APPENDIX F
DATA QUALITY ASSESSMENT

APPENDIX F

RVAAP Phase 1 Remedial Investigation Quality Control Summary Report

November 1996

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F.1 Purpose of this Report

Environmental data must always be interpreted relative to its known limitations and its intended use. As can be expected in environmental media of this type, there are areas and data points where the user needs to be cautioned relative to the quality of the project information presented. The data validation process and this data quality assessment are intended to provide current and future data users assistance throughout the interpretation of this data.

The purpose of this Quality Control Summary Report (QCSR) is: to describe Quality Control (QC) procedures followed to ensure data generated by SAIC during these investigations at RVAAP would meet project requirements; to describe the quality of the data collected; and to describe problems encountered during the course of the study and their solutions. A QA report will be completed by the US Army Corp of Engineers (ACE), Ohio River Division (ORD) Laboratory covering data generated from SAIC collected quality assurance (QA) split samples remanded to their custody.

This report provides an assessment of the analytical information gathered during the course of the RVAAP Phase 1 Remedial Investigation (RI) and documents that the quality of the data employed for the RI report met the objectives. Evaluation of field and laboratory QC measures will constitute the majority of this assessment, however, references will also be directed toward those QA procedures which establish data credibility. The primary intent of this assessment is to illustrate that data generated for the RVAAP Phase 1 RI can withstand scientific scrutiny, are appropriate for their intended purpose, are technically defensible, and are of known and acceptable sensitivity, precision, and accuracy.

Multiple activities must be performed to achieve the desired data quality in this project. As discussed in the text, decisions were made during the initial scoping of the RI to define the quality and quantity of data required. Data Quality Objectives (DQOs) were established to guide the implementation of the field sampling and laboratory analysis (refer to the RVAAP SAP July 1996). A QA program was established to standardize procedures and to document activities (refer to the RVAAP QAPjP July 1996 and Appendix E of this report). This program provided a means to detect and correct any deficiencies in the process. Upon receipt by the project team, data was subjected to a verification and validation review which identified and qualified problems related to the analysis. These review steps contribute to this final Data Quality Assessment (DQA) which defines that data used in the investigation met the criteria and are employed appropriately.

F.2 QA Program Input

A Facility-Wide Quality Assurance Project Plan (QAPjP) and a Phase 1 RI QAPjP Addendum for High Priority Areas of Concern were developed to guide the investigation. These plans are found in Part II of the Facility-Wide Sampling and Analysis Plan (SAP) (SAIC, April 1996) and the Phase 1 RI SAP Addendum for High Priority Areas of Concern (SAP, July 1996), for the RVAAP, Ravenna, Ohio. The purpose of these documents was to enumerate the quantity and type of samples to be taken to inspect the various AOCs, and to define the quantity and type of QA/QC samples to be used to evaluate the quality of the data obtained.

The QAPjP established requirements for both field and laboratory QC procedures. In general: field QC duplicates and QA split samples were required for each environmental sample matrix collected at each of the AOCs being investigated; volatile organic compounds (VOC) trip blanks were to accompany each cooler containing water samples for VOC determinations; and analytical laboratory QC duplicates, matrix spikes, laboratory control samples, and method blanks were required for every 20 samples or less of each matrix and analyte.

A primary goal of the RVAAP QA program is to ensure that the quality of results for all environmental measurements are appropriate for their intended use. To this end, the QAPjP and standardized field procedures were compiled to guide the investigation. Through the process of readiness review, training, equipment calibration, QC implementation, and detailed documentation, the project has successfully accomplished the goals set for the QA Program. Surveillances were conducted to determine the adequacy of field performance as evaluated against the QA plan and procedures. Appendix E, Project Quality Assurance Summary, presents the actions and methodologies pursued through the QA plan to meet the project goals and the results of those efforts.

F.2.1 Monthly Progress Reports

Monthly Progress Reports (MPRs) were completed by the SAIC Project Manager for each month of the project's duration. The MPRs contained the following information: work completed, problems encountered, corrective actions/solutions, summary of findings and upcoming work. These reports were issued to the USACE Nashville District Project Manager with copies forwarded to the Ohio EPA. Access to these reports can be obtained through the Corp Project Manager.

F.2.1 Daily Quality Control Reports (DQCRs)

The Field Team Leader produced all Daily Quality Control Reports. These include information such as, but not limited to; sub-tier contractors on-site, equipment on-site, work performed summaries, QC activities, Health and Safety activities, problems encountered, and corrective actions. The DQCRs were submitted to the USACE Nashville District Project Manager and may be obtained through his office.

F.2.2 Laboratory "Definitive" Level Data Reporting

The QAPjP for this project identified requirements for laboratory data reporting and identified Southwest Laboratory of Oklahoma as the lab for the project. EPA "definitive" data has been reported including the following basic information:

- a. laboratory case narratives
- b. sample results
- c. laboratory method blank results
- d. laboratory control standard results
- e. laboratory sample matrix spike recoveries
- f. laboratory duplicate results
- g. surrogate recoveries (VOCs, SVOCs, Pesticide/PCBs)
- h. sample extraction dates
- i. sample analysis dates

This information from the laboratory along with field information provides the basis for subsequent data evaluation relative to sensitivity, precision, accuracy, representativeness and completeness. These have been presented in Section F.4.

F.3 Data Validation

The objective when evaluating the quality of the project data is to determine its usability. The evaluation is based on the interpretation of laboratory QC measures, field QC measures, and the project DQOs. This project implemented data validation checklists to facilitate laboratory data validation. These checklists were completed by the project designated validation staff and were reviewed by the project laboratory coordinator.

F.3.1 Field Data Validation

DQCRs were completed by the Field Team Leader. The DQCRs and other field generated documents such as sampling logs, boring logs, daily health and safety summaries, daily safety inspections, equipment calibration and maintenance logs, and sample management logs were peer reviewed on-site. These logs and all associated field information has been delivered to the Nashville Corp project manager and can be obtained through his office.

F.3.2 Laboratory Data Validation

Analytical data generated for this project have been subjected to a process of data verification, validation, and review. The following describes this systematic process and the evaluation activities performed. Several criteria have been established against which the data are compared and from which a judgment is rendered regarding the acceptance and qualification of the data. Because it is beyond the scope of this report to cite those criteria, the reader is directed to the following documents for specific detail:

- SAIC Technical Support Contractor QA Technical Procedure (TP-DM-300-7) Data Verification and Validation;
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-94/013, February 1994;
- USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA-540/R-94/012, February 1994; and
- Phase 1 Remedial Investigation Sampling and Analysis Plan Addendum for High Priority Areas of Concern for the Ravenna Army Ammunition Plant, Ravenna, Ohio, SAIC, July 1996.

Upon receipt of field and analytical data, verification staff performed a systematic examination of the reports, following standardized data package checklists to ensure the content, presentation, and administrative validity of the data. Discrepancies identified during this process were recorded and documented utilizing the checklists. QA program Nonconformance Report (NCR) and Corrective Action systems were implemented as required.

In conjunction with the data verification, and if standardized laboratory electronic data diskettes were available, the diskette deliverables were subjected to comprehensive review utilizing SAIC EDD review software. This software performed both a structural and technical assessment of the laboratory-delivered reports. The structural evaluation ensured that all required data had been reported and that they had been accurately transcribed from raw data. This technical evaluation ensured that all contract-specified requirements had been met.

During the validation phase of the review and evaluation process, data were subjected to a systematic technical review by examining all field and analytical QC results and laboratory documentation, following appropriate functional guidelines for laboratory data validation. These EPA data validation guidelines define the technical review criteria, methods for evaluation of the criteria, and actions to be taken resulting from the review of these criteria. The primary objective of this phase was to assess and summarize the quality and reliability of the data for the intended use and to document factors that may affect the usability of the data. Data verification/validation included but was not necessarily limited to the following parameters:

Inorganic	Organic
Data completeness	Data completeness
Holding times	Holding times
Calibration - Initial - Continuing	Calibration - Initial - Continuing

Inorganic	Organic
Blanks	Blanks
Sample results verification	Surrogate recovery
Matrix spike (MS) recovery	
Field duplicate sample analysis	
Laboratory control sample (LCS) analysis	Internal standards performance
Furnace atomic absorption QC (when implemented)	
Detection limits	Compound quantitation and reported detection limits
Secondary dilutions	Secondary dilutions

As an end result of this phase of the review, the data were qualified based on the technical assessment of the validation criteria. Qualifiers were applied to each field and analytical result to indicate the usability of the data for its intended purpose.

F.3.3 Definition of Data Qualifiers (Flags)

During the data validation process, all laboratory data were assigned appropriate data validation flags and reason codes. Validation flags are defined as follows:

- "U" When the material was analyzed for, but not detected above the level of the associated value.
- "J" When the associated value is an estimated quantity. Indicating there is cause to question accuracy or precision of the reported value.
- 'UJ" When the analyte was analyzed for, but not detected, above the associated value, however, the reported value is an estimate and demonstrates an decreased knowledge of its accuracy or precision.
- "R" When the analyte value reported is unusable. The integrity of the analyte's identification, accuracy, precision, or sensitivity have raised significant question as to the reality of the information presented.

SAIC validation reason codes have been provided as Attachment F-1, while copies of validation checklists and qualified data forms will be documented in the project file.

F.3.4 Data Acceptability

Over 500 environmental soil, sediment, groundwater, and field QC samples were collected with approximately 29,000 discrete analyses (i.e., analytes) being obtained, reviewed, and integrated into the assessment (these totals do not include field measurements and field descriptions). The project produced acceptable results for over 99% of the sample analyses performed and successfully collected 99% of the investigation samples under the direction of the SAP and the USACE, Nashville District. The 1% of data that were rejected are relegated to a few explosive, VOC, and SVOC analytes, primarily associated with one groundwater sample, while a few groundwater samples were unable to be collected due to insufficient water at the locations.

Table 1 presents a summary of the planned and collected investigation samples. It also tallies the successful collection of all targeted field QC and QA split samples. Copies of the project Chain-of-Custody forms are provided in Attachment F-2 of this Appendix. The project properly performs analysis for all analytical requests, with the exception of an inadvertent omission of some metal parameters for water sample LL1MW-067, where the COC was marked for 11 metals instead of the planned 23 metals. Table 2 provides a summary of rejected analyses grouped by media and analyte category.

For RVAAP Phase 1 RI a total of 48 field duplicates were analyzed for soil and sediment, and two for groundwater. Six equipment rinsates were collected and analyzed, while the site potable water source was sampled and analyzed prior to initiating field work. Trip blanks for volatile organic compounds (VOC) determinations were analyzed relative to each shipment of VOC water samples, totaling six analyses for this report.

