reported sample concentrations which are not native to the sample (i.e., if samples were contaminated from external sources). Sample contamination is demonstrated if an analyte is detected in a blank, and the concentration in an associated sample is not significantly higher. Specifically, if the sample concentration is less than five times the blank concentration (or ten times for common contaminants such as acetone, methylene chloride, 2-butanone, and phthalate esters), it is assumed that the sample concentration was due to external contamination and not actually present in the samples. The result is, therefore, qualified as present in the blank (B), and is generally considered a nondetect. If the sample concentration is greater than five times the associated blank concentration (or ten times for common contaminants), the amount attributable to contamination is negligible and the sample concentration is reported unqualified.

• No analytes were detected in any blanks associated with this group of samples.

## E. Laboratory Control Samples

A Laboratory Control Sample (LCS) is a "contaminant-free matrix" spiked with a known concentration of all analytes of interest or a representative subset of the target analytes (for multicomponent targets, such as PCBs). The LCS is carried through the complete sequence of sample preparation and analytical procedures and provides information on the method's performance. Percent recoveries are monitored to provide a continuous measure of each method's accuracy. The LCS recoveries are compared with established method performance criteria to determine data acceptability. Recoveries above QC limits indicate a positive bias. Therefore, associated positive



concentrations are qualified as estimated (J). If recoveries are below QC limits, a negative bias is assumed. Consequently, associated nondetect and positive concentrations are qualified as estimated. If recoveries are significantly low (i.e., below 30%), positive concentrations are estimated and nondetect results are rejected.

• LCS recoveries were within QC acceptance limits for all parameter groups.

#### F. Surrogate Recoveries

Surrogates are chemicals not normally found in nature, but chemically behave in a similar fashion as the target analytes. Surrogate spikes are added prior to sample preparation for organic analyses and are used to evaluate the effects of the sample matrix on the extraction efficiency and/or instrument response. Surrogate recoveries are evaluated against QC acceptance limits. Recoveries above QC limits indicate a positive bias; therefore, associated positive concentrations are qualified as estimated (J). If recoveries are below QC limits, a negative bias is assumed and associated nondetect and positive concentrations are qualified as estimated (J/UJ). If recoveries are significantly low (i.e., below 10%), positive concentrations are estimated (J) and nondetect results are rejected (R).

- Surrogate recoveries were within QC acceptance limits in the undiluted analyses of all samples, with the exception of sample LL3EB4A-EPA4SS on one HPLC column and sample LL3EB4A-EPA1SS on both columns. For these two samples, the surrogate peak on the first column was masked by a large peak (1,3,5-trinitrobenzene) eluting at a retention time close to that of the surrogate. For sample LL3EB4A-EPA4SS, the surrogate recovery was acceptable on the second column (on which the peaks for 1,3,5-trinitrobenzene and the surrogate compound, 1,2-dinitrobenzene, were widely separated). Consequently, no results for that sample were qualified based on surrogate recoveries. For sample LL3EB4A-EPA1SS, however, the surrogate recovery was above the upper QC acceptance limit on the second column. Therefore, all positive results reported from the undiluted analysis of those samples were qualified as estimated (flagged "J").
- No action was taken for surrogates that were not recovered or had recoveries outside of QC acceptance limits when the sample was diluted 10-fold or more.

#### G. Matrix Spike/Matrix Spike Duplicate Samples

A Matrix Spike is an aliquot of the matrix (water or soil) spiked with a known concentration of the analytes of interest. The Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples—or just an MS for metals—are subjected to the entire analytical procedure in order to determine both accuracy and precision of the method for that matrix. This is accomplished by calculating the percent recovery and the Relative Percent Difference (RPD) of the two spiked samples. The MS/MSDs do not control the analytical process, but are used to evaluate the effect of the matrix on analytical performance. Associated data (the spiked sample or samples with a like matrix) are qualified following criteria similar to the surrogates.

- Extra sample volume for MS/MSD analyses was not collected during this sampling event; therefore MS/MSDs were not performed for Method 8330B. Method precision and accuracy were evaluated with an LCS/LCS Duplicate for these analyses. All LCS/LCSD recoveries and RPDs were acceptable.
- The laboratory selected sample LL3EB4A-EPA1SS for the metals MS analyses. The recovery for potassium was above the upper QC acceptance limit of 125% and the recoveries for cobalt and selenium were below the lower limit of 75% (but above 30%). The results for these analytes in all soil samples (all positive detections) were therefore qualified as estimated due to a matrix effect ("JI"). In addition, the recovery for antimony was less than 30%. Consequently, the nondetect results for antimony in all soil samples were rejected ("RI").
- The spikes for several metals, including aluminum, calcium, iron, and magnesium were not valid due to sample concentrations exceeding four times the amount spiked. No action was taken.

## H. Duplicate Samples

Duplicate or replicate samples are analyzed to estimate the precision of data generated and serve as an indicator of sample representativeness and analytical reproducibility. Duplicates may be laboratory duplicates, which monitor the precision of the analytical process (for organics, this is accomplished with the MS/MSD), or field duplicates, which monitor the precision of the entire sampling and analytical system. If significant differences between analyses are identified, associated data are qualified as estimated.

- Field duplicates were not collected during this sampling event.
- The laboratory selected sample LL3EB4A-EPA1SS for the metals duplicate analyses. The RPDs exceeded the QC acceptance limit of 20% for potassium, silver, and selenium. Therefore the results for these analytes in all samples were qualified as estimated ("J").

## I. Serial Dilutions and Post-Digestion Spikes

A serial dilution is a five-fold (4:1) dilution of a selected sample analyzed for metals by ICP or ICP/MS. If the calculated result from the diluted analysis differs by more than ten percent from the original analysis result (assuming the concentration is sufficiently greater than the instrument detection limit), the discrepancy is attributed to matrix interference. Positive detections in the parent sample and all associated samples are qualified as estimated (J) for the element in question. Post-digestion spikes are performed when matrix spike recoveries are outside of control limits to determine whether the exceedance is due to the matrix or to the digestion procedure.

• Serial dilution percent differences exceeded 10% for chromium, cobalt, and manganese. Consequently, the results for these analytes in all samples were qualified as estimated (J).



• Post-digestion spike recoveries for analytes that exceeded matrix spike criteria were all within acceptance limits.

#### J. Sample Dilutions and Reanalyses

Samples analyzed at dilution and the reasons for the dilutions are as follows:

• All soil and water samples required dilutions ranging from 10-fold to 10,000-fold in order to quantify concentrations of 1,3,5-trinitrobenzene, 2,4-dinitrotoluene, and/or TNT exceeding the calibration range in the undiluted analyses. Results for all other analytes in most samples were reported from the undiluted runs. Exceptions were the DB4A soil and water samples, which were reported from a single dilution each (10-fold for LL2DB4A-SS-104SN-0001 and 100-fold for LL2DB4A-GW-100SN) and water sample LL3EB4A-EPA3SW, for which the least dilute analysis was a 10-fold dilution. The reporting limits for these three samples were elevated accordingly.

#### K. Miscellaneous Comments

Positive detections for explosives on the primary HPLC column were confirmed on a second, dissimilar column. For analytes detected on both columns, the result selected for reporting was the higher of the two concentrations. Detections on one column that were not detected on the other (in the absence of matrix interferences) were reported as nondetect at the sample reporting limit. When the presence of an analyte on one column could not be confirmed due to matrix interferences (e.g., a large interfering peak on one column at the expected retention time of an analyte detected on the other column) the laboratory flagged the affected result "SMI" (sample matrix interference). During the data verification, the reviewer selected the positive result from the column without the interference for reporting and qualified the result as tentatively identified ("N").

Microbac reported results below their reporting limit but above the method detection limit (MDL) with a qualifier ("J"), in accordance with USEPA Contract Laboratory Program (CLP) conventions. During this data review, the "J" qualifiers were retained with the numeric results.

Except where affected by dilutions, the reporting limits met the project requirements specified in the QAPP Addendum.

The data package was sufficiently complete as to allow the verification of sample results in accordance with the QAPP and the LCG.



#### III. DETERMINATION OF DATA QUALITY AND USABILITY

Based on the findings of this data review, overall acceptable levels of accuracy, precision, and sensitivity were demonstrated. Representativeness, reproducibility, and comparability are assumed to be acceptable, given the use of consistent sampling procedures and strict adherence to SW846 methodologies. The analytical data are therefore considered usable for supporting project objectives, with the exception of four rejected antimony data points as summarized below:

<u>Analyte</u>	<b>Samples Affected</b>	<b>Reason for Rejection</b>
Antimony	LL3EB4A-EPA1SS	Excessively low recovery (2%)
	LL3EB4A-EPA2SS	in the associated matrix spike
	LL3EB4A-EPA3SS	
	LL3EB4A-EPA4SS	

Completeness was calculated at 98.0%, based on 204 total data points.

The final data set, with qualifiers, is presented in Tables 2 and 3. The following data qualifiers were used to note data usability:

- U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.
- J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
- JI = Estimated concentration because of a matrix effect, evidenced by a matrix spike recovery outside of control limits (but greater than 30%).
- RI = The nondetect sample result was rejected due to a recovery below 30% in the associated matrix spike. The presence or absence of the analyte could not be verified. The result is not usable.
- N = There is presumptive evidence that the analyte is present, but it has not been confirmed. The analyte is tentatively identified. There is an indication that the reported analyte is present, however, all quality control requirements necessary for confirmation were not met.