Rejected soil data comprised reported values for tetryl (29 data points), acetone (15 data points), and pesticide compounds for a single sample (12 data points). Tetryl values were compromised due to poor laboratory control standard performance. Acetone levels were rejected relative to low continuing calibration response factors, while a low pesticide surrogate recovery caused the data for one sample to be suspect. The four rejected acetone values found in sediments were related to the same continuing calibration issues as determined for soils and two tetryl values were rejected due to low LCS recovery. Groundwater data rejections were attributed to the following: 1 cyanide analysis due to missed analytical holding time; 27 pesticide analysis due to poor duplicate relative percent difference; 73 semivolatile organic compound analysis due to low surrogate recovery in two samples; and 27 volatile organic compound (acetone and 2-butanone) analysis due to initial and continuing calibration issues. All rejected results reflected a tendency to exhibit extreme negative bias and were therefore unable to document the potential for contaminant concentrations.

Table F-1. RVAAP Phase 1 RI - QCSR Samples Planned and Samples Collected

	Favir	onmental	OC Du	plicates	QA S	-1:4-	Rinsates	Trip
Location		ed/collected		d/collected				i rīp Blanks
	pramo	eu/conecteu	plante	u/conecteu	pianne	ed/collected		
Load Line 1				······································			- "	
Soil	50	50	4	4	2	2	0	0
Sediment	23	23	1	1	2 2	2	0	0
Groundwater	6	6	1	1	1	1	1	4
Load Line 2								
Soil	48	48	5	5	2	2	0	0
Sediment	11	11	1	1	2	2	0	Ō
Groundwater	2	2	0	0	0	0	4	2
Load Line 3								
Soil	42	42	3	3	2	2	0	0
Sediment	9	9	1	1	0	0	0	Ō
Groundwater	0	0	0	0	0	0	0	Ō
Load Line 4								
Soil	50	50	3	3	1	1	0	0
Sediment	15	15	2	2	2	2	Ö	Ö
Groundwater	3	3	0	0	0	0	1	Ō
Load Line 12								
Soil	33	33	5	5	2	2	0	0
Sediment	19	19	1	1	1	1	Ö	Ō
Groundwater	2	2	0	0	0	0	0	ō
Winklepeck Burning Ground								
Soil	<i>7</i> 9	79	7	7	5	5	0	0
Sediment	13	13	2	2	0	0	Ŏ	ő
Groundwater	0	0	0	0	Ö	Ö	Ö	Ö

Table F-1 (cont.). RVAAP Phase 1 RI - QCSR Samples Planned and Samples Collected

Location		onmental	QC Dug	olicates /collected	QA Sp planne	lits d/collected	Rinsates*	Trip ^b Blanks
								•
Landfill North of Winklepeck Burn		_	•				•	•
Soil	9	9	2	2	1	1	0	0
Sediment Groundwater	7 4	7 2	1	1 0	1 0	1 0	0 0	0 1
Building 1200								
Soil	2	2	1	1	1	1	0	0
Sediment	7	7	1	1	1	1	0	0
Groundwater	0	0	0	0	0	0	0	0
Demolition Area No. 2								
Soil	59	59	6	6	3	3	0	0
Sediment	3	3	1	1	1	1	0	0
Groundwater	0	0	0	0	0	0	0	0
Upper and Lower Cobbs Pond								
Soil	0	0	0	0	0	0	0	0
Sediment	10	10	1	1	1	1	0	0
Groundwater	3	3	1	1	0	0	0	2
TOTALS								
Soil/Sediments	489	489	48	48	30	30	0	0
Groundwater	20	18	2	2	2	2	6	9

Rinsate samples were collected from groundwater sampling equipment only.

Trip blank samples accompanied water VOC samples only and were shipped to both the Southwest Laboratory and the USACE ORD Laboratory.

Table F-2. RVAAP Phase 1 RI - Data Quality Assessment Summary of Rejected Analyses (grouped by media and analyte catagory)

Media	Analyte	Rejected/Total	Percent Rejected
Soil	Metals/Cyanide	0 / 5504	0.0
	Explosives	29 / 4740	0.6
	Pesticides/PCBs	12 / 2212	0.5
	Semivolatile Organics	0 / 4898	0.0
	Volatile Organics	15 / 2880	0.5
	Subtotal	56 / 20,234	0.28
Sediment	Metals/Cyanide	0 / 1671	0.0
	Explosives	2 / 1548	0.1
	Pesticides/PCBs	0 / 558	0.0
	Semivolatile Organics	0 / 1281	0.0
	Volatile Organics	4 / 735	0.5
	Total Organic Carbon	0 / 115	0.0
	Subtotal	6 / 5,929	0.10
Groundwater	Metals/Cyanide	1 / 443	0.2
	Explosives	0 / 228	0.0
	Pesticides/PCBs	27 / 475	5.7
	Semivolatile Organics	73 / 976	7.5
	Volatile Organics	27 / 770	3.5
	Subtotal	128 / 2,892	4.43
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F.4 Data Evaluation

F.4.1 Accuracy

Accuracy provides a gauge or measure of the agreement between an observed result and the true value for an analysis. Analytical accuracy is evaluated by measuring the agreement between an analytical result and its known or true value. This is generally determined through use of Laboratory Control Samples (LCSs), Matrix Spike (MS) analysis, and Performance Evaluation (PE) Samples. Accuracy as measured through the use of LCSs determine the method implementation accuracy independent of sample matrix. They document laboratory analytical process control. Accuracy determined by the MS is a function of both matrix and analytical process. Table F-3 lists the average metal and cyanide LCS recovery values, while Table F-4 presents average VOC, SVOC, Explosive compounds, and Pesticide/PCB compounds LCS recovery values. Average method blank matrix spike recoveries for organic parameters are compiled in Table F-5. Table F-6 consolidates the average sample MS recovery values for metal, cyanide, VOC, SVOC, Explosive and Pesticide/PCB parameters.

Metals

Average LCS percent recovery values for metal analysis of soils ranged from 85.6 for thallium to 95.6 for mercury. Limits for soil LCS recovery are analyte-specific based on the solid reference material employed. All LCS recoveries were within the reference materials assigned variation and within project accuracy goals of 75-125%. None of the soil data required qualification based on the LCS. Average LCS percent recovery values for metal analysis of water were all within 85-110 percent and ranged from 87.1 for potassium to 103.5 for mercury.

Sample MS information for metals produced some estimated values (in particular antimony, arsenic, cadmium, chromium, lead, manganese, selenium and zinc soil values; arsenic chromium, lead, manganese, and selenium sediment values), however, the overall accuracy for these measurements is considered acceptable. Average percent recoveries ranged from 50.9% for antimony to 108.7% for mercury. Results for the water MS data were satisfactory and provide confidence in the accuracy of the measurements. Post-digestion spike analyses and Inductively Coupled Plasma (ICP) Emission Spectroscopy serial dilution analyses provide additional measures of analytical accuracy for metal parameters.

In summary, LCS information demonstrates the analytical laboratory process was in-control and accurate. MS, post-digestion spike analyses, and serial dilutions also provide confidence in the accuracy of elemental metal results.

Volatile Organic Compounds

VOC LCS recovery, method blank surrogate recovery, and MS recovery information provide measures of accuracy. Recoveries determined for the laboratory volatile organic method blank spike analyses (LCS) indicate the analytical process was in control. Summaries in Table F-4 show

		Soil				Water				
	Average	Min.	Max.		Average	Min.	Max.			
Analysis	%Rec	%Rec	%Rec	N	%Rec	%Rec	%Rec	N		
<u>fctals</u>										
LUMINUM	92.5	85	116	60	97.1	92	100	6		
NTIMONY	89.0	81	113	60	96.2	93	98	6		
RSENIC	94.7	83	118	60	100.6	97	104	6		
ARIUM	89.0	82	111	60	92.8	90	95	6		
ERYLLIUM	91.5	84	114	60	99.5	95	103	6		
ADMIUM	86.9	80	110	60	93.9	91	97	6		
ALCIUM	91.2	82	115	60	94.7	92	98	6		
HROMIUM	89.8	83	113	60	93.7	89	97	6		
OBALT	88.2	82	111	60	93.7	90	95	6		
COPPER	91.1	83	113	60	94.7	90	98	6		
RON	93.9	88	118	60	94.7	91	98	6		
.EAD	93.5	84	118	60	93.8	92	95	6		
IAGNESIUM	90.0	80	114	60	97.9	94	101	6		
MANGANESE	89.2	80	113	60	94.7	91	97	6		
MERCURY	95.6	81	109	58	103.5	101	110	6		
IICKEL	88.5	81	111	60	93.5	91	95	6		
OTASSIUM	88.9	83	110	60	87.1	85	90	6		
ELENIUM	87.7	80	110	60	100.4	97	101	6		
ILVER	89.2	80	112	60	96.0	91	101	6		
ODIUM	91.6	83	111	60	91.7	90	94	6		
HALLIUM	85.6	80	110	57	97.8	88	105	6		
'ANADIUM	87.7	83	112	60	93.3	90	95	6		
ZINC	89.9	81	113	60	95.1	94	97	6		
<u>Cyanide</u>	90.2	80	108	44	97.1	84	105	6		

Table F-4. RVAAP Phase 1 RI - Data Quality Assessment
Laboratory Control Sample (LCS) Evaluation - Average Percent Recovery (%Rec)

	•	Soil				Water		
	Average Min. Max.				Average		Max.	
Analysis	%Rec	%Rec	%Rec	N	%Rec	%Rec	%Rec	N
Volatile Organic Compounds					 			
CHLOROMETHANE	96.5	78	109	28	94.3	71	122	12
VINYL CHLORIDE	94.9	80	107	28	96.1	75	120	12
BROMOMETHANE	108.4	89	128	28	101.8	76	120	12
CHLOROETHANE	101.8	83	137	28	96.8	<i>7</i> 3	122	12
1,1-DICHLOROETHENE	99.0	87	115	28	93.0	75	105	12
ACETONE	115.0	52	204	28	94.3	60	110	12
CARBON DISULFIDE	97.1	84	106	28	93.5	82	101	12
METHYLENE CHLORIDE	96.0	66	125	28	90.9	75	100	12
trans-1,2-DICHLOROETHENE	98.4	88	109	28	93.3	74	106	12
1,1-DICHLOROETHANE	99.6	83	109	28	95.3	83	108	12
cis-1,2-DICHLOROEETHENE	98.7	83	110	28	94.3	76	105	12
2-BUTANONE	112.0	50	187	28	101.7	96	120	12
CHLOROFORM	100.7	86	111	28	95.7	80	106	12
1.1.1-TRICHLOROETHANE	101.3	92	111	28	96.4	83	108	12
CARBON TETRACHLORIDE	102.6	96	114	28	98.1	85	110	12
BENZENE	99.8	88	111	28	96.8	86	105	12
1,2-DICHLOROETHANE	103.9	87	118	28	98.0	85	111	12
TRICHLOROETHENE	101.7	93	115	28	95.6	<i>77</i>	106	12
1,2-DICHLOROPROPANE	100.6	83	110	28	98.3	91	106	12
BROMODICHLOROMETHANE	101.9	90	113	28	98.3	87	106	12
cis-1,3-DICHLOROPROPENE	100.1	86	106	28	98.1	91	107	12
4-METHYL-2-PENTANONE	118.3	54	179	28	109.9	94	126	12
TOLUENE	99.5	90	107	28	96.7	85	103	12
trans-1,3-DICHLOROPROPENE	102.5	83	117	28	100.1	91	113	12
1,1,2-TRICHLOROETHANE	104.9	76	126	28	101.6	91	109	12
TETRACHLOROETHENE	98.1	57	105	28	94.0	81	104	12
2-HEXANONE	120.6	53	191	28	111.4	91	140	12
DIBROMOCHLOROMETHANE	101.8	85	118	28	98.8	89	108	12
CHLOROBENZENE	97.8	90	103	28	95.2	85	104	12
ETHYL BENZENE	99.5	93	106	28	96.3	86	105	12
m,p-XYLENES	98.7	90	105	28	94.8	85	102	12
o-XYLENE	98.6	89	104	28	95.4	84	103	12
STYRENE	99.0	89	105	28	96.1	86	104	12
BROMOFORM	105.6	78	132	28	100.3	91	113	12
1,1,2,2-TETRACHLOROETHANE	103.5	43	140	28	105,5	98	122	12

		Soil				Water		
	Average	Min.	Max.		Average	Min.	Max.	
Analysis	%Rec	%Rec	%R∞	N	%Rec	%Rec	%Rec	N
Explosive Organic Compounds								
HMX	83.3	56	107	65	67.3	38	97	9
RDX	98.2	70	112	65	60.4	35	90	9
TRINITROBENZENE	83.2	57	109	65	73.4	41	100	9
TETRYL	54.2	8	95	65	100.8	52	148	9
DINITROBENZENE	91.9	68	107	65	69.2	38	97	9
TRINITROTOLUENE	108.0	<i>7</i> 2	128	65	68.3	38	98	9
NITROBENZENE	105.2	76	121	65	64.9	37	95	9
2,6-DNT	95.2	68	114	65	66.9	36	94	9
2,4-DNT	102.8	75	117	65	68.2	36	92	9
2-NIROBENZENE	92.6	67	103	65	67.9	37	95	9
4-NIROBENZENE	95.1	67	106	65	65.6	35	92	9
3-NIROBENZENE	95.1	72	110	65	66.1	35	92	9
Semivolatile Organic Compounds								
PHENOL	60.6	33	78	44	59.6	38	75	18
2-CHLOROPHENOL	62.2	36	80	44	60.8	29	80	18
1,4-DICHLOROBENZENE	64.3	39	<i>7</i> 9	44	51.7	31	71	18
N-NITROSO-di-N-PROP.(1)	66.1	40	85	44	51.3	34	64	18
1,2,4-TRICHLOROBENZENE	63.2	35	79	44	50.7	34	64	18
4-CHLORO-3-METHYLPHENOL	64.4	36	78	44	61.1	49	75	18
ACENAPHTHENE	64.1	38	82	44	62.8	54	73	18
4-NITROPHENOL	64.0	34	94	44	71.6	13	115	18
PENTACHLOROPHENOL	65.2	30	98	44	66.9	10	90	18
PYRENE	64.4	36	82	44	64.9	54	76	18

		Soil				Water		
Analysis	Average %Rec	Min. %Rec	Max. %Rec	N	_	Min. %Rec	Max. %Rec	N
	,,,,,	,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	707100		
Pesticides/PCBs								
ALPHA-BHC	66.2	43	102	30	76.7	43	102	20
BETA-BHC	68.5	48	100	30	75.0	0	122	20
GAMMA-BHC(LINDANE)	65.5	43	100	30	71.6	36	117	20
DELTA-BHC	70.8	49	102	30 ·	82.9	41	168	20
HEPTACHLOR	65.8	44	95	30	<i>7</i> 7.4	41	107	20
ALDRIN	67.9	46	100	30	74.6	44	107	20
HEPTACHLOR EPOXIDE	69.6	49	99	30	77.3	47	110	20
ENDOSULFAN I	66.6	43	114	30	7 8.7	42	120	20
4,4'-DDE	70.4	47	95	30	82.1	43	118	20
DIELDRIN	66.5	47	91	30	80.3	49	110	20
ENDRIN	79.3	56	109	30	89.4	57	131	20
ENDOSULFAN II	75.3	52	106	30	99.2	55	233	20
4,4'-DDD	69 .1	46	89	30	86.6	46	121	20
ENDOSULFAN SULFATE	72.6	52	100	30	89.0	54	120	20
4,4'-DDT	75.7	50	110	30	90.4	52	134	20
ENDRIN ALDEHYDE	68.0	52	94	30	91.9	59	140	20
METHOXYCHLOR	79.7	50	134	30	99.5	55	134	20
ALPHA-CHLORDANE	73.2	46	190	30	74.3	43	101	20
GAMMA-CHLORDANE	70.5	49	96	30	70.6	42	96	20
ENDRIN KETONE	76.1	53	114	30	95.5	58	130	20

	Average	Soil Min.	Max.		Average	Water Min.	Max.	
Analysis	%Rec	%Rec	%Rec	N	%Rec	%Rec	%Rec	N
Volatile Organic Compounds								
TOLUENE-d8	100.0	97	104	41	98.0	93	101	6
4-BROMOFLUOROBENZENE	99.9	93	111	41	98.5	92	103	6
DIBROMOFLUOROMETHANE	100.2	96	106	41	100.0	94	112	6
Semivolatile Organic Compounds 2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL NITROBENZENE-d5 PHENOL-d5 TERPHENYL-d14	61.6 77.0 83.0 74.6 77.5 86.2	28 45 48 46 45 46	87 104 121 107 91 130	22 22 22 22 22 22 22	72.7 63.9 69.3 68.7 72.1 90.3	15 55 26 55 48 76	95 76 86 89 86 119	9 9 9 9 9
Pesticides/PCBs DECACHLOROBIPHENYL(1) DECACHLOROBIPHENYL(2) TETRACHLORO-m-XYLENE(1)	65.1 68.3 58.7	40 41 40	84 90 73	18 18 18	84.1 88.3 68.5	60 71 51	107 103 100	11 11 11
TETRACHLORO-m-XYLENE(2)	57.1	38	77	18	73.7	53	110	11

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Table F-6. RVAAP Phase 1 RI - Data Quality Assessment Sample Matrix Spike Evaluation - Average Percent Řecovery (%Rec)

		Soil Min.	Max.		Average	Water Min.	Max.	
Analysis	%Rec	%Rec	%Rec	N	%Rec	%Rec	%Rec	N
<u>Metals</u>								
ALUMINUM					104.3			1
ANTIMONY	50.9	23	75	8	97.6			1
ARSENIC	107.8	38	255	29	102.2			1
BARIUM	86.7	40	161	31	92.8			1
BERYLLIUM	93.0	74	120	8	99.8			1
CADMIUM	83.2	31	113	30	91.2			1
CALCIUM	97.3	67	210	6	94.5			1
CHROMIUM	90.9	33	188	31	94.4			1
COBALT	89.8	79	115	8	96.8			1
COPPER	89.1	27	130	8	94.6			1
IRON					94.6			1
LEAD	96.4	33	193	18	96 .5			1
MAGNESIUM	91.7	41	161	13	98.3			1
MANGANESE	99.7	37	139	4	28.8			1
MERCURY	108.7	52	134	27	78.2			1
NICKEL	88.0	65	115	8	89.5			1
POTASSIUM	101.6	67	95	7	83.6			1
SELENIUM	89.0	51	107	25	95.4			1
SILVER	90.7	78	122	31	96.5			1
SODIUM	87.0	82	93	7	86.6			1
THALLIUM	77.3	64	94	8	104.4			1
VANADIUM	92.0	76	118	8	93.5			1
ZINC	92.5	58	130	24	88.3			1
								
<u>Cyanide</u>	82.7	64	94	8	87.2			1

Table F-6 (cont.). RVAAP Phase 1 RI - Data Quality Assessment
Sample Matrix Spike (MS) Evaluation - Average Percent Recovery (%Rec)

	Sample r		pike (MIS)	Evaluation - A	verage Percent Reco	• •	(ec)	
	A	Soil	16		A	Water		
A	Average %Rec	%Rec	Max. %Rec	N	Average		Max.	N
Analysis	76 KGC	70 KCC	76 K CC	N	%Rec	%Rec	%R∞	N
Volatile Organic Compounds	07.5	00	111	00	00.4		100	40
CHLOROMETHANE	97.5	82	111	22	92.1	72	120	10
VINYL CHLORIDE	95.1	88	102	22	95.2	80	116	10
BROMOMETHANE	107.1	62	142	22	101.0	78	117	10
CHLOROETHANE	104.9	72	152	22	98.1	77	120	10
1,1-DICHLOROETHENE	100.1	88	111	22	92.9	76	103	10
ACETONE	212.0	57	484	22	82.7	40	108	10
CARBON DISULFIDE	88.5	74	97	22	92.3	83	97	10
METHYLENE CHLORIDE	85.5	58	113	22	80.5	76	85	10
trans-1,2-DICHLOROETHENE	97.4	86	106	22	93.4	76	102	10
1,1-DICHLOROETHANE	102.6	89	113	22	97.0	85	106	10
cis-1,2-DICHLOROEETHENE	98.8	92	112	22	94.0	<i>7</i> 7	102	10
2-BUTANONE	190.1	66	402	22	95.3	73	108	10
CHLOROFORM	102.4	91	115	22	95.7	83	107	10
1,1,1-TRICHLOROETHANE	100.5	90	110	22	97.8	88	107	10
CARBON TETRACHLORIDE	94.7	52	110	22	98.5	89	109	10
BENZENE	99.0	91	112	22	9 7.0	89	104	10
1,2-DICHLOROETHANE	112.8	96	126	22	99.5	90	114	10
TRICHLOROETHENE	103.7	88	188	22	95.3	78	104	10
1,2-DICHLOROPROPANE	101.8	94	116	22	99.9	93	107	10
BROMODICHLOROMETHANE	99.8	68	114	22	97.8	88	108	10
cis-1,3-DICHLOROPROPENE	89.3	48	110	22	97.2	94	101	10
4-METHYL-2-PENTANONE	163.5	72	245	22	105.3	81	118	10
TOLUENE	106.0	89	215	22	97.7	89	105	10
trans-1,3-DICHLOROPROPENE	91.5	52	119	22	93.9	69	104	10
1,1,2-TRICHLOROETHANE	112.0	91	142	22	102.2	91	111	10
TETRACHLOROETHENE	93.5	79	102	22	94.2	79	103	10
2-HEXANONE	179.2	71	332	22	104.9	76	122	10
DIBROMOCHLOROMETHANE	106.8	76	122	22	96.2	89	108	10
CHLOROBENZENE	95.3	83	105	22	95.5	88	102	10
ETHYL BENZENE	96.4	84	106	22	96.2	87	102	10
m,p-XYLENES	93.3	80	103	22	95.0	87	102	10
o-XYLENE	93.5	82	105	22	95.6	86	103	10
STYRENE	91.0	72	98	22	96.2	91	101	10
BROMOFORM	117.0	79	148	22	96.2	85	112	10
1,1,2,2-TETRACHLOROETHANE	130.9	0	194	22	103.5	92	112	10
1,1,2,2-1EIKAUNLUKUEINANE	130.9	v	174	22	103.3	92	110	10