#### **IV. REFERENCES**

- SAIC. 2001. <u>Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the</u> <u>Ravenna Army Ammunition Plant, Ravenna, Ohio.</u> Part 2: Quality Assurance Project Plan. Prepared for the US Army Corps of Engineers, Louisville District. March 2001.
- URS. 2008. URS Group, Inc. Draft of the Work Plan for the Sampling of Soils Below Floor Slabs at LLs-2, 3, 4 and Excavation and Transportation of Contaminated Soils to Load Line 4 (Buildings G-1, G-1A, and G-3). Appendix A: Quality Assurance Project Plan Addendum. Prepared for the US Army Corps of Engineers. April 2008.
- USACE. 2002. <u>Louisville Chemistry Guideline</u>. Version 5. Environmental Engineering Branch, Louisville District, US Army Corps of Engineers. June 2002.

# Table 2Analytical Data Summary - Soil SamplesRVAAPOEPA Collocated Samples

PARAMETER	UNITS	L08040402-01 LL3EB4A- EPA1SS	L08040402-02 LL3EB4A- EPA2SS	L08040402-03 LL3EB4A- EPA3SS	L08040402-05 LL3EB4A- EPA4SS	L08040660-01 LL2DB4A- SS-104SN-0001
EXPLOSIVES						
1,3,5-Trinitrobenzene	mg/kg	19.6	0.851	1.3	6.82	2.48 U
1,3-Dinitrobenzene	mg/kg	1.47 J	0.247 U	0.248 U	0.157 J	2.48 U
2,4,6-Trinitrotoluene	mg/kg	27800	209	272	3670	36.6
2,4-Dinitrotoluene	mg/kg	17.1	0.188 J	0.160 J	1.94	2.48 U
2,6-Dinitrotoluene	mg/kg	0.646 N	0.247 U	0.248 U	0.250 U	2.48 U
2-Amino-4,6-dinitrotoluene	mg/kg	5.14 J	0.975	0.533	1.82	2.48 U
2-Nitrotoluene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
3-Nitrotoluene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
4-Amino-2,6-dinitrotoluene	mg/kg	4.71 N	1.53	0.724	1.98 J	1.63 J
4-Nitrotoluene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
НМХ	mg/kg	1.23 J	0.247 U	0.248 U	0.967	2.48 U
Nitrobenzene	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
Nitroglycerin	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
PETN	mg/kg	1.50 U	1.48 U	1.49 U	1.50 U	14.9 U
RDX	mg/kg	6.89 J	2.47 U	0.248 U	1.91	1.70 J
Tetryl	mg/kg	0.249 U	0.247 U	0.248 U	0.250 U	2.48 U
METALS						
Aluminum, Total	mg/kg	11700	13300	13300	11000	
Barium, Total	mg/kg	84.3	65.1	81.7	64.1	
Beryllium, Total	mg/kg	0.703	0.712	0.775	0.633	
Cadmium, Total	mg/kg	37.2	1.26	1.36	7.3	
Calcium, Total	mg/kg	12500	5960	10900	4850	
Chromium, Total	mg/kg	18.9 J	17.3 J	17.6 J	16.6 J	
Cobalt, Total	mg/kg	8.34 JI	10.5 JI	10.2 JI	9.81 JI	
Copper, Total	mg/kg	32.3	21.9	19.6	21.5	
Iron, Total	mg/kg	22900	29400	22900	21800	
Magnesium, Total	mg/kg	3900	3810	3720	3040	
Manganese, Total	mg/kg	344 J	317 J	334 J	310 J	
Potassium, Total	mg/kg	1430 JI	1530 JI	1390 JI	1260 JI	
Silver, Total	mg/kg	0.207 J	0.201 J	0.320 J	0.366 U	
Sodium, Total	mg/kg	127	89.3	105	69.6	
Vanadium, Total	mg/kg	17.9	20.4	19.2	16.8	
Zinc, Total	mg/kg	186	81.1	87.2	91	
Antimony, Total	mg/kg	RI	RI	RI	RI	
Arsenic, Total	mg/kg	10.3	11.4	10.5	10.7	
Lead, Total	mg/kg	70.7	21.3	90.1	28	1
Nickel, Total	mg/kg	22.8	25.1	23.5	22.9	1
Selenium, Total	mg/kg	0.274 JI	0.285 JI	0.366 JI	0.297 JI	1
Thallium, Total	mg/kg	0.159	0.191	0.143	0.17	1
Mercury, Total	mg/kg	0.173	0.0252 J	0.0327 J	0.0342 J	1

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

JI = Estimated concentration because of a matrix effect, evidenced by a matrix spike recovery outside of control limits (but greater than 30%).

RI = The nondetect sample result was rejected due to a recovery below 30% in the associated matrix spike. The presence or absence of the analyte could not be verified. The result is not usable.

N = There is presumptive evidence that the analyte is present, but it has not been confirmed. The analyte is tentatively identified. There is an indication that the reported analyte is present, however, all quality control requirements necessary for confirmation were not met.



#### Table 3 **Analytical Data Summary - Water Samples** RVAAP **OEPA Collocated Samples**

PARAMETER	UNITS	L08040402-04 LL3EB4A- EPA3SW	L08040660-02 LL2DB4A- GW-100SN
EXPLOSIVES			
1,3,5-Trinitrobenzene	ug/L	397	1370
1,3-Dinitrobenzene	ug/L	10.2 U	102 U
2,4,6-Trinitrotoluene	ug/L	7310	1470
2,4-Dinitrotoluene	ug/L	10.1 J	84.4 J
2,6-Dinitrotoluene	ug/L	10.2 U	102 U
2-Amino-4,6-dinitrotoluene	ug/L	102	263
2-Nitrotoluene	ug/L	10.2 U	102 U
3-Nitrotoluene	ug/L	10.2 U	102 U
4-Amino-2,6-dinitrotoluene	ug/L	125	339
4-Nitrotoluene	ug/L	10.2 U	102 U
НМХ	ug/L	8.14 J	104
Nitrobenzene	ug/L	10.2 U	102 U
Nitroglycerin	ug/L	10.2 U	102 U
PETN	ug/L	76.5 U	765 U
RDX	ug/L	70.9	960
Tetryl	ug/L	10.2 U	102 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.



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\*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

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# **Detailed Results**

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APPENDIX G Field Screening Core Location Coordinates

# Appendix G: Soil Core Location Coordinates (Obtained from GPS Unit)

POINTNAME LL3EA6A-SB-081SN	NORTHING 559413.527	EASTING 2371519.678
LL3EA6A-SB-082SN	559434.979	2371514.684
LL3EA6A-SB-084SN LL3EA6A-SB-085SN	559391.304	2371515.099
LL3EA0A-SB-0655N LL3EB4-SB-042SN	559403.457 559669.719	2371535.743 2370872.654
LL3EB4A-SB-062SN	559151.646	2370993.749
LL3EB4A-SB-066SN LL3EB9A-SS-076SN	559172.192 558867.014	2371066.23 2371061.11
LL2251-SS-032SN	561015.744	2373234.11
LL2251A-SS-033SN	561059.721	2373204.857
LL2DA28 LL2DA6-SB-073	561587.898 561561.346	2374205.047 2374237.404
LL2DA6-SB-073	561540.053	2374231.468
LL2DA6-SB-075	561555.844	2374225.226
LL2DA6-SB-076 LL2DA6-SB-077	561568.706 561555.832	2374219.213 2374213.552
LL2DA6A-SB-080	561121.339	2374479.627
LL2DA6A-SB-081	561089.462	2374472.18
LL2DA6A-SB-082 LL2DA6A-SB-083	561116.379 561131.171	2374464.672 2374456.83
LL2DA6A-SB-084	561110.402	2374450.062
LL2DB10-SB-090 LL2DB10-SB-091	561835.939 561861.503	2373293.145 2373329.6
LL2DB10-SB-091 LL2DB10-SB-092	561833.606	2373329.6
LL2DB10-SB-093	561788.981	2373315.212
LL2DB10-SB-094 LL2DB10-SB-095	561803.785 561760.193	2373357.27 2373348.387
LL2DB10-SB-096	561698.986	2373343.617
LL2DB10-SB-097	561732.566	2373378.249
LL2DB10-SB-098 LL2DB10-SB-099	561703.733 561675.505	2373370.513 2373360.595
LL2DB10-SB-100	561693.194	2373396.479
LL2DB10-SB-101	561672.053	2373381.917
LL2DB10-SB-102 LL2DB10-SB-103	561647.222 561657.358	2373378.987 2373417.32
LL2DB11-060-SN	562178.732	2373115.641
LL2DB19-SS-002SN LL2DB2-SS-019SN	559856.255	2374382.473
LL2DB2-SS-0195N LL2DB20-SS-004SN	559924.93 560026.679	2374345.755 2374349.013
LL2DB22-SS-006SN	560087.342	2373850.684
LL2DB25-SS-007SN LL2DB27-066	560501.359 562865.168	2374054.905 2373585.683
LL2DB27-068	563175.136	2374213.771
LL2DB27B67	563183.614	2374037.479
LL2DB27C-069SN LL2DB3-SS-005SN	563418.242 560118.753	2374344.624 2374248.034
LL2DB30-SS	560915.274	2374240.034
LL2DB4-SB-034SN	561273.232	2373664.235
LL2DB4-SB-035SN LL2DB4-SB-036SN	561293.829 561307.991	2373703.442 2373739.514
LL2DB4-SB-037SN	561344.082	2373798.173
LL2DB4-SB-038SN LL2DB4-SB-039	561374.408 561354.268	2373819.194 2373828.663
LL2DB4-SB-039 LL2DB4-SB-040	561325.186	2373815.828
LL2DB4-SB-041SN	561308.381	2373785.139
LL2DB4-SB-042SN LL2DB4-SB-043SN	561283.446 561263.045	2373741.504 2373700.135
LL2DB4-SB-044SN	561231.877	2373689.935
LL2DB4-SB-045SN	561253.978	2373733.003
LL2DB4-SB-046SN LL2DB4-SB-047SN	561277.213 561303.847	2373773.239 2373828.208
LL2DB4-SB-048	561289.89	2373830.488
LL2DB4-SB-049SN LL2DB4A-SB-013SN	561325.948 560839.517	2373857.676 2373905.839
LL2DB4A-SB-013SN LL2DB4A-SB-014SN	560864.999	2373905.839
LL2DB4A-SB-015SN	560889.217	2373986.134
LL2DB4A-SB-016SN LL2DB4A-SB-017SN	560919.039 560943.195	2374030.552 2374028.185
LL2DB4A-SB-018SN	560938.103	2374020.105
LL2DB4A-SB-019SN	560901.466	2374063.539
LL2DB4A-SB-020SN LL2DB4A-SB-021SN	560879.483 560853.573	2374024.299 2373978.645
LL2DB4A-SB-022SN	560829.275	2373941.729
LL2DB4A-SB-023SN	560800.847	2373925.06
LL2DB4A-SB-024SN LL2DB4A-SB-025SN	560820.388 560844.716	2373966.552 2373999.557
LL2DB4A-SB-026SN	560848.602	2374044.237
LL2DB4A-SB-027SN LL2DB4A-SB-028SN	560841.6 560891.256	2374081.96 2374094.346
LL2DB4AVP1-SS-088SN	560762.761	2374094.340
LL2DB4VP1	561390.701	2373691.594
LL2DB8 LL2DB8-SS-031SN	561979.127 560843.055	2372780.189 2373440.256
LL2DB802-1	559664.65	2374531.211
LL2DB9-055	561467.961	2373522.662
LL2DB9A-SS-008SN LL2DC1-SS-086SN	560580.477 559921.419	2374006.55 2374577.359
LL3EA28-SS-034SN	559879.174	2371254.507
LL3EA28A-SS-054SN	559433.596	2371492.832
LL3EA6-SB-086SN LL3EA6-SB-087SN	559842.908 559833.487	2371296.11 2371276.86
LL3EA6-SB-088SN	559853.147	2371279.112
LL3EA6-SB-089SN LL3EA6-SB-090SN	559864.616 559872.602	2371261.705 2371279.112
LL3EA6-SB-090SN LL3EA6A-SB-083SN	559872.602 559429.243	2371279.112 2371499.95
LL3EB10-SB-013SN	559976.493	2370424.747
LL3EB10-SB-014SN LL3EB10-SB-015SN	560024.541 560074.426	2370398.694 2370384.086
LL3EB10-SB-016SN	560111.63	2370354.080
LL3EB10-SB-017SN	560158.865	2370330.716
LL3EB10-SB-018SN	560146.669	2370356.468