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Table F-6 (cont.). RVAAP Phase 1 RI - Data Quality Assessment Sample Matrix Spike (MS) Evaluation - Average Percent Recovery (%Rec)

Analysis	Average %Rec	Soil Min. %Rec	Max. %Rec	N	Average %Rec	Water Min. %Rec	Max. %Rec	N
Explosive Organic Compounds								
HMX	79.6	35	103	62	55.0	25	85	2
RDX ·	89.1	50	102	62	51.0	22	80	2
TRINITROBENZENE	89.0	46	111	62	61.5	28	95	2
TETRYL	66.5	13	109	62	82.0	45	119	2
DINITROBENZENE	88.6	45	105	62	54.0	23	85	2
TRINITROTOLUENE	103.0	58	210	61	79.5	42	117	2
NITROBENZENE	100.3	44	116	62	50.0	21	79	2
2.6-DNT	92.7	51	111	62	57.5	30	85	2
2,4-DNT	100.8	57	115	62	63.0	32	94	2
2-NIROBENZENE	91.5	49	105	62	57.5	28	87	2
4-NIROBENZENE	91.8	54	104	62	55.0	27	83	2
3-NIROBENZENE	93.3	50	111	62	55.5	28	83	2
Semivolatile Organic Compounds					···· ·			
PHENOL	63.3	41	70	16	65.0	65	65	2
2-CHLOROPHENOL	64.7	43	74	16	62.5	60	65	2
1,4-DICHLOROBENZENE	61.9	43	70	16	62.0	6 1	63	2
N-NITROSO-di-N-PROP.(1)	70.1	52	78	16	46.5	38	55	2
1,2,4-TRICHLOROBENZENE	63.3	42	74	16	62.0	62	62	2
4-CHLORO-3-METHYLPHENOL	72.1	43	88	16	62.5	60	65	2
ACENAPHTHENE	66.5	10	129	16	65.5	65	66	2
4-NITROPHENOL	79.3	41	101	16	132.5	130	135	2
	70.7	35	93	16	57.5	55	60	2
PENTACHLOROPHENOL	/U. /							

	Average	Soil Min.	Max.		Average	Water Min.	Max.	
alysis	%Rec	%Rec	%Rec	N	%Rec	%Rec	%R∞	N
icides/PCBs				···			·	
PHA-BHC	64.5	39	112	16	69.0	66	72	2
A-BHC	57.1	0	99	16	74.5	72	77	2
MMA-BHC(LINDANE)	63.3	44	95	16	67.5	65	70	2
LTA-BHC	55.8	15	101	16	82.0	79	85	2
TACHLOR	62.8	45	99	16	58.5	58	59	2
DRIN	63.4	36	122	16	68.5	66	71	2
TACHLOR EPOXIDE	52.7	0	75	16	66.5	60	<i>7</i> 3	2
OSULFAN I	58.5	23	83	16	74.0	69	7 6	2
DDE	65.3	36	114	16	66.0	61	71	2
DRIN	62.7	42	94	16	73.5	70	<i>7</i> 7	2
RIN	58.9	0	112	16	121.5	116	127	2
OSULFAN II	64.5	32	92	14	80.0	78	82	2
DDD	70.4	41	104	14	99.5	93	106	2
OSULFAN SULFATE	67.8	31	87	16	80.0	77	83	2
DDT	59.2	0	105	13	85.0	82	88	2
RIN ALDEHYDE	58.8	39	94	14	82.0	79	85	2
HOXYCHLOR	76.3	58	116	16	98.0	94	102	2
IA-CHLORDANE	53.9	0	80	16	71.5	69	74	2
MA-CHLORDANE	75.9	52	158	16	72.0	70	74	2
RIN KETONE	72.0	47	204	16	86.5	84	89	2

average soil LCS values range from 94.9% for vinyl chloride to 120.6% for 2-hexanone, while water LCS values range from 93.0% for 1,1-dichloroethene to 111.4% for 2-hexanone. Method blank surrogate recoveries (Table F-5) were all within 90-110% for volatile compounds. These values establish that the analytical process was in-control.

VOC MS recoveries (Table F-6) indicate analytical accuracy for these compounds was in control and the data is usable. Average soil MS recoveries ranged from 85.5% for methylene chloride to 212.0% for acetone, while water MS recoveries ranged from 92.1% for chloromethane to 105.3% for 4-methyl-2-pentanone. Individual sample surrogate recoveries and MS recoveries indicate analytical accuracy for the majority of compounds. However, volatile compound MS recoveries did cause several soil analysis to be qualified "J" or "UJ" during validation. In particular, data for acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone should be interpreted with caution relative to these recoveries.

Explosive Compounds

Nitroaromatic compound measures of accuracy are derived from LCS and MS recovery information. The laboratory overall explosives analytical process was demonstrated to be under control by maintaining a general 50-150 LCS percent recovery for both water and soil matrices. Average soil LCS recoveries ranged from 54.2% for tetryl to 108.0% for trinitrotoluene, with average water LCS recoveries ranging form 60.4 for RDX to 100.8% for trinitrobenzene. Low LCS values for tetryl did cause some data to be rejected and estimated. During data use and interpretation tetryl values present the possibility of providing false negative results and must be interpreted relative to this condition.

Matrix spike information also demonstrates acceptable accuracy control for both soils and waters, with the same caveat attached to tetryl values.

Semivolatile Organic and Pesticide/PCB Compounds

Average LCS percent recovery values for semivolatile analysis of soils are approximately 64%, while water values range from 50-70%. Pesticide/PCB LCS recoveries for soils are in the general range of 65-75%, with water values in the general range of 70-90%. These values are well within the normally accepted advisory limits tabulated in Table F-7. They are also within project accuracy goals of 30-140% for semivolatile compounds and 35-135% for pesticide/PCB compounds. None of the soil data required qualification based on the LCS.

Method blank surrogate recoveries (Table F-5) were all within acceptable ranges for semivolatile compounds. Re-enforcing the analytical process was in-control.

Sample MS information for SVOCs and pesticide/PCBs paralleled LCS data (Table F-6), with the overall accuracy for these measurements being considered acceptable. Average soil percent recoveries ranged from 58.3% for pyrene to 79.3% for 4-nitrophenol in the semivolatile fraction and from 52.7% for heptachlor epoxide to 76.3% for methoxyclor in the pesticide fraction.

	Sc	oil .	Wa	ter	
Analysis	Min. %Rec	Max. %Rec	Min. %Rec	Max. %Rec	
Volatile Organic Compounds		*			
1,2-DICHLOROETHANE-d4	70	121	76	114	
BROMOFLUOROBENZENE	59	113	86	115	
TOLUENE-d8	84	138	88	110	
Semivolatile Organic Compounds					
1,2-DICHLOROBENZENE-d4	20	130	16	110	
2,4,6-TRIBROMOPHENOL	19	122	10	123	
2-CHLOROPHENOL-d4	20	130	33	110	
2-FLUOROBIPHENYL	30	115	43	116	
2-FLUOROPHENOL	25	121	21	110	
NITROBENZENE-d5	23	120	35	114	
PHENOL-d5	24	113	10	110	
TERPHENYL-d14	18	137	33	141	
Pesticides/PCBs					
DECACHLOROBIPHENYL(1)	60	150	60	150	
DECACHLOROBIPHENYL(2)	60	150	60	150	
TETRACHLORO-m-XYLENE(1)	60	150	60	150	
TETRACHLORO-m-XYLENE(2)	60	150	60	150	

Results for the water MS data were also satisfactory and provide confidence in the accuracy of the measurements.

F.4.2 Precision

Laboratory Precision

As a measure of analytical precision, Table F-8 contains the average relative percent difference (RPD) for laboratory duplicate pairs for metal, cyanide, VOC, SVOC, explosive, and pesticide/PCB parameters where both values meet or exceed five times the practical quantitation limits (PQL) for that analyte. Metal, cyanide, and explosive duplicate pairs evaluate actual sample concentrations while VOC, SVOC, and pesticide/PCB duplicate pairs compare MS and matrix spike duplicate (MSD) values. As the RPD approaches zero, complete agreement is achieved between the duplicate sample pairs. Sample homogeneity, analytical method performance, and the quantity of analyte being measured all contribute to this measure of sample analytical precision.

The goal for laboratory soil precision was set as acceptable when the RPD does not exceed 35. This goal was not exceeded for most metal analyte average RPDs, however, some individual RPDs and average RPDs for antimony and mercury did exceed this goal. Analyses were qualified as estimated "J" through the validation process to indicate data impact. In general, the RPD values are considered good for this medium and reflect great effort on the part of the field and laboratory teams to homogenize the samples prior to aliquotting for analysis. VOC, SVOC, explosive, and pesticide/PCB average RPDs were within this acceptance range for soil duplicate comparisons.

Due to the low number of water samples analyzed during this investigation few duplicate comparisons are available. Of those available, duplicate comparisons proved satisfactory for metals, cyanide, VOC, SVOC, and pesticide/PCB analysis. The single comparison available for explosive analysis is attributed to incorrect spiking in the laboratory, and is not considered indicative of the analytical precision. Therefore, water analytical precision is considered acceptable.

Duplicate comparison for those data within five times the PQL have also been reviewed and evaluated. Acceptance limits for these data were set at \pm three times the PQL. In all cases, laboratory duplicate comparison at these low levels were in agreement.

Individual data points affected by poor precision measures appear in the data set qualified as estimated, when necessary. The precision for those data is considered acceptable and has been determined to be useable for project objectives.