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# Appendix G: Soil Core Location Coordinates (Obtained from GPS Unit)

	NORTHING	FAOTINO
POINTNAME LL3EB10-SB-019SN	NORTHING 560095.761	EASTING 2370382.372
LL3EB10-SB-020SN	560047.454	2370405.928
LL3EB10-SB-021SN	560007.986	2370433.501
LL3EB10-SB-022SN	559994.178	2370458.096
LL3EB10-SB-023SN	560039.554	2370431.195
LL3EB10-SB-024SN	560082.908	2370399.558
LL3EB10-SB-025SN LL3EB10-SB-026SN	560126.227 560180.59	2370385.02 2370358.779
LL3EB10VP1-SS 000SN	560113.965	2370468.465
LL3EB10VP2-SS-000SN	560044.336	2370506.052
LL3EB10VP2-TNT	560060.418	2370507.969
LL3EB19-SS-001SN	558152.298	2371440.302
LL3EB2-SS-002SN	558213.008	2371401.042
LL3EB20-SS-079SN LL3EB22-SS-003SN	558333.178 558377.927	2371396.455 2370904.596
LL3EB25-SS-077SN	558797.453	2371107.146
LL3EB4-SB-037SN	559568.941	2370708.815
LL3EB4-SB-038SN	559593.694	2370748.29
LL3EB4-SB-039SN	559621.552	2370789.93
LL3EB4-SB-040SN	559645.74	2370828.937
LL3EB4-SB-041SN LL3EB4-SB-043SN	559663.583 559630.735	2370833.507 2370866.41
LL3EB4-SB-044SN	559607.404	2370823.769
LL3EB4-SB-045SN	559595.047	2370784.484
LL3EB4-SB-046SN	559568.25	2370741.225
LL3EB4-SB-047SN	559535.617	2370736.196
LL3EB4-SB-048SN	559556.512	2370775.936
LL3EB4-SB-049SN	559579.239	2370822.28
LL3EB4-SB-050SN LL3EB4-SB-051SN	559603.849 559599.737	2370848.058 2370893.133
LL3EB4-SB-052SN	559628.425	2370908.608
LL3EB4A-SB-058SN	559229.374	2371142.571
LL3EB4A-SB-059SN	559221.232	2371083.654
LL3EB4A-SB-060SN	559203.167	2371080.532
LL3EB4A-SB-061SN	559175.784	2371038.645
LL3EB4A-SB-063SN LL3EB4A-SB-064SN	559128.199 559122.749	2370961.489 2370981.872
LL3EB4A-SB-065SN	559149.042	2371026.852
LL3EB4A-SB-067SN	559199.129	2371116.596
LL3EB4A-SB-068SN	559201.562	2371150.825
LL3EB4A-SB-069SN	559170.708	2371125.357
LL3EB4A-SB-070SN	559169.32	2371111.083
LL3EB4A-SB-070SN	559182.227	2371111.053
LL3EB4A-SB-071SN LL3EB4A-SB-072SN	559155.59 559122.135	2371062.555 2371020.222
LL3EB4A-SB-073SN	559105.155	2370980.237
LL3EB4AVP1-SS	559055.586	2371082.16
LL3EB4VP1-SS-033SN	559679.441	2370737.448
LL3EB9-SS-032SN-0001	559766.214	2370571.554
LL4G10-SS-039SN-0001 LL4G11-SS-023SN-SO	555676.72	2365359.326
LL4G11-SS-023SN-SO LL4G13-SS-020SN-0001	556089.479 555205.445	2365196.02 2364631.91
LL4G13A-SS-019SN	555180.047	2364533.896
LL4G13V2-SS-030SN	555095.512	2364654.318
LL4G15-SB-031SN	555353.528	2364614.753
LL4G15-SB-032SN	555340.045	2364621.494
LL4G16-SS-021SN-0001	555769.838	2364404.606
LL4G17-SS-026SN-0001 LL4G18-SS-027SN-SO	555051.867 555078.444	2364235.117 2364123.71
LL4G19-SS-037SN-0001	554993.338	2364104.727
LL4G19A-SS-038SN	555046.94	2364080.779
LL4G2-SS-029SN-0001	555907.34	2366366.19
LL4G20-SS-036SN	555065.729	2365955.285
LL4G6-SS-035SN-0001	555118.851	2365853.806
LL4G6A-SS-028SN-0001 LL4G7-SS-003SN	554540.768 555591.717	2364439.737 2365575.64
LL4G8-SB-001SN	555491.533	2365395.502
LL4G8-SB-002SN	555480.857	2365425.746
LL4G8-SB-003SN	555516.779	2365449.895
LL4G8-SB-004SN	555529.591	2365486.092
LL4G8-SB-005SN	555546.225	2365531.588
LL4G8-SB-006SN LL4G8-SB-007SN	555568.989 555556.058	2365493.072 2365452.626
LL4G8-SB-007SN LL4G8-SB-008SN	555541.643	2365452.626
LL4G8-SB-009SN	555540.183	2365379.442
LL4G8-SB-010SN	555569.08	2365428.886
LL4G8-SB-011SN	555583.777	2365466.05
LL4G8-SB-012SN	555606.014	2365516.062
LL4G9-SB-033SN-SO LL4G9-SB-034SN-SO	555966.364 555978.573	2364904.301 2364914.246
	2000/0.0/0	200 1017.270

 $K: \label{eq:linear} K: \lab$ 

APPENDIX H Comment Response Table

July 1, 2009

Page 1 of 20

Comment Number	Page No./ Line No.	New Page or Sheet	Comment	Recommendation	Response
				Ohio EPA (Eileen Mohr)	<u> </u>
1	General		In at least one area, red staining in soil and surface water appeared after the screening had taken place. This area was noted by Ohio EPA and sampled on the same date for explosives compounds. The area was subsequently covered with plastic and designated as an excavation area.	Questions:	All building footprints were walked and inspected during the MI sampling (which occurred after the field screening). Additionally, the high potential buildings with covered plastic areas have been walked weekly since the cover was installed.
2	General		There is concern regarding the usage of the screening samples for identifying potential excavation areas based upon the results presented in this report. The excavation areas (based on lack of correlation between field and lab samples) may have been underestimated.	<ul> <li>were approximately 878 mg/kg (or greater) for TNT covered with plastic? Please confirm, as at that concentration it appears that the established CUG could be exceeded.</li> <li>b. The text later on (pg 3-4) indicates that these areas should conservatively be proposed for excavation. It is Ohio EPA's position that these areas must be excavated based upon the screen/lab correlation results.</li> </ul>	<ul> <li>a. As stated on pg. 3-3, there was one field screening sample where TNT was detected above 878 mg/kg, but below the IROD cleanup goal. This occurred at Building EB-4, which was covered with plastic.</li> <li>b. Agree. The word "should" was changed to "will"</li> </ul>
				c. There is a sample in which the TNT screen was reported at 206 mg/kg but which was	

July 1, 2009

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Comment	Page No./	New Page or			
Number	Line No.	Sheet	Comment	Recommendation	Response
				<ul> <li>screening samples had related laboratory confirmation samples. In an instance such as this, how can we be assured that we do not have other areas that are being screened as under the CUG, yet in actuality may be exceeding the CUG based upon lab analysis?</li> <li>d. There is some speculation in the text that the lack of correlation may be due to inconsistency in sample prep. That may be part of the issue. Discussion is needed</li> </ul>	<ul> <li>c/d. URS can only surmise as to the reasons for the variation in the analytical results. The entire screening sampling program is based upon the sampling of designated discrete sample areas. The acknowledged inconsistencies in discrete soil sampling results for explosive compounds are the primary drivers for MI soil sampling. It is entirely reasonable to hypothesize that a small grain of explosive compound was entrained in the split of the sample that went to the laboratory processing of the entire soil sample produced a more representative analysis due to the processing itself. The homogeneity of the MI and Method 8330 B processing itself have been proven to provide a more representative sample analysis through duplicate sampling QA. The laboratory-selected aliquot for actual extraction and analysis from the jar represents the entire sample jar volume regardless of any included original segregated grains of explosive compounds.</li> <li>Field screening is not in any way considered confirmatory sampling. It is used for safety puuposes and to give us an idea where to start excavation as well as cover an area immediately after slab demolition to help prevent the spread of contamination.</li> <li>e Agreed. URS is prepared to provide technical assistance regarding the knowledge base assimilated to date.</li> <li>f This issue is being discussed with regard to the Load Line 1 Work Plan.</li> </ul>

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					g. Yes. Since there was only one detection between 878 mg/kg and the TNT cleanup goal of 1,646 mg/kg, and that detection was in a boring where there already was a TNT exceedance, the figures represent exceedances based upon the 878 mg/kg screening number.
3	General		The issue of sampling outside of the building footprints needs resolution. Ohio EPA formally invoked the additional work clause on this issue on 02/15/2007.	Request dialogue with the Army to resolve this outstanding issue. Resolution should occur prior to commencing LL1 work.	It is agreed that contamination could have spread into areas outside of building footprints during slab and building demolition. This issue will require further stakeholder discussions and may be addressed outside of the current URS contract.
4	General		Ultimately the decisions regarding limits of final excavation are going to need to be made based upon processed MI samples.	It is unclear where we are left on this project given the uncertainty and lack of correlation between the screening and laboratory samples. Discussion needed.	The field screening reported here is not in any way confirmatory sampling. The confirmatory MI sampling done either after screening or after excavation will be used to support remedial decisions.
5	2-1/25		The text discusses taking 3 samples within the core that best represent the range of materials found in the core.	What criteria is this based on? Staining? Lithology? Etc. Please explain.	The soil screening cores were sampled by collecting the top and bottom intervals. Each core was then evaluated for any visible indications of impact such as staining. If there were no visible indications of impact then an effort was made to ensure that all soil lithology types (sand, clay, and silt) were sampled for analysis within the recovered interval.
					The text has been modified as follows: "Five discrete portions of the core were selected for field analyses: the top, three portions within the core that best represented the range of lithologies found in the core and any visual signs of impact and the bottom."
6	2-1/28		The text indicates that the most	On what basis was the most representative	The reference in the text to the "most representative core" is

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			representative core was used for screening.	core determined? Were all available intervals that were recovered screened?	a reference to the core attempt (at least 5 made per sample location with refusal prior to 4.0 ft bgs) with the most recovery which is considered to be the most representative. The text was modified as follows: " <i>After several sampling attempts, the most representative</i>
					core (best recovery) was used for screening."
7	2-1/38		The text indicates that one discrete sample was obtained from the medium priority buildings and screened for TNT/RDX.	Please confirm that this is what is in the SOW/workplan. (I do not have it in front of me.) We may need to re-think this based upon the poor correlation we are seeing between the field and lab results. One sample may not be	The Work Plan required one discrete sample from each low and medium potential building. This item is being discussed within the context of the Load Line 1 Work Plan.
			This comment also applicable to low priority buildings.	enough and perhaps it should be MI vs. discrete.	
8	2-2/10		The text discusses slab removal clearance by BRACD.	Further discussion of this step is warranted, as it was not a requirement in the SOW, nor in the workplan (I believe).	This procedure was discussed during the field kick-off meeting held March 25, 2008.
					This item is being discussed further within the context of the Load Line 1 Work Plan. The BRACD contractor has informed URS that slabs are inspected after demolition and bulk quantities of contamination are cleared.
9	2-2/34-38		This section discusses modifications to field screening efforts subsequent to a field visit by Dr. Jenkins.	With respect to bullets 1 (decon of the knife) and 4 (documentation of control sample results on a daily basis, I am unclear as to why these were not a part of the process already. This is standard for projects at RVAAP. Please clarify.	The knife used to open the JMC core sleeves was decontaminated by inspecting for any residual soils from the previous sample and wiping with a clean paper towel (similar to the procedures followed with a Geoprobe®). The knife blade was put through a full multi-stage decontamination on a regular basis during the day. Each day the operation started with a clean wrapped knife blade.

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					Based upon the discussions with Dr. Jenkins during the QA inspection, the knife blade was fully decontaminated using the multi-stage process after each core sleeve opening and the inspection/paper towel wipe was discontinued.
					Prior to Dr. Jenkins' audit, control samples results that were out of range were not recorded on the daily sheet. Only the results that indicated the system was in control were documented. After his visit, all control sample results regardless of outcome were included on the laboratory bench sheets.
10	2-3/1-3		The text references that Dr Jenkins indicated that the results prior to his audit may have been biased low. Additionally it references a personal communication indicating that "none of the results obtained for RDX or TNT were near the established action levels."	In the report, basically any screening result at or greater than 878 mg/kg TNT could be assumed to be at or greater than the CUG of 1646 mg/kg. Also seen is a screening result of 206 mg/kg that had a 2040 mg/kg TNT lab result. How many tests were conducted prior to changing procedures? What is the potential impact on the project? Please supply a copy of Dr Jenkins report.	Dr. Jenkins' report will be included as an Appendix to the Field Screening Report and is attached to this table. The audit was conducted March 28, 2008, the third day of field screening analysis. A total of 80 samples were screened on March 14 and March 21, 2008. The highest detection of TNT in these samples was 2.0 mg/kg. The control sample results were all within an acceptable range for these dates. Dr. Jenkins' suggestions were made to help streamline, expedite, and document the process.
11	2-3/15-16		The text discusses mixing the soil sample in the bag and withdrawing a portion for the field screen. The rest of the sample is then sent to the lab where it is processed.	Additional discussion is needed regarding field screen and lab sample preparation. If lack of consistent prep results in the poor correlation that we are seeing between field and lab, this issue needs to be re-thought.	The issue is the extraordinary procedure in the laboratory to get a sufficiently homogenized sample for analysis. Duplicating this in the field negates the ability of the field screening technique to provide quick turnaround results. There is an additional safety concern with regard to mechanically disturbing the soil to that degree before it is