Table F-8. RVAAP Phase 1 RI - Data Quality Assessment Laboratory Duplicate Evaluation - Relative Percent Difference (RPD)

Analysis	Average RPD	Soil Min. RPD	Max. RPD	N	Average RPD	Water Min. RPD	Max. RPD	N
Allerysis	- AGD	14.5				IG D	IG D	
<u>Metals</u>								
ALUMINUM	14.7	1	46	30	24.5			1
ANTIMONY	81.5	33	130	2				
ARSENIC	16.6	1	72	30				
BARIUM	20.1	0	76	30	14.2			1
BERYLLIUM	19.4	2	40	8	12.3			1
CADMIUM	24.9	0	45	7				
CALCIUM	32.0	2	85	8	2.6			1
CHROMIUM	17.8	3	45	30				
COBALT	24.1	3	54	8	15.9			1
COPPER	26.3	1	61	8				
IRON	22.8	1	57	8	9.3			1
LEAD	23.5	Ō	66	30				-
MAGNESIUM	17.2	1	50	8	10.6			1
MANGANESE	25.9	1	98	30	15.8			1
MERCURY	44.5	7	166	7	2010			-
NICKEL	22.6	Ó	52	8	13.6			1
POTASSIUM	24.0	4	46	8	5.7			1
SELENIUM	22.1	Ö	63	26	3.,			•
SILVER	8.4	1	16	2				
SODIUM	11.5	2	39	8	2.0			1
THALLIUM	30.7	7	60	8	4.0			•
VANADIUM	22.3	6	52	8				
ZINC	20.6	1	61	30	21.4			1
ZINC	20.0		O1	J U	21.7			1
Cyanide	22.4	14	29	5	7.3			1

Table F-8 (cont.). RVAAP Phase 1 RI - Data Quality Assessment Sample Matrix Spike Duplicate (MSD) Evaluation - Average Percent Recovery (%Rec)

Sample W	Soil	-	(WED) EVAIL	ation - Average Percen	Water	(NACC)		
Ass	Son crage Min			Average		Max.		
Analysis RP			N	RPD	RPD	RPD	N	
Volatile Organic Compounds	741							
CHLOROMETHANE 5.	2 0	15	11	8.0	1	19	5	
VINYL CHLORIDE 3.		13	11	7.6	1	19	5	
BROMOMETHANE 13		30	11	6.8	ō	15	5	
CHLOROETHANE 11		30	11	8.6	2	20	5	
1.1-DICHLOROETHENE 6	-	17	11	3.6	Ō	7	5	
ACETONE 36		110	11	4.8	2	7	5	
CARBON DISULFIDE 6		19	11	2.4	õ	5	5	
METHYLENE CHLORIDE 9		52	11	2.4	Ö	5	5	
trans-1,2-DICHLOROETHENE 5		17	11	2.2	Õ	4	5	
1,1-DICHLOROETHANE 6		15	11	3.4	1	5	5	
cis-1,2-DICHLOROETHANE 5.	-	14	11	3.6	ō	6	5	
2-BUTANONE 30		101	11	5.4	1	ğ	5	
CHLOROFORM 5.		13	11	4.2	ī	10	5	
1,1,1-TRICHLOROETHANE 3		13	11	2.4	î	4	5	
CARBON TETRACHLORIDE 6		13	11	1.8	Ô	6	5	
BENZENE 3	_	12	11	2.8	1	6	5	
1,2-DICHLOROETHANE 3		12	11	2.8	ō	8	5	
TRICHLOROETHENE 10		47	11	3.0	1	6	5	
11001120110211121	.4 1	12	11	3.0	ī	7	5	
-,	.5 1	12	11	2.8	1	5	5	
cis-1,3-DICHLOROPROPENE 6		16	11	1.6	ō	6	5	
4-METHYL-2-PENTANONE 24		87	11	2.2	Ŏ	6	5	
, 	.2 1	34	11	2.6	Ō	6	5	
	7 2	28	11	7.0	0	24	5	
	.5 0	24	11	3.0	1	8	5	
-,-,	.8 0	15	11	2.2	0	6	5	
2-HEXANONE 27		99	11	4.2	2	8	5	
5 1	.3 0	13	11	4.4	1	9	5	
	.2 0	13	11	3.4	1	7	5	
CIIBORODZI	.5 0	16	11	2.6	1	5	5	
	.6 0	15	11	2.2	0	6	5	
111,P 11 1 2 21 1 22 1	.0 0	14	11	2.2	1	5	5	
	.4 0	15	11	2.0	0	6	5	
D. 1101	.2 0	39	11	4.2	1	9	5	
1,1,2,2-TETRACHLOROETHANE 31		200	11	2.6	1	5	5	

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	Average	Soil Min.	Max.		Average	Water Min.	Мах.	
Analysis	RPD	RPD	RPD	N		RPD	RPD	N
Explosive Organic Compounds								
HMX	10.2	0	71	31	109	-	-	1
RDX	11.1	0	63	31	115	-	-	1
TRINITROBENZENE	8.5	0	54	31	109	-	•	1
TETRYL	18.8	0	90	31	90	-	-	1
DINITROBENZENE	9.4	0	62	31	114	-	•	1
TRINITROTOLUENE	8.8	0	51	30	94	-	-	1
NITROBENZENE	10.1	0	83	31	115	-	-	1
2,6-DNT	9.3	0	62	31	95	-	-	1
2,4-DNT	9.0	0	52	31	98	-		1
2-NIROBENZENE	9.5	0	66	31	102	-	_	1
4-NIROBENZENE	9.4	0	56	31	102	_	-	1
3-NIROBENZENE	9.7	0	63	31	100	-	_	1
							<u>. </u>	
Semivolatile Organic Compounds								
PHENOL	6.5	0	17	8	0	•	-	1
2-CHLOROPHENOL	4.8	0	22	8	8	-	•	1
1,4-DICHLOROBENZENE	6.4	0	23	8	3	-	-	1
N-NITROSO-di-N-PROP.(1)	5.4	0	30	8	36	-	-	1
1,2,4-TRICHLOROBENZENE	5.3	0	20	8	0	-	-	1
4-CHLORO-3-METHYLPHENOL	6.0	2	16	8	8	-	-	1
ACENAPHTHENE	5.0	2	17	8	2	-	•	1
4-NITROPHENOL	5.9	3	12	8	4	-	•	1
PENTACHLOROPHENOL	6.8	0	16	8	9	-	-	1
PYRENE	5.3	0	20	7	3	_	_	1

Table F-8 (cont.). RVAAP Phase 1 RI - Data Quality Assessment Sample Matrix Spike Duplicate (MSD) Evaluation - Relative Percent Difference (RPD)

Analysis	Average RPD	Soil Min. RPD	Max. RPD	N	Average RPD	Water Min. RPD	Max. RPD	N
Pesticides/PCBs								
ALPHA-BHC	9.9	2	18	8	9	-	•	1
ВЕТА-ВНС	12.9	0	29	8	7	-	-	1
GAMMA-BHC(LINDANE)	8.8	0	16	8 .	7	-	-	1
DELTA-BHC	19.1	0	56	8	7	-	-	1
HEPTACHLOR	12.1	2	26	8	2	-	•	1
ALDRIN	13.5	1	36	8	7	-	-	1
HEPTACHLOR EPOXIDE	8.8	0	21	8	20	-	-	1
ENDOSULFAN I	16.5	2	65	8	10	-	•	1
4,4'-DDE	22.1	0	85	8	15	-	-	1
DIELDRIN	13.6	4	36	8	10	-	-	1
ENDRIN	21.6	0	90	8	9	-	-	1
ENDOSULFAN II	14.6	3	40	7	5	•	-	1
4,4'-DDD	13.9	3	28	7	13	-	-	1
ENDOSULFAN SULFATE	13.0	2	22	8	8	•	-	1
4,4'-DDT	9.0	0	25	6	7	•	-	1
ENDRIN ALDEHYDE	27.1	6	65	7	7	-	-	1
METHOXYCHLOR	12.3	1	24	8	8	•	-	1
ALPHA-CHLORDANE	13.5	0	46	8	7	-	-	1
GAMMA-CHLORDANE	15.5	0	85	8	6	-	-	1
ENDRIN KETONE	25.0	4	76	8	6	-	-	1

Field Precision

Field duplicate samples were collected to ascertain the contribution to variability (i.e., precision) due to the combination of environmental media, sampling consistency, and analytical precision. Field duplicate samples were collected from the same spatial and temporal conditions as the primary environmental sample. Soil samples were collected from the same sampling device, after homogenization for all analytes except VOCs.

Table F-9 provides a summary of soil field duplicate comparison by analyte by presenting the absolute difference and RPD for field duplicate measurements. RPD was calculated only when both samples were >5 times the PQL. When one or both sample values were between the quantitation level and 5 times the PQL the absolute difference was evaluated. If both samples were not detected for a given analyte, precision was considered acceptable. In order to review this information, this data quality assessment has implemented general criteria for comparison of absolute difference measurements and RPDs. RPD criteria are identified below. Absolute difference criteria were set at three times the PQL.

RPD Evaluation Categories

Matrix	Good	Fair	Poor	Unacceptable	
Water	<30%	<60%	<100%	>100%	
Soil	< 50%	<90%	<150%	>150%	

Soil/sediment field duplicate metal RPDs are considered Good, with all comparisons except one being <50% different and absolute differences being predominantly within three times the PQL criteria. Organic analyte field duplicate values did not compare as well, partly due to concentrations not being high enough to provide RPD evaluation. The few values which are available show significant disparity, generally above 100% difference but below 150%. This "Poor" comparison may be attributed to a heterogenic dispersal of the compounds in the soil. This is particularly plausible in the case of nitroaromatic explosive compounds and their propensity to re-crystallize in small deposits.

Groundwater field duplicate sample comparisons are limited to a few metal sample analysis. Within this context the comparison is considered "Good".