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Number	Line No.	Sheet	Comment	Kecommendation	Response known whether the soil is explosive.
12	2-4/5-9		The text discusses that after the screening sample collection that photo-reaction of TNT with sunlight resulted in some stained areas.	How much later did this occur? Can we be sure that any areas in which this may have occurred were caught during the rest of the field work? We need to establish protocols for handling this in the LL1 project and for re-evaluating LLs2-4.	The actual time required is not known and is probably quite variable. Many factors impact the time for the color reaction: weather (amount of sunlight, rain), soil moisture content, and explosive content of the soils. Additionally the impact of rain on the soils may serve as a method to expose explosive contaminated soils to sunlight. Since the MI sampling was conducted at least several weeks after screening sampling the time lapse should have been sufficient for photoreaction of any soils with concentrations sufficient for photoreaction.
					For Load Line 1, a minimum of 48 hours will be allowed before conducting field screening to allow photoreaction to take place.
13	Fig 2-4		Make changes to the figure.	<ul> <li>a. high potential building should be depicted in purple in the key.</li> <li>b. add some contour numbers to contour lines.</li> <li>c. add rectangle (building) to the key.</li> <li>d. add polygon shape to the key.</li> <li>e. add walkways to the key.</li> <li>f. fix RR tracks on map and key to be consistent.</li> </ul>	<ul> <li>a. The key has been changed to purple.</li> <li>b. Additional contour line elevations, where available, have been added.</li> <li>c. The rectangles have been keyed as additional outbuildings.</li> <li>d. The polygon shapes have been keyed as the vacuum pump system bag house.</li> <li>e. Walkways have been added to the key.</li> <li>f. The railroad tracks key has been made consistent.</li> </ul>
14	Fig 2-5		Make changes to the figure.	<ul><li>a. add basins to key and clarify what they were used for.</li><li>b. add rectangle (building) to the key.</li><li>c. add walkways to the key.</li><li>d. fix RR tracks on map and key to be consistent</li></ul>	<ul><li>a. The basins have been added to the key and their use added to the figure.</li><li>b. The rectangle has been added to the key</li><li>c. Walkways have been added to the key.</li><li>d. The railroad track key has been made consistent.</li></ul>
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15	Fig 2-6		Make changes to the figure.	<ul> <li>a. clarify why there are sample results</li> <li>presented on this figure and not others in this section.</li> <li>b. add some contour numbers to contour lines.</li> <li>c. add rectangle (building) to the key.</li> <li>d. add walkways to the key.</li> <li>e. fix RR tracks on map and key to be consistent.</li> </ul>	<ul><li>a. The sample results have been removed from this figure.</li><li>b. Contour line values have been added as available.</li><li>c. The rectangle has been added to the key.</li><li>d. Walkways have been added to the key.</li><li>e. The railroad track key has been made consistent.</li></ul>
16	Fig 2-7		Make changes to the figure.	<ul> <li>a. add basins to key and clarify what they were used for.</li> <li>b. add some contour numbers to contour lines.</li> <li>c. add rectangle (building) to the key.</li> <li>d. add walkways to the key.</li> <li>e. fix RR tracks on map and key to be consistent.</li> <li>f. clarify why there are sample results presented on this figure and not others in this section.</li> </ul>	<ul> <li>a. The basins have been added to the key and their use added to the figure</li> <li>b. Contour line values have been added as available.</li> <li>c. The rectangle has been added to the key.</li> <li>d. Walkways have been added to the key.</li> <li>e. The railroad track key has been made consistent.</li> <li>f. The sample results have been removed from this figure.</li> </ul>
17	Fig 2-8		Make changes to the figure.	<ul> <li>a. add basins to key and clarify what they were used for.</li> <li>b. add some contour numbers to contour lines.</li> <li>c. add walkways to the key.</li> <li>d. fix RR tracks on map and key to be consistent.</li> <li>e. building EA-28A not completely depicted?</li> </ul>	<ul> <li>a. The basins have been added to the key and their use added to the figure.</li> <li>b. The rectangle has been added to the key.</li> <li>c. Walkways have been added to the key.</li> <li>d. The railroad track key has been made consistent.</li> <li>e. Building footprint for EA-28A has been added.</li> </ul>
18	Fig 2-9		Make changes to the figure.	<ul><li>a. add some contour numbers to contour lines.</li><li>b. add walkways to the key.</li><li>c. fix RR tracks on map and key to be</li></ul>	<ul><li>a. Contour line elevations have been added as available.</li><li>b. Walkways have been added to the key.</li><li>c. The railroad tracks have been made consistent.</li></ul>

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				consistent. d. add rectangle (building) to the key.	d. The rectangle has been added to the key.
19	Fig 2-10		Make changes to the figure.	<ul><li>a. add some contour numbers to contour lines.</li><li>b. add walkways to the key.</li><li>c. add rectangle (building) to the key.</li><li>d. there is a structure that looks like a blast wall. Whatever the structure, please add to the key.</li></ul>	<ul><li>a. Contour line elevations have been added as available.</li><li>b. Walkways have been to the key.</li><li>c. The rectangle have been added to the key.</li><li>d. The structure being referred to is the rail road tie blast wall removed in 2005. The figure has been modified to label this as a former blast wall.</li></ul>
20	Fig 2-11		Make changes to the figure.	<ul><li>a. add some contour numbers to contour lines.</li><li>b. add walkways to the key.</li><li>c. fix RR tracks on map and key to be consistent.</li></ul>	<ul><li>a. Contour line elevations have been added as available.</li><li>b. Walkways have been added to the key.</li><li>c. The railroad tracks have been made consistent.</li></ul>
21	Fig 2-12		Make changes to the figure.	a. add some contour numbers to contour lines.	a. Contour line elevations have been added as available.
22	Table 2-1		Clarification requested.	Are these the actual number obtained, or the projected numbers from the SOW.	These are the numbers planned, as indicated by the use of the word "planned" in the Table title.
23	3-2/1		The text references other explosives that did not exceed 10 mg/kg.	Provide a short discussion at an appropriate point in the text regarding the other explosives and the corresponding concentrations.	The following insert was added to the text: "Table 3-5 indicates the range of detected concentrations of the other explosives as follows: 1,3,5-trinitrobenzene: 0.259 to 9.84 mg/kg 1,3-dinitrobenzene: 0.163 to 0.257 mg/kg 2,4-dinitrotoluene: 0.422 to 2.08 mg/kg 2,6-dinitrotolune: 1.07 mg/kg 2-amino-4,6-dinitrotoluene: 0.772 to 1.96 mg/kg 4-amino, 4,6-dinitrotoluene: 0.267 to 5.68 mg/kg"
24	3-2/8		Clarification requested.	Provide a short description of a constant error variance.	The following text has been added: "The linear regression model assumes that the standard deviations of the error terms (the part of the equation not

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					explained by the independent variable) must be constant and not dependent on the independent variable (i.e., the fixed laboratory results, in this case). A common technique to remedy this is to transform the data. A transformation of the data"
25	3-2/ graph		Туро.	Change "AT" to "At a."	"AT" has been changed to "At a".
26	3-3/3		Text revision needed.	Change to read: "and the cleanup level of 1646 mg/kg will be interpreted as"	"could" has been changed to "will".
27	3-3/8		Text revision requested.	Revise to read: "will be considered exceedences for the purpose of making remediation decisions."	"should" has been changed to "will".
28	3-3/1-21		Clarification requested.	Confirm that any areas identified with a TNT screening concentration of 878 mg/kg of TNT was covered with plastic.	Please see the response to General Comment 2a.
29	3-3/26-28		Clarification requested.	Was the area with a reported 206 mg/kg screening result for TNT (lab= 2040 mg/kg) covered with plastic?	Yes. This is stated on Pg. 3-3, lines 11-12.
30	3-3/26-34		Additional discussion warranted.	Due to the lack of correlation between screening results and lab results for TNT, there needs to be discussion regarding consistent sample preparation, prior to starting the LL1 project. Either that, or screening samples should not be utilized, i.e. we should just use lab samples for the initial screens.	This item is being discussed within the context of the Load Line 1 Work Plan.
31	3-4/10-11		Text revision requested.	Revise text to read: "Remediation will be conducted at locations where the TNT screening result is at, or above, 878 mg/kg."	The text has been revised as follows: "Remediation will be conducted at locations where the TNT screening results are at, or above 878 mg/kg."
32	3-4/10-11		Confirmation requested.	Confirm that all areas with a TNT screening concentration of at or above 878 mg/kg are	Please see the response to General Comment 2a. All building foot prints where TNT screening results above 878

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				covered with plastic. If these areas were not covered with plastic in the SOW timeframe (because they were initially assumed to not be an issue), please provide a chart detailing the timeframe in which they were covered.	mg/kg were covered within the prescribed time frame.
33	3-4/13-15		Additional discussion and resolution required from the Army.	The text indicates that several samples were collected outside of the building footprints and many contained concentrations of TNT well above the established CUG. The additional work clause under the DFFO was invoked (several times) by Ohio EPA beginning on February 15, 2007. As of this date, the Army has not provided the Ohio EPA with a proposed solution to this issue. Additional sampling needs to be conducted.	It is agreed that contamination could have spread into areas outside of building footprints during slab and building demolition. This issue will require further stakeholder discussion; but may be addressed outside of the current URS contract.
34	3-4/25		Text change requested.	Change to read: "preliminary, and will change pending review"	The word "may" has been changed to "will".
35	3-4/28		Text change requested.	Change to read: "Preliminary-draft facility- wide cleanup"	The words " <i>preliminary draft</i> " have been added to the sentence.
36	3-4/32		Text change requested.	Change to read: "preliminary and will change pending review"	The word "may" has been changed to "will".
37	Fig 3-1		Figure changes requested.	<ul> <li>a. the figure depicts areas proposed for excavation. In the key, add the screening level on which this is based (i.e. minimally it should be 878 mg/kg).</li> <li>b. add basins to the key and clarify what they were used for .</li> <li>c. fix RR tracks on map and key to be consistent.</li> </ul>	<ul><li>a. "Based on a screening level of 878 mg/kg TNT" has been added to the figure.</li><li>b. Basins have been added to the key along with their use.</li><li>c. The railroad tracks have been made consistent with the key.</li></ul>
38	Fig 3-2		Figure changes requested.	a. the figure depicts areas proposed for	a. "Based on a screening level of 878 mg/kg TNT" has