Table F-9. Ravenna Army Annunition Plant Phase 1 RI Summary of Field Duplicate Precision

Parameter	Method of Calculation*	Average Difference	Limit	s Units	Number Pairs Within Limits	Percent Within Limits
Inorganic		Matrix: S	oil			
Antimony	Abs. Difference	0.01	0.60	MG/KG	1/ 1	100.0
Cadmium	Abs. Difference	0.04	0.10	MG/KG	8/ 10	80.0
Cyanide	Abs. Difference	0.16	0.20	MG/KG	1/ 2	50.0
Mercury	Abs. Difference	0.02	0.08	MG/KG	8/ 9	88.8
Potassium	Abs. Difference	16.00	414.00	MG/KG	1/ I	100.0
Selenium	Abs. Difference	0.37	0.70	MG/KG	21/ 23	91.3
Silver	Abs. Difference	0.07	0.44	MG/KG	2/ 2	100.0
Sodium	Abs. Difference	7.00	93.00	MG/KG	1/ I	100.0
Thallium	Abs. Difference	0.43	0.70	MG/KG	5/ 6	83.3
Organic		Matrix:S	ali			
1,3,5-Trinitrobenzene	Abs. Difference	5784.33	500.00	UG/KG	3/ 3	100.0
1,4-Dichlorobenzene	Abs. Difference	140.00	680.00	UG/KG	1/ 1	100.0
2,4,6-Trinitrotoluene	Abs. Difference	1450.00	500.00	UG/KG	6/ 9	66.6
4,4'-DDD	Abs. Difference	80.20	5.60	UG/KG	0/ 1	0.0
4,4'-DDE	Abs. Difference	3.10	5.20	UG/KG	1/ 1	100.0
Acenaphthene	Abs. Difference	2300.00	740.00	UG/KG	0/ 1	0.0
Acetone	Abs. Difference	65.00	10.00	UG/KG	0/ I	0.0
Alpha Chlordane	Abs. Difference	13.40	2.80	UG/KG	0/ 1	0.0
Anthracene	Abs. Difference	6420.00	740.00	UG/KG	0/ 1	0.0
Aroclor-1254	Abs. Difference	146.50	136.00	UG/KG	1/ 2	50.0
Benzo(a)anthracene	Abs. Difference	60.00	2600.00	UG/KG	1/ 1	100.0
Benzo(a)pyrene	Abs. Difference	40.00	2600.00	UG/KG	1/ 1	100.0
Benzo(b)fluoranthene	Abs. Difference	7500.00	740.00	UG/KG	0/ I	0.0
Benzo(g,h,i)perylene	Abs. Difference	2300.00	2600.00	UG/KG	1/ 2	50.0
Benzo(k)fluoranthene	Abs. Difference	240.00	2600.00	UG/KG	1/ 1	100.0
Bis(2-ethylhexyl)phthalate	Abs. Difference	213.66	680.00	UG/KG	3/ 3	100.0
Carbazole	Abs. Difference	2800.00	740.00	UG/KG	0/ 1	0.0
Chloroform	Abs. Difference	0.00	10.00	UG/KG	1/ 1	100.0
Chrysene	Abs. Difference	120.00	2600.00	UG/KG	1/ 1	100.0
Di-n-butyl Phthalate	Abs. Difference	140.00	2600.00	UG/KG	1/ 1	100.0
Dibenzo(a,h)anthracene	Abs. Difference	2910.00	740.00	UG/KG	0/ 1	0.0
Dibenzofuran	Abs. Difference	1630.00	740.00	UG/KG	0/ 1	0.0
Endrin	Abs. Difference	26.60	5.60	UG/KG	0/ 1	0.0

^{*}Rejected analytes and analytes that were not detected in both the sample or duplicate were not included *The precision measurement is an absolute difference when either the sample or duplicate results are < 5 times the CRDL, or a relative percent difference (RPD) if >= 5 times the CRDL, or a Duplicate Error Ratio if the parameter is a radiologic compound.

The control limits are 2 times the CRDL

Table F-9 (cont.). Ravenna Army Annunition Plant Phase 1 RI Summary of Field Duplicate Precision

Parameter	Method of Calculation*	Average Difference	Limit	s Units	Number Pairs Within Limits	Percent Within Limits
Fluoranthene	Abs. Difference	150.00	2600.00	UG/KG	1/ 1	100.0
Fluorene	Abs. Difference	2810.00	740.00	UG/KG	0/ 1	0.0
Heptachlor	Abs. Difference	2.10	2.60	UG/KG	1/ 1	100.0
Indeno(1,2,3-cd)pyrene	Abs. Difference	2570.00	2600.00	UG/KG	1/ 2	50.0
Methylene Chloride	Abs. Difference	1.00	10.00	UG/KG	2/ 2	100.0
Pentachlorophenol	Abs. Difference	800.00	6400.00	UG/KG	1/ 1	100.0
Phenanthrene	Abs. Difference	70.00	2600.00	UG/KG	1/ 1	100.0
Рутепе	Abs. Difference	200.00	2600.00	UG/KG	1/ 1	100.0
Inorganic		Matrix: S	ediment			
Antimony	Abs. Difference	0.60	1.68	MG/KG	1/ 1	100.0
Arsenic	Abs. Difference	1.20	1.92	MG/KG	1/ 1	100.0
Cadmium	Abs. Difference	0.02	0.10	MG/KG	5/ 5	100.0
Mercury	Abs. Difference	0.01	0.06	MG/KG	2/ 2	100.0
Selenium	Abs. Difference	0.18	0.80	MG/KG	6/ 6	100.0
Silver	Abs. Difference	0.60	1.06	MG/KG	1/ 1	100.0
Thallium	Abs. Difference	0.55	1.18	MG/KG	2/ 2	100.0
Organic		Matrix:S	ediment			
2,4,6-Trinitrotoluene	Abs. Difference	4640.00	500.00	UG/KG	0/ 2	0.0
Benzo(a)anthracene	Abs. Difference	10.00	3600.00	UG/KG	1/ 1	100.0
Benzo(a)pyrene	Abs. Difference	15.00	2200.00	UG/KG	2/ 2	100.0
Benzo(b)fluoranthene	Abs. Difference	190.00	3600.00	UG/KG	1/ 1	100.0
Benzo(g,h,i)perylene	Abs. Difference	30.00	3600.00	UG/KG	1/ 1	100.0
Chrysene	Abs. Difference	15.00	2200.00	UG/KG	2/ 2	100.0
Fluoranthene	Abs. Difference	50.00	3600.00	UG/KG	1/ 1	100.0
Indeno(1,2,3-cd)pyrene	Abs. Difference	30.00	3600.00	UG/KG	1/ 1	100.0
Pyrene	Abs. Difference	25.00	2200.00	UG/KG	2/ 2	100.0
Lorganic		Matrix G	roundwa	er		
Aluminum	Abs. Difference	5.30	36.00	UG/L	1/ 1	100.0
Arsenic	Abs. Difference	2.30	6.60	UG/L	1/ 1	100.0
Beryllium	Abs. Difference	0.01	0.60	UG/L	1/ I	100.0
Nickel	Abs. Difference	0.40	1.60	UG/L	1/ 1	100.0

^{*}Rejected analytes and analytes that were not detected in both the sample or duplicate were not included
*The precision measurement is an absolute difference when either the sample or duplicate results are < 5 times the CRDL, or a
relative percent difference (RPD) if >= 5 times the CRDL, or a Duplicate Error Ratio if the parameter is a radiologic compound.

The control limits are 2 times the CRDL

Table F-9 (cont.). Ravenna Army Annunition Plant Phase 1 RI Summary of Field Duplicate Precision

Parameter	Method of Calculation*	Average RPD	Limits Un	nits	Number Pairs Within Limits	Percent Within Limits
Inorganic		Matrix: S	oil			
Aluminum	Rel. % Difference	17.94	35.00	%	30/ 32	93.7
Antimony	Rel. % Difference	52.80	35.00	%	0/ 1	0.0
Arsenic	Rel. % Difference	17.76	35.00	%	28/ 32	87.5
Barium	Rel. % Difference	25.84	35.00	%	25/ 32	78.1
Beryllium	Rel. % Difference	12.07	35.00	%	7/ 7	100.0
Cadmium	Rel. % Difference	43.51	35.00	%	8/ 16	50.0
Calcium	Rel. % Difference	43.39	35.00	%	6/ 8	75.0
Chromium	Rel. % Difference	24.95	35.00	%	26/ 32	81.2
Cobalt	Rel. % Difference	19.64	35.00	%	6/ 8	75.0
Соррег	Rel. % Difference	26.74	35.00	%	6/ 8	75.0
Cyanide	Rel. % Difference	83.72	35.00	%	0/ 1	0.0
Iron	Rel. % Difference	18.35	35.00	%	8/ 8	100.0
Lead	Rel. % Difference	35.52	35.00	%	21/ 32	65.6
Magnesium	Rel. % Difference	22.30	35.00	%	7/ 8	87.5
Manganese	Rel. % Difference	26.61	35.00	%	27/ 32	84.3
Nickel	Rel. % Difference	26.67	35.00	%	6/ 8	75.0
Potassium	Rel. % Difference	24.24	35.00	%	5/ 7	71.4
Selenium	Rel. % Difference	22.72	35.00	%	2/ 2	100.0
Silver	Rel. % Difference	39.31	35.00	%	0/ 1	0.0
Sodium	Rel. % Difference	10.57	35.00	%	7/ 7	100.0
Thallium	Rel. % Difference	12.16	35.00	%	2/ 2	100.0
Vanadium	Rel. % Difference	14.46	35.00	%	8/ 8	100.0
Zinc	Rel. % Difference	23.84	35.00	%	25/ 32	78.1
Organic		Matrix: Sc	fil			
2,4,6-Trinitrotoluene	Rel. % Difference	144.97	35.00	%	1/ 6	16.6
4,4'-DDE	Rel. % Difference	100.00	35.00	%	0/ 1	0.0
Acetone	Rel. % Difference	58.06	35.00	%	0/ 1	0.0
Aroclor-1254	Rel. % Difference	10.52	35.00	%	1/ 1	100.0
Benzo(a)anthracene	Rel. % Difference	145.67	35.00	%	0/ 1	0.0
Benzo(a)pyrene	Rel. % Difference	138.02	35.00	%	0/ 1	0.0
Benzo(k)fluoranthene	Rel. % Difference	142.85	35.00	%	0/ 1	0.0
Chlorobenzene	Rel. % Difference	86.95	35.00	%	0 / 1	0.0
Chrysene	Rel. % Difference	144.37	35.00	%	0/ 1	0.0
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^{*}Rejected analytes and analytes that were not detected in both the sample or duplicate were not included
*The precision measurement is an absolute difference when either the sample or duplicate results are < 5 times the CRDL, or a
relative percent difference (RPD) if >= 5 times the CRDL, or a Duplicate Error Ratio if the parameter is a radiologic compound.