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				<ul> <li>excavation. In the key, add the screening level on which this is based (i.e. minimally it should be 878 mg/kg).</li> <li>b. add basins to the key and clarify what they were used for .</li> <li>c. fix RR tracks on map and key to be consistent.</li> </ul>	<ul><li>been added to the figure.</li><li>b. Basins have been added to the key along with their use.</li><li>c. The railroad tracks have been made consistent with the key.</li></ul>
39	Table 3-1		Add footnote.	Add a clarifying footnote to the table that it will be MI samples that determine whether or not, and how much, excavation will occur.	Footnote "3" has been added to the table that states the following: " <sup>3</sup> "Any remediation at low potential buildings will be based on the results of the MI samples."
40	Table 3-2		Add footnote.	Add a clarifying footnote to the table that it will be MI samples that determine whether or not, and how much, excavation will occur.	Footnote "3" has been added to the table that states the following: " <sup>3</sup> "Any remediation at medium potential buildings will be based on the results of the MI samples."
41	Table 3-3		Table clarifications requested.	<ul><li>a. why were there several samples where RDX was not field analyzed?</li><li>b. please refer to other comments regarding the correlation between screening results and lab results.</li></ul>	<ul> <li>a. In several instances, the TNT sample had to be diluted and re-run. In those cases, RDX did not need to be re- analyzed for that particular sample. RDX was analyzed in the original, undiluted sample.</li> <li>b. Please see responses to other comments.</li> </ul>
42	Table 3-4		Clarification requested.	<ul> <li>a. please ensure that any areas &gt;/= 878 mg/kg (TNT) are included in this table.</li> <li>b. please ensure that the TNT screen result of 206 mg/kg (lab result 2040 mg/kg) is added to this table, as this area needed to be excavated.</li> </ul>	<ul> <li>a. There are no additional areas where the TNT results were between 878 and 1,646 mg/kg. The additional exceedance of 878 mg/kg TNT from one of the subsamples from LL3EB4-SB-042SN was added to the table.</li> <li>b. This table is titled field screening. Therefore, it would be inappropriate to include the false negative screening result. However, a footnote explaining the exceedance via the fixed laboratory result has been added.</li> </ul>
43	Table 3-6		The table depicts a screening result of 206 mg/kg TNT with a	Refer to the numerous comments in this correspondence regarding reliance on the	The field screening is only screening and is not in any way confirmatory sampling. It is used for safety purposes, to

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			corresponding lab result of 2040 mg/kg.	screening samples to initially determine excavation areas. We are not seeing good correlation. Additional discussion needs to occur to determine whether or not we have accurately determined the areas that need excavation. Lessons learned from this project need to be applied to LL1.	determine areas where cover should be applied immediately after slab demolition to help prevent the spread of contamination, and to provide where initial excavation should begin. Confirmatory multi-increment sampling will provide confirmation that the top 1 foot of soil does not exceed cleanup goals.
44	Table 3-7		This table summarizes results outside of the building footprints.	The issue of sampling outside of the building footprints that Ohio EPA invoked the additional work clause on, needs resolution.	It is agreed that contamination could have spread into areas outside of building footprints during slab and building demolition. This issue will require further stakeholder discussion; but may be addressed outside of the current URS contract.
45	4-1/3-6		Text addition/revision requested.	The final determination as to whether or not excavation will be needed at the low and medium priority buildings will be based upon MI sampling.	The following sentence was added to this paragraph: "However, the final determination regarding remediation at the low and medium potential buildings will be based on the results of the MI sampling."
46	4-1/7-15		Text addition requested.	Any areas where the TNT screen exceeded 878 mg/kg needs to be excavated. Additionally, the area where the 206 mg/kg TNT screen (2040 mg/kg TNT result) needs to be excavated.	These areas were included in the text. The third sentence was revised as follows: "Eight exceedances (based on TNT screening levels greater than 878 mg/kg) ranged from 1,130 mg/kg to 4,860 mg/kgThe exceedances at Building EB-4 occurred in one soil core sample at two depths".
47	4-1/21		Text revision requested.	The samples taken by Ohio EPA were not confirmation samples. They were samples of pink water and red soil that appeared after URS has screened different areas in the vicinity. Additionally, Ohio EPA again raises the issue of whether or not other areas of the load lines	The samples were collected and field screened to confirm the results that the Ohio EPA had reported. The sentence was revised as follows: "and additional samples at the location where the Ohio EPA had sampled after screening were collected Please see the response to Comment 1.

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				were walked (post D/D, post screening and MI samples) to determine whether all impacted areas were identified.	
48	4-1/28 – 4- 2/2		Text additions requested.	<ul> <li>a. add approximate depths to all the excavation area bullets.</li> <li>b. confirm whether the 3 foot depth in the first bullet (vs. 4 feet) is due to refusal.</li> <li>c. were these areas based upon the 878 mg/kg TNT screen?</li> <li>d. have all impacted areas been identified and evaluated?</li> </ul>	<ul> <li>a. The text was modified to include the approximate depth information for each building.</li> <li>b. Yes. The deepest interval sampled was at 2.9 feet because of refusal. The exceedances occurred at the surface and just above the last sample depth. This has been added to the report text.</li> <li>c. Yes.</li> <li>d. All reasonable efforts to identify potentially impacted areas have been completed as per the SOW.</li> </ul>
49	4-2/3-8		This text discusses areas not delineated by the screening efforts.	These areas need to be delineated and excavated if above CUGs.	This is true and represents a data gap that needs to be addressed during the remediation phase of the project.
50	4-2/11-30		Text additions requested.	<ul> <li>a. add approximate depths to the 3<sup>rd</sup> bullet.</li> <li>b. confirm whether the 3 foot depth in the first bullet (vs. 4 feet) is due to refusal.</li> <li>c. why were no samples taken at depth from the area described in the second bullet?</li> <li>d. were these areas based upon the 878 mg/kg TNT screen?</li> <li>e. have all impacted areas been identified and evaluated?</li> </ul>	<ul> <li>a. Approximate depths at each location have been added.</li> <li>b. The 3 feet bgs reference is based upon a direct observation of the elevator sump shaft excavation side wall.</li> <li>c. This area was discovered on 05-16-08. All areas of the visual impact are outside of any building foot print. The shallow sampling was requested by the USACE and completed on a quick turn basis by URS within 2 hours of notification. It was not possible to safely complete vertical sampling in the short time frame. The areas were covered immediately after sampling.</li> <li>d. Yes.</li> <li>e. All reasonable efforts to identify potentially impacted areas have been completed as per the SOW.</li> </ul>
51	Fig 4-1		Figure revisions requested.	a. add some contour numbers to contour lines.	a. Contour elevation values have been added as available.

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Comment Number	Page No./ Line No.	New Page or Sheet	Comment	Recommendation	Response
				<ul> <li>b. add walkways to the key.</li> <li>c. fix RR tracks on map and key to be consistent.</li> <li>d. add rectangle (building) to the key.</li> <li>e. change entry in key to read: Proposed Excavation Area.</li> <li>f. add basins to the key and clarify what they were used for .</li> <li>g. clarify that the results depicted are screening results.</li> <li>h. clarify why some depth intervals are italicized.</li> <li>i. depths determined by refusal? Please specify.</li> </ul>	<ul> <li>b. Walkways have been added to the key.</li> <li>c. The railroad track symbols have been made consistent.</li> <li>d. A rectangle has been added to the key.</li> <li>e. The key and Figure Title has been changed to read</li> <li>"Proposed Excavation Area".</li> <li>f. Basins and their use have been added to the key.</li> <li>g. A footnote has been added that indicates results are based on field screening</li> <li>h. The figure has been revised so that none of the depth intervals are italicized.</li> <li>i. At all locations where the deepest interval was less than 4 feet the reason was refusal. This has been added to the report text.</li> </ul>
52	Fig 4-2		Figure revisions requested.	<ul> <li>a. add some contour numbers to contour lines.</li> <li>b. add walkways to the key.</li> <li>c. fix RR tracks on map and key to be consistent.</li> <li>d. add rectangle (building) to the key.</li> <li>e. change entry in key to read: Proposed Excavation Area.</li> <li>f. clarify that the results depicted are screening results.</li> <li>g. clarify why some depth intervals are italicized.</li> <li>h. depths determined by refusal? Please specify.</li> <li>i. the text on page 3-3 references core 82A, 4<sup>th</sup> interval where the TNT screen result was 206 mg/kg. This cannot be found on the</li> </ul>	<ul> <li>a. Contour elevation values have been added as available.</li> <li>b. Walkways have been added to the key.</li> <li>c. The railroad track symbols have been made consistent.</li> <li>d. A rectangle has been added to the key.</li> <li>e. The key and Figure Title has been revised to read</li> <li>"Proposed Excavation Area"</li> <li>f. A footnote has been added that indicates results are based on field screening</li> <li>g. The figure has been revised so that none of the depth intervals are italicized.</li> <li>h. At all locations where the deepest interval was less than 4 feet the reason was refusal. This has been added to the report text.</li> <li>i. The boring selected for confirmation analysis (82A) was a duplicate of a boring collected the previous day (82). The screening results for boring 82 were included on the figure</li> </ul>

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Comment Number	Page No./ Line No.	New Page or Sheet	Comment	<b>Recommendation</b> figure. The only one close is the one with a	<b>Response</b> because of the exceedance (4,020 mg/kg). Thus, only
				listed concentration of 4020 mg/kg is this supposed to be the lab result of 2040 mg/kg? If so, are screening and lab results being mixed on these figures?	screening results are shown on this figure. The text on pg. 3-3 has been revised to correct the 2,110 mg/kg result to 4,020 mg/kg for the original boring.
53	Fig 4-3		Figure revisions requested.	<ul> <li>a. add some contour numbers to contour lines.</li> <li>b. add walkways to the key.</li> <li>c. fix RR tracks on map and key to be consistent.</li> <li>d. add rectangle (building) to the key.</li> <li>e. change entry in key to read: Proposed Excavation Area.</li> <li>f. clarify that the results depicted are screening results.</li> <li>g. clarify why some depth intervals are italicized.</li> <li>h. depths determined by refusal? Please specify.</li> <li>i. add vacuum pump houses to the key.</li> <li>j. discussion needed regarding excavation at location DB4-SB-048 due to elevated screening result of TNT (just under 878 mg/kg).</li> <li>k. what is the confidence level that the lateral extent of the proposed excavation area on the western and northern sides has been determined?</li> </ul>	<ul> <li>a. Contour elevation values have been added as available.</li> <li>b. Walkways have been added to the key.</li> <li>c. The railroad track symbols have been made consistent.</li> <li>d. A rectangle has been added to the key.</li> <li>e. The key and Figure Title have been revised to read</li> <li>"Proposed Excavation Area"</li> <li>f. A footnote has been added that indicates results are based on field screening</li> <li>g. The figure has been revised so that none of the depth intervals are italicized.</li> <li>h. At all locations where the deepest interval was less than 4 feet the reason was refusal. This has been added to the report text.</li> <li>i. Vacuum bag houses have been added to the key.</li> <li>j. Since the adjusted CUG was not exceeded, this area was not proposed for remediation. Confirmatory sampling at depth is currently being discussed among stakeholders, which would confirm whether this area requires remediation.</li> <li>k. All reasonable efforts to identify potentially impacted areas have been completed as per the SOW. There is no way to be completely sure that "all areas" have been identified. This issue will be addressed during the excavation phase of the project.</li> </ul>

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Comment Number	Page No./ Line No.	New Page or Sheet	Comment	Recommendation	Response
54	Fig 4-4		Figure revisions requested.	<ul> <li>a. add some contour numbers to contour lines.</li> <li>b. add walkways to the key.</li> <li>c. fix RR tracks on map and key to be consistent.</li> <li>d. add rectangle (building) to the key.</li> <li>e. change entry in key to read: Proposed Excavation Area.</li> <li>f. clarify that the results depicted are screening results.</li> <li>g. clarify why some depth intervals are italicized.</li> <li>h. depths determined by refusal? Please specify.</li> <li>i. discussion needed on extent of excavation (laterally and vertically) depicted on the north side of DB-10. How was this determined?</li> </ul>	<ul> <li>a. Contour elevation values have been added as available.</li> <li>b. Walkways have been added to the key.</li> <li>c. The railroad track symbols have been made consistent.</li> <li>d. A rectangle has been added to the key.</li> <li>e. The key and Figure Title have been revised to read "Proposed Excavation Area".</li> <li>f. A footnote has been added that indicates results are based on field screening.</li> <li>g. The figure has been revised so that none of the depth intervals are italicized.</li> <li>h. At all locations where the deepest interval was less than 4 feet the reason was refusal. This has been added to the report text.</li> <li>i. The excavation estimates were based upon the sample analytical results and visually stained areas. The stained areas are not contiguous and the entire area was highly disturbed by demolition activities. Therefore, the entire horizontal area between the stained locations is included in the designated "excavation area". Vertically the estimated depth is based upon soil conditions observed during sampling. This information was added to the text on Page 4-2.</li> </ul>
55	Fig 4-5		Figure revisions requested.	<ul> <li>a. add some contour numbers to contour lines.</li> <li>b. add walkways to the key.</li> <li>c. fix RR tracks on map and key to be consistent.</li> <li>d. add rectangle (building) to the key.</li> <li>e. change entry in key to read: Proposed Excavation Area.</li> </ul>	<ul> <li>a. Contour elevation values have been added as available.</li> <li>b. Walkways have been added to the key.</li> <li>c. The railroad track symbols will be made consistent.</li> <li>d. A rectangle has been added to the key.</li> <li>e. The key and Figure Title have been edited to read</li> <li>"Proposed Excavation Area".</li> <li>f. A footnote has been added that indicates results are</li> </ul>

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Comment Number	Page No./ Line No.	Page or Sheet	Comment	Recommendation	Response
				<ul> <li>f. clarify that the results depicted are screening results.</li> <li>g. clarify why some depth intervals are italicized.</li> <li>h. depths determined by refusal? Please specify.</li> <li>i. discussion needed on extent of excavation (laterally and vertically) depicted on the NW side of EB-4A. How was this determined?</li> <li>j. discussion needed regarding lack of excavation in the vicinity of EB4A-SB-58. The 4 foot interval is close to the 878 mg/kg screen number.</li> </ul>	<ul> <li>based on field screening.</li> <li>g. The figure has been revised so that none of the depth intervals are italicized.</li> <li>h. At all locations where the deepest interval was less than 4 feet, the reason was refusal.</li> <li>i. The estimated excavation area is based horizontally upon the visually stained area and the analytical results from LL3EB4A URS-EPA1, 2, 3, and 4. The horizontal estimate is based upon analytical results from LL3EB4A-SB-058-SN which indicates impact (not exceedance) to 4.0 feet bgs.</li> <li>Additionally, the sump at EB-4AWN is assumed to be the source area. The elevation of the sump bottom (4 ft below the building slab elevation) so the 4.0 ft bgs is below the former sump bottom.</li> <li>j. Since the adjusted CUG was not exceeded, this area does not require remediation. Confirmatory sampling at depth is currently being discussed among stakeholders, which would confirm whether this area requires remediation.</li> </ul>
56	Арр В		Quality surveillance forms generated by previous BRACD RVAAP interim facility manager.	Discussion needed on whether or not this is carried over to the LL1 project. It was not part of the original SOW. While Ohio EPA does not have an issue with this inspection being conducted for potential safety purposes, it cannot impact the schedule regarding sampling and potentially covering with plastic. If they are used, they are to be filled out	This issue is being discussed relative to the Load Line 1 Work Plan. URS agrees to do everything possible to ensure the sampling and plastic covering schedules are not impacted. However, URS had no control over the completion of these forms. These forms are no longer being used by BRACD and, therefore, will not be used during future sub-slab sampling.

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Comment Number	Page No./ Line No.	New Page or Sheet	Comment	Recommendation	Response
Tumber		Sheet	Comment	completely and accurately.	Kesponse
57	App C		Introduction to sampling report forms.	<ul> <li>a. please add to the introduction that the final QC review was done as a request of the regulators.</li> <li>b. for samples logged in at the same time, please provide additional discussion in paragraph 2 as to how this could have occurred.</li> </ul>	<ul> <li>a. The introductory sentence has been revised as follows:</li> <li><i>"A final Quality Control checkwas done at the request of the regulators"</i></li> <li>b. As an efficiency two sample crews were utilized simultaneously to collect the screening samples. The crews remained within very close proximity to each other enabling them to use a single data recording member to complete the sample forms for both teams with consistency. Therefore similar sample (within a few minutes) times have been recorded on the sample forms. This detail has been added to the Introduction to Appendix C. Multi-logging will not be done in future field sampling events.</li> </ul>
58	App C		Future field effort sampling forms.	<ul> <li>a. make sure they are accurately and completely filled out.</li> <li>b. when indicating refusal, document the reason why if known. Bedrock? Demo debris?</li> <li>c. unless it can be demonstrated that errors will not occur by having one person documenting sampling observations/times etc. at multiple holes at the same time do not do this.</li> <li>d. the protocol for changing log entries (one line strike out and initial) is consistently not followed. This must be done. For example, there is more than one log in here where the sample location is clear, but it is not clear when (and by whom) it was changed. This is not acceptable.</li> </ul>	All of these issues will be addressed in any future sampling efforts.

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				e. On one log, the sample was obtained on April 21, 2008. The first time it was QC checked was 11/11/08. Again, not acceptable.	
59	App E-1		Clarification requested.	On several of the TNT soil test worksheets, there is the notation that the sample ID was corrected. When did this occur? Who corrected them? What impact could this have on the data?	Sample IDs for screening were QC checked against the Field Forms by the QC Manager (Peggy Schuler) to ensure consistency. This check was done within 24-48 hours after the sampling. This should have had no impact on the data.
60	App E-2		Clarification requested.	On several of the RDX soil test worksheets, there is the notation that the sample ID was corrected. When did this occur? Who corrected them? What impact could this have on the data?	Sample IDs for screening were QC checked against the Field Forms by the QC Manager (Peggy Schuler) to ensure consistency. This check was done within 24-48 hours after the sampling. This should have had no impact on the data.
61	App F		Addition requested.	Provide copies of the chain of custody and waybill forms (if applicable). This is a standard part of RVAAP projects.	Noted. The Chains of Custody and any way bills will be included in the final report.
62	App F		Discussion needed.	There needs to be discussion regarding the use of discrete unprocessed samples to identify areas where excavation should occur. There wasn't very good correlation observed in this project.	<ul><li>The low bias indicated by the correlation samples has been addressed by the adjustment to the TNT cleanup goal for making cover and remediation decisions.</li><li>It is agreed that good correlation was not observed on this project regarding field screening. However, the screening does provide information for safety purposes and where to start excavating.</li></ul>
63	App F		Clarification requested.	The text on page 2 (first report) indicates that sample IDs on the COC were incorrectly identified on the COCs and the resulting lab reports, but were later changed for the report. When did this occur? Who corrected them?	The chain of custody is reviewed by the QC manager, Peggy Schuler, the day after the samples are shipped. Any incorrect IDs are corrected at that time. This has no impact on the quality of the data.

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				What impact could this have on the project?	
64	App F		COC forms.	The text indicates that analyses were inadvertently left off the 04/21/08 COC. Have someone do a check of the COCs before samples are submitted to the lab to ensure that they are properly and completely filled out.	This will be done in the future.
65	App G		Core coordinates.	Indicate whether these were surveyed in or GPS was used.	The coordinates for the borings were all obtained from a GPS unit, as per the approved Work Plan. This statement will be added to header in Appendix G.

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APPENDIX I Dr. Thomas. S. Jenkins Report, March 2008

# Quality Assurance Inspections – Ravenna AAP

## March 28, 2008

#### Overview

On March 28, 2008, I met with Cindy Reis of the Louisville District, Corps of Engineers at the site of the former Ravenna Army Ammunition Plant. My assignment was to observe the soil sampling and on-site analysis being conducted by URS Corporation under contract to the Louisville District, and to make recommendations with regard to the quality of the work being conducted.