The control limits are 35 %

Table F-9 (cont.). Ravenna Army Annunition Plant Phase 1 RI Summary of Field Duplicate Precision

Parameter	Method of Calculation*	Average RPD	Limits U	^J nits	Number Pairs Within Limits	Percent Within Limits
Endrin	Rel. % Difference	26.08	35.00	%	1/ 1	100.0
Fluoranthene	Rel. % Difference	136.13	35.00	%	0/ 1	0.0
Gamma Chlordane	Rel. % Difference	27.58	35.00	%	1/ 1	100.0
Phenanthrene	Rel. % Difference	140.74	35.00	%	0/ 1	0.0
Рутепе	Rel. % Difference	144.82	35.00	%	0/ 1	0.0
Inorganic		Matrix: S	ediment			
Aluminum	Rel. % Difference	10.46	35.00	%	12/ 12	100.0
Arsenic	Rel. % Difference	20.12	35.00	%	9/ 11	81.8
Barium	Rel. % Difference	9.81	35.00	%	12/ 12	100.0
Beryllium	Rel. % Difference	11.20	35.00	%	2/ 2	100.0
Cadmium	Rel. % Difference	16.54	35.00	%	6/ 6	100.0
Calcium	Rel. % Difference	19.05	35.00	%	2/ 2	100.0
Chromium	Rel. % Difference	17.82	35.00	%	11/ 12	91.6
Cobalt	Rel. % Difference	14.16	35.00	%	2/ 2	100.0
Copper	Rel. % Difference	49.45	35.00	%	1/ 2	50.0
Iron	Rel. % Difference	3.77	35.00	%	2/ 2	100.0
Lead	Rei. % Difference	17.45	35.00	%	9/ 12	75.0
Magnesium	Rel. % Difference	14.09	35.00	%	2/ 2	100.0
Manganese	Rel. % Difference	16.60	35.00	%	10/ 12	83.3
Nickel	Rel. % Difference	15.46	35.00	%	2/ 2	100.0
Potassium	Rel. % Difference	26.82	35.00	%	2/ 2	100.0
Silver	Rel. % Difference	15.66	35.00	%	2/ 2	100.0
Sodium	Rel. % Difference	13.82	35.00	%	2/ 2	100.0
Vanadium	Rel. % Difference	5.47	35.00	%	2/ 2	100.0
Zinc	Rel. % Difference	13.54	35.00	%	11/ 12	91.6
Organic		Matrix: Se	diment			
2,4,6-Trinitrotoluene	Rel. % Difference	32.91	35.00	%	1/ 1	100.0
Acetone	Rel. % Difference	54.53	35.00	%	1/ 2	50.0
Organic Carbon	Rel. % Difference	10.89	35.00	%	9/ 9	100.0
Inorganic		Matrix Co	oundwater			
Barium	Rel. % Difference	2.68	35.00	%	2/ 2	100.0
Calcium	Rel. % Difference	0.33	35.00	%	2/ 2	100.0
Copper	Rel. % Difference	38.70	35.00	%	0/ 1	0.0
Iron	Rel. % Difference	2.07	35.00	%	1/ 1	100.0
I				, •	A, I	100.0

^{*}Rejected analytes and analytes that were not detected in both the sample or duplicate were not included *The precision measurement is an absolute difference when either the sample or duplicate results are < 5 times the CRDL, or a relative percent difference (RPD) if >= 5 times the CRDL, or a Duplicate Error Ratio if the parameter is a radiologic compound.

The control limits are 35 %

Table F-9 (cont.). Ravenna Army Annunition Plant Phase 1 RI Summary of Field Duplicate Precision

	Parameter	Method of Calculation*	Average RPD	Limits	Units	Number Pairs Within Limits	Percent Within Limits
	Magnesium	Rel. % Difference	0.23	35.00	%	2/ 2	100.0
	Manganese	Rel. % Difference	0.18	35.00	%	2/ 2	100.0
`	Potassium	Rel. % Difference	1.61	35.00	%	2/ 2	100.0
	Sodium	Rel. % Difference	2.35	35.00	%	2/ 2	100.0

^{*}Rejected analytes and analytes that were not detected in both the sample or duplicate were not included *The precision measurement is an absolute difference when either the sample or duplicate results are < 5 times the CRDL, or a relative percent difference (RPD) if >= 5 times the CRDL, or a Duplicate Error Ratio if the parameter is a radiologic compound.

The control limits are 35 %

F.4.3 Sensitivity

Determination of minimum detectable values allows the investigation to assess the relative confidence which can be placed in a value relative to the magnitude or level of analyte concentration observed. The closer a measured value comes to the minimum detectable concentration, the less confidence and more variation the measurement will have. Project sensitivity goals were expressed as quantitation level goals in the QAPjP. These levels were achieved or exceeded throughout the analytical process. There were individual exceptions which have generated qualification of the data or elevation of detections levels when the original goal was not achieved.

Variations observed are caused by fluctuations in moisture content, the need to dilute high concentration analytes into their linear range for analysis, or in a few instances project blank levels (i.e., methylene chloride, acetone). Variations in the observed detection levels did affect the usability of some of the data for the project. Moisture content and blank levels did not impact data useability, however, high levels of nitroaromatic compounds and general organic content did impact reported detection levels for explosive and other organic compounds. In several instances dilution factors of 1000 and more were required to bring contaminant nitroaromatics into their linear analytical range. General TOC levels also required sample dilutions prior to instrumental analysis, as demonstrated by samples such as CPCsd-007(p)-0656-SD and CPCsd-007(p)-0657-FD. These levels of contamination decreased the analytical sensitivity for the other analytes in that sample fraction.

Pesticide/PCB analyses were also impacted by high levels of TNT and other nitroaromatic compounds. It is believed that high concentrations of these compounds attacked the pesticide GC column material, causing loss of resolution and sensitivity for the targeted analytes. Effective analysis could only be obtained through sample dilution prior to chromatography, thus impacting the detection levels achieved. Table F-10 provides an overview of elevated detection level frequency for the project. Individual data point interpretation must consider the impact of elevated detection levels, however, the low percentages of elevated detection levels produced during this study should minimize these issues. Less than 2% of explosive data exhibit elevated detection levels greater than 2X the norm, with less than 5% of pesticide/PCB data exhibiting elevated detection levels greater than 2X the norm and approximately 1% of SVOC data exhibiting elevated detection levels greater than 10X the norm.

Evaluation of overall project sensitivity can be gain through review of field blank information. These actual sample analysis may provide a comprehensive look at the combined sampling and analysis sensitivity attained by the project. Field QC blanks obtained during sampling activities at RVAAP included samples of VOC trip blank waters and samples of the final equipment decontamination rinse water. Summary information for these blank determinations is presented in Tables F-11 and F-12.

Table F-10.

Ravenna Army Annunition Plant Phase 1 RI
Frequency of Elevated Detection Levels

Soil

Analyte	Units	Detection Level	Total Number of Non-detects	2 - 10 X Detection Level	10 - 100 X Detection Level	> 100 X Detection Level
Explosives	-					***************************************
1,3,5-Trinitrobenzene	UG/KG	250.00	360	1	1	1
1,3-Dinitrobenzene	UG/KG	250.00	394	1	8	2
2,4,6-Trinitrotoluene	UG/KG	250.00	236	0	0	0
2,4-Dinitrotoluene	UG/KG	250.00	385	1	8	1
2,6-Dinitrotoluene	UG/KG	260.00	394	1	8	2
2-Nitrotoluene	UG/KG	250.00	394	1	8	2
3-Nitrotoluene	UG/KG	250.00	394	1	8	2
4-Nitrotoluene	UG/KG	250.00	394	1	8	2
нмх	UG/KG	2000.00	374	1	7	2
Nitrobenzene	UG/KG	260.00	394	1	8	2
RDX	UG/KG	1000.00	370	1	6	2
Tetryl	UG/KG	650.00	362	1	6	2
Pesticides and/or PCBs						
4,4'-DDD	UG/KG	2.50	71	2	2	0
4,4'-DDE	UG/KG	2.50	56	2	1	0
4,4'-DDT	UG/KG	2.50	56	2	1	0
Aldrin	UG/KG	1.30	73	2	3	0
Alpha Chlordane	UG/KG	1.30	6 6	2	1	0
Alpha-BHC	UG/KG	1.30	78	2	3	0
Aroclor-1016	UG/KG	33.00	79	2	3	0
Asoclor-1221	UG/KG	33.00	7 9	2	3	0
Aroclor-1232	UG/KG	33.00	7 9	2	3	0
Aroclor-1242	UG/KG	33.00	7 9	2	3	0
Aroclor-1248	UG/KG	33.00	79	2	3	0
Aroclor-1254	UG/KG	67.00	56	0	1	0
Aroclor-1260	UG/KG	67.00	74	1	3	0
Beta-BHC	UG/KG	1.30	76	2	3	0
Delta-BHC	UG/KG	1.30	77	2	3	0
Dieldrin	UG/KG	2.50	73	1	3	0
Endosulfan I	UG/KG	1.30	77	2	3	0
Endosulfan II	UG/KG	2.50	74	2	3	0
Endosulfan Sulfate	UG/KG	2.50	78	2	3	0
Endrin	UG/KG	2.50	62	2	3	0
Endrin Aldehyde	UG/KG	2.50	7 1	2	2	0
Endrin Ketone	UG/KG	2.50	<i>7</i> 7	2	3	0
Gamma Chlordane	UG/KG	1.30	63	0	0	0
Gamma-BHC (Lindane)	UG/KG	1.30	76	2	3	0
Heptachlor	UG/KG	1.30	72	2	3	0
Heptachlor Epoxide	UG/KG	1.30	74	2	3	0
Methoxychior	UG/KG	13.00	78	2	3	0
Гохарhene	UG/KG	83.00	79	2	3	0
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	UG/KG	330.00	77	27	0	0
1,2-Dichlorobenzene	UG/KG	330.00	78	28	0	0
1,3-Dichlorobenzene	UG/KG	330.00	78	28	0	0
1,4-Dichlorobenzene	UG/KG	330.00	76	28	0	0
2,2'-oxybis (1-chloropropane)	UG/KG	56.00	78	49	28	0
2,4,5-Trichlorophenol	UG/KG	800.00	78	28	0	0
2,4,6-Trichlorophenol	UG/KG	330.00	78	28	0	0
2,4-Dichlorophenol	UG/KG	330.00	78	28	0	0

Table F-10 (cont.).	Ravenna Army Annunition Plant Phase 1 RI
	Frequency of Elevated Detection Levels