I met with Stan Levenger, the URS Project Manager, and with him and Cindy Reis I observed soil sampling being conducted on March 28. The field team collected both 1 ft depth and 4 ft depth samples during our inspection.

The samples were returned to the field laboratory, where the plastic core liners were opened, and the increments of soil from prescribed depths were placed in individual plastic bags.

The samples in plastic bags were then taken to the analysis room where I observed sample processing and on-site analysis for TNT and RDX using the EnSys colorimetric TNT and RDX tests. The field chemist conducting this portion of the work was Brenda Pratt.

Specific observations and recommendations were made to Mr. Levenger and Ms. Pratt prior to departing the site. These observations are summarized below, along with expanded explanations.

#### Field Sampling

Because of the heavy snow and late spring in 2008, many of the areas to be sampled had standing water present. In some places the water was several inches deep where ground-level slabs had been removed. There seemed a difference of opinion on whether the water filled these areas immediately upon slab removal or whether the water was due to precipitation from the previous nights rainfall. The contractor was concerned about collection samples through the overlying water due the possible contamination of subsurface samples during the collection.

Four-foot core samples were collected in an area where most of the slab area was flooded. Several high spots were present, however, and these spots were used to collect the required number of core samples. There appeared to be no other option for sampling this area because there is a requirement to sample within a prescribed time after slab removal has been inspected and approved. It was not possible to observe the surface of most of the area prior to selecting sampling locations due to the presence of the water. Overall, the sampling operation appeared to be conducted as well as possible under the field conditions present.

#### Core sample opening and collection of depth increments

The 4-ft core samples were returned to the field laboratory and placed on a fresh plastic surface where the plastic core liners were opened using a knife. The plastic was sliced twice along the entire length and the piece of plastic was removed. This allowed the removal of soil from the prescribed depths. The removal of depth samples was conducted in a careful and clean manner, with fresh gloves for each increment.

It was observed, however, that the knife used to slice open the cores came in contact with the soil inside the plastic core liner, and that the knife was not cleaned between core samples. Inspection of the knife blade did not reveal any noticeable soil clinging to the short portion that contacted the soil. Nevertheless, it is good practice to clean this blade before it is used for opening subsequent plastic liners to ensure that no carryover is possible between samples.

#### Sample weighing and extraction

The depth increment samples were taken to the analysis area within the field laboratory where subsampling was conducted. The field chemist carefully mixed each sample as best she could and then weighed out  $10.1 \pm 0.1$  g of soil into a the plastic weigh boat supplied in the EnSys kit. The soil was then transferred to the plastic extraction vessel that contains steel ball bearings. A 50-ml portion of acetone was added and the sample shaken quickly to disperse the soil. After all the soil samples (about 10) were weighed and the acetone added. Each sample was shaken vigorously for the prescribed 3-min period. The steel balls help to break up clumps and thereby improve the extraction kinetics.

I observed that this subsampling and weighing was conducted carefully with attention to collecting a representative subsample, and making sure that cross contamination did not take place. Since the samples were wet, a small amount of soil remained in the weigh boat and could not be completely transferred to the extraction vessel. The use of a 10.1 g sample, rather than 10.0 g compensated for this situation to some degree and any uncertainty resulting is minor.

#### EnSys colorimetric TNT test

I observed Ms. Pratt as she conducted the TNT test on two control samples. The result for the first sample was low compared with the acceptance criteria for the test. The result for the second control sample was within the acceptance range. Ms. Pratt conducted the test in an appropriate manner. A possible reason for the low result will be discussed below. No operational changes are required.

#### EnSys colorimetric RDX test

I observed Ms. Pratt conduct the RDX test on a number of control samples and a soil extract. The results for the control sample were consistently low compared to the acceptance criteria. I believe that some work is needed to improve the results from this test. Recommendations are given below.

#### Discussion and recommendations for the TNT test

The TNT test uses chemistry discovered in the 19<sup>th</sup> century by Janowski. The test for TNT in soil was developed by Jenkins (1990) using this chemistry, and the test was commercialized with a minor modification by EnSys Corporation, which as subsequently purchased by SDI Corporation. SDI now supplies the test materials and procedure.

The test involves the reaction of TNT (and other polynitroaromatics) with base resulting in the formation of the reddish colored Janowski anion if TNT is present. The intensity of the color produced is proportional to the concentration of TNT in the sample. The absorbance at 540 nm is used to measure the intensity of the color and the concentration is calculated using the Beer-Lambert Law.

The original test developed by Jenkins used potassium hydroxide as the base. EnSys modified the test and used tetrabutyl ammonium hydroxide as the base. Otherwise the test is identical to that developed by Jenkins.

The key step in this test is the rate of reaction of TNT in the acetone extract with the base. A 3-min reaction period is specified. This reaction period was developed for temperatures near room temperature. Reaction rates for chemical reactions are strongly temperature dependent. The rule of thumb is that the rate of reaction doubles for each 10 degree centigrade increase.

It was observed that the acetone used for this test is not maintained near room temperature and its temperature slowly rises over time when the small room used to conduct this test is warmed just before sample processing is initiated. The temperature of the acetone was probably not at room temperature when the first control sample was run, and this may have been the cause of the low result for the control sample. By the time the second control sample was run, the temperature of the acetone was higher, and the second control result was within the acceptance range.

In the past, the reported control sample results were within the acceptance range, however, I am not sure that results for non-compliance control samples have been recorded. My recommendation is that the acetone and test materials for the TNT test be maintained at room temperature, or that they be warmed to room temperature for an adequate period to achieve room temperature, before the test is run. Overall, I do not believe that results for this test that have already been run are compromised to any degree by the observations above. No samples have been near the action level, and the TNT test result would only be marginally low from the low temperature of the acetone.

#### Discussion and recommendations for the RDX test

The RDX test is also based on chemisty developed in the 19<sup>th</sup> Century. There are two steps to the test. Walsh and Jenkins (1991) utilized the two-reaction sequence to develop an on-site method for RDX. EnSys commercialized the test without modification.

In the first step, RDX (and other nitramines and organo nitrate esters) are converted to nitrous acid by zinc and acetic acid in a reaction know as the Francimont Reaction. In the second step, the nitrous acid is reacted with a Griess reagent (NitriVer reagent pillow) to convert the nitrous acid to a reddish-colored azo dye. The intensity of the color from the azo dye is proportional to concentration. The color intensity developed is measured by the absorbance at 510 nm.

Upon my introduction to Ms. Pratt, the field chemist, she immediately raised the issue of low results of the control sample for the RDX test. I had supplied a journal article (Jenkins and Walsh 1992) discussing this test and the TNT test to her (via Cindy Reis), and she had read the paper prior to my arrival on site. Ms. Pratt explained that she had contacted SDI Corporation about the low result for the control samples with the RDX test, but was not able to obtain any useful assistance from them.

I explained that the most critical step in this test is the reaction of the acetone extract with the zinc and acetic acid. The reagent contact time is critical, and if the contact time is too short, an incomplete conversion of the RDX to nitrous acid is the result, and if the contact time is too long, the nitrous acid continues to react with the zinc and is further reduced.

This step is described in the instruction supplied with the test as follows. "Remove plunger from 5cc zinc syringe and <u>quickly</u> pour the solution from the 13ml tube into the syringe barrel. Hold syringe over reaction vial as dripping will occur. Replace plunger and invert twice. **Rapidly** filter the solution into the 50ml Reaction vial."

As mentioned for the TNT test, the rate of chemical reactions is strongly dependent on the temperature. The acetone used to extract the RDX and the other contents of the test kit were not maintained at room temperature and were warming as tests were conducted. Thus the temperature of the reactants changed over the course of testing.

The results for control samples conducted during my observation period were consistently low, but as much as a factor of two. Discussion with Ms. Pratt indicated that

this had been the typical result. She was not able to reproduce the test result for the control samples.

I suggested that there were two possible reasons for the poor reproducibility and low results for the control samples. The first is the necessity of a small amount of water to be present when the acetone solution is reacted with the zinc. For soil extracts, this would not be a problem because the soil has sufficient water present, and this water would be extracted into the acetone. But for the control samples, the amount of water present in the commercial acetone might be inadequate. To ensure that this is not a problem, I recommended that about water should be added to the acetone to about 3% by volume.

The second potential reason is the temperature of the reactants. A low temperature could result in incomplete conversion of the RDX in the control sample to nitrous acid, and hence a low test result. My suggestion is to store acetone and the test kits at room temperature, or bring them to room temperature before conducting the test. The analyst should practice the test, paying special attention to the reaction time of the control sample with the zinc in the syringe, to ensure that reproducible results within the acceptance range are obtained. Once a constant temperature for the acetone and kit contents is achieved, some experiments to establish the proper reaction time should be conducted.

I estimate that results previously obtained using the RDX test could be low as much as a factor of two based on the absorbance values obtained for the control samples. In the future, all results for control samples should be documented to allow an assessment of the quality of analytical results obtained on a daily basis.

#### **References**

Jenkins, T.F. (1990) Development of a Simplified Field Method for the Determination of TNT in Soil. USACRREL Special Report 90-38.

Jenkins, T.F. and M.E. Walsh (1992) Development of Field Screening Methods for TNT, 2,4-DNT and RDX in Soil. Talanta, 39, 419-428.

Walsh, M.E. and T.F. Jenkins (1991) Development of a Field Screening Method for RDX in Soil. USACRREL Special Report 91-7.

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