Soil						
2,4-Dimethylphenol	UG/KG	330.00	78	28	0	0
2,4-Dinitrophenol	UG/KG	800.00	78	28	0	0
2-Chloronaphthalene	UG/KG	330.00	78	28	0	0
2-Chlorophenol	UG/KG	330.00	78	28	0	0
2-Methylnaphthalene	UG/KG	330.00	71	24	0	0
2-Methylphenol	UG/KG	330.00	78	28	0	0
2-Nitroaniline	UG/KG	800.00	78	28	ő	0
2-Nitrophenol	UG/KG	330.00	78	28	0	0
3,3'-Dichlorobenzidine	UG/KG	800.00	78	28	ō	ő
3-Nitroaniline	UG/KG	800.00	78	28	ō	0
4,6-Dinitro-o-Cresol	UG/KG	330.00	78	28	ō	0
4-Bromophenyl-phenyl Ether	UG/KG	330.00	78	28	ō	o
4-Chloroaniline	UG/KG	330.00	78	28	0	ō
4-Chlorophenyl-phenylether	UG/KG	330.00	78	28	0	o
4-Methylphenol	UG/KG	330.00	78	28	0	ō
4-Nitroaniline	UG/KG	800.00	78	28	0	ő
4-Nitrophenol	UG/KG	800.00	78	28	o	0
4-chloro-3-methylphenol	UG/KG	330.00	78	28	0	0
Acenaphthene	UG/KG	67.00	69	43	25	0
Acenaphthylene	UG/KG	330.00	71	25	0	0
Anthracene	UG/KG	330.00	65	23	0	0
Benzo(a)anthracene	UG/KG	330.00	51	18	0	ō
Benzo(a)pyrene	UG/KG	330.00	50	18	0	0
Benzo(b)fluoranthene	UG/KG	330.00	53	20	0	0
Benzo(g,h,i)perylene	UG/KG	330.00	55	19	0	0
Benzo(k)fluoranthene	UG/KG	330.00	49	18	0	0
Bis(2-chloroethoxy)methane	UG/KG	330.00	78	28	0	0
Bis(2-chloroethyl)ether	UG/KG	330.00	78	28	0	0
Bis(2-ethylhexyl)phthalate	UG/KG	330.00	47	21	0	0
Butyl Benzyl Phthalate	UG/KG	330.00	75	26	0	0
Carbazole	UG/KG	330.00	65	23	0	0
Chrysene	UG/KG	330.00	46	16	0	0
Di-n-butyl Phthalate	UG/KG	330.00	66	24	0	0
Di-n-octyl Phthalate	UG/KG	330.00	78	28	0	0
Dibenzo(a,h)anthracene	UG/KG	330.00	61	22	0	0
Dibenzofuran	UG/KG	330.00	71	25	0	0
Diethyl Phthalate	UG/KG	330.00	78	28	0	0
Dimethyl Phthalate	UG/KG	330.00	77	27	0	0
Fluoranthene	UG/KG	330.00	40	14	0	0
Fluorene	UG/KG	330.00	67	24	0	0
Hexachlorobenzene	UG/KG	330.00	78	28	0	0
Hexachlorobutadiene	UG/KG	330.00	78	28	0	0
Hexachlorocyclopentadiene	UG/KG	330.00	78	28	0	0
Hexachloroethane	UG/KG	330.00	78	28	0	0
Indeno(1,2,3-cd)pyrene	UG/KG	330.00	56	19	0	0
Isophorone	UG/KG	330.00	78	28	0	0
N-Nitroso-di-n-propylamine	UG/KG	330.00	78	28	0	0
N-Nitrosodiphenylamine	UG/KG	330.00	76	26	0	0
Naphthalene	UG/KG	330.00	70	24	0	0
Pentachlorophenol	UG/KG	800.00	76	26	0	0
Phenanthrene	UG/KG	330.00	52	18	0	0
Phenol	UG/KG	330.00	78	28	0	0
Pyrene	UG/KG	330.00	46	17	0	0

Table F-10 (cont.). Ravenna Army Annunition Plant Phase 1 RI Frequency of Elevated Detection Levels

Sediment

Analyte	Units	Detection Level	Total Number of Non-detects	2 - 10 X Detection Level	10 - 100 X Detection Level	> 100 X Detection Level
Explosives						
1,3,5-Trinitrobenzene	UG/KG	250.00	126	0	0	0
1,3-Dinitrobenzene	UG/KG	250.00	129	0	0	o
2,4,6-Trinitrotoluene	UG/KG	250.00	95	0	0	0
2,4-Dinitrotoluene	UG/KG	250.00	129	0	0	0
2,6-Dinitrotoluene	UG/KG	260.00	129	0	0	0
2-Nitrotoluene	UG/KG	250.00	129	0	0	0
3-Nitrotoluene	UG/KG	250.00	129	0	0	0
4-Nitrotoluene	UG/KG	250.00	129	0	0	0
HMX	UG/KG	2000.00	127	0	0	0
Nitrobenzene	UG/KG	260.00	127	0	0	0
RDX	UG/KG	1000.00	127	0	0	0
Tetryl	UG/KG	650.00	127	0	0	O
Pesticides and/or PCBs						
4,4'-DDD	UG/KG	2.50	20	3	0	0
4,4'-DDE	UG/KG	2.50	19	3	0	0
4,4'-DDT	UG/KG	2.50	19	3	0	0
Aldrin	UG/KG	1.30	21	3	1	0
Alpha Chlordane	UG/KG	1.30	20	3	1	0
Alpha-BHC	UG/KG	1.30	21	3	1	0
Aroclor-1016	UG/KG	33.00	21	3	1	0
Aroclor-1221	UG/KG	33.00	21	3	1	0
Aroclor-1232	UG/KG	33.00	21	3	1	0
Aroclor-1242	UG/KG	33.00	21	3	1	0
Aroclor-1248	UG/KG	33.00	21	3	1	0
Aroclor-1254	UG/KG	67.00	18	2	0	0
Aroclor-1260	UG/KG	67.00	21	3	1	0
Beta-BHC	UG/KG	1.30	21	3	1	0
Delta-BHC	UG/KG	1.30	21	3	1	0
Dieldrin	UG/KG	2.50	21	3	1	0
Endosulfan I	UG/KG	1.30	21	3	1	0
Endosulfan II	UG/KG	2.50	21	3	1	0
Endosulfan Sulfate	UG/KG	2.50	21	3	1	0
Endrin	UG/KG	2.50	18	3	0	0
Endrin Aldehyde	UG/KG	2.50	20	3	0	0
Endrin Ketone	UG/KG	2.50	21	3	1	0
Gamma Chlordane	UG/KG	1.30	18	3	0	0
Gamma-BHC (Lindane)	UG/KG	1.30	21	3	1	0
Heptachlor	UG/KG	1.30	19	3	1	0
Heptachlor Epoxide	UG/KG	1.30	21	3	1	0
Methoxychlor	UG/KG	13.00	21	3	1	0
Toxaphene	UG/KG	83.00	21	3	1	0
Semi-Volatile Organics						
1,2,4-Trichlorobenzene	UG/KG	330.00	21	13	0	0
1,2-Dichlorobenzene	UG/KG	330.00	21	13	0	0
1,3-Dichlorobenzene	UG/KG	330.00	21	13	0	0
1,4-Dichiorobenzene	UG/KG	330.00	21	13	0	0
2,2'-oxybis (1-chloropropane)	UG/KG	110.00	21	13	7	0
2,4,5-Trichlorophenol	UG/KG	800.00	21	13	0	ō
2,4,6-Trichlorophenol	UG/KG	330.00	21	13	ō	Ō
2,4-Dichlorophenol	UG/KG	330.00	21	13	0	ō
-,		-24.43			•	•

Table F-10 (cont.). Ravenna Army Annunition Plant Phase 1 RI Frequency of Elevated Detection Levels

	Sediment						
;	2,4-Dimethylphenol	UG/KG	330.00	21	13	0	^
	2,4-Dinitrophenol	UG/KG	800.00	21	13	0	0
:	2-Chloronaphthalene	UG/KG	330.00	21 21	13	0	0
:	2-Chlorophenol	UG/KG	330.00	21	13	0	0
:	2-Methylnaphthalene	UG/KG	330.00	20	12	0	0
:	2-Methylphenol	UG/KG	330.00	21	13	0	0
:	2-Nitroaniline	UG/KG	800.00	21	13	0	0
:	2-Nitrophenol	UG/KG	330.00	21	13	0	0
• :	3,3'-Dichlorobenzidine	UG/KG	800.00	21	13	Ŏ	0
3	3-Nitroaniline	UG/KG	800.00	21	13	o	0
2	4,6-Dinitro-o-Cresol	UG/KG	330.00	21	13	0	0
4	i-Bromophenyl-phenyl Ether	UG/KG	330.00	21	13	0	0
4	1-Chloroaniline	UG/KG	330.00	21	13	0	0
4	4-Chlorophenyl-phenylether	UG/KG	330.00	21	13	0	0
4	1-Methylphenol	UG/KG	330.00	21	13	0	0
4	1-Nitroaniline	UG/KG	800.00	21	13	0	0
4	4-Nitrophenol	UG/KG	800.00	21	13	0	0
4	l-chloro-3-methylphenol	UG/KG	330.00	21	13	0	0
4	Acenaphthene	UG/KG	330.00	20	12	0	0
1	Acenaphthylene	UG/KG	330.00	20	12	0	0
A	Anthracene	UG/KG	330.00	18	10	0	0
I	Benzo(a)anthracene	UG/KG	330.00	13	6	0	0
F	Benzo(a)pyrene	UG/KG	330.00	12	5	0	0
E	Benzo(b)fluoranthene	UG/KG	330.00	12	5	0	0
E	Benzo(g,h,i)perylene	UG/KG	330.00	14	7	Ö	0
E	Senzo(k)fluoranthene	UG/KG	330.00	14	7	0	0
E	Bis(2-chloroethoxy)methane	UG/KG	330.00	21	13	0	0
E	Bis(2-chloroethyl)ether	UG/KG	330.00	21	13	0	0
E	Bis(2-ethylhexyl)phthalate	UG/KG	330.00	18	11	ō	0
F	Butyl Benzyl Phthalate	UG/KG	330.00	21	13	Ō	0
C	Carbazole	UG/KG	330.00	19	11	Ö	0
C	Chrysene	UG/KG	330.00	11	4	0	0
Ι	Di-n-butyl Phthalate	UG/KG	330.00	19	11	0	0
Ι	Di-n-octyl Phthalate	UG/KG	330.00	21	13	Ō	0
Ε	Pibenzo(a,h)anthracene	UG/KG	330.00	17	10	0	ō
E	Pibenzofuran	UG/KG	330.00	20	12	0	0
Ľ	Diethyl Phthalate	UG/KG	330.00	21	13	0	ō
Ľ	Dimethyl Phthalate	UG/KG	330.00	21	13	0	0
F	luoranthene	UG/KG	330.00	12	5	0	0
F	luorene	UG/KG	330.00	20	12	0	0
H	lexachlorobenzene	UG/KG	330.00	21	13	Ō	0
H	lexachlorobutadiene	UG/KG	330.00	21	13	0	0
H	lexachlorocyclopentadiene	UG/KG	330.00	21	13	0	0
	lexachloroethane	UG/KG	330.00	21	13	0	ō
L	ndeno(1,2,3-cd)pyrene	UG/KG	330.00	14	7	0	0
Įs	sophorone	UG/KG	330.00	21	13	0	0
N	-Nitroso-di-n-propylamine	UG/KG	330.00	21	13	0	0
N	-Nitrosodiphenylamine	UG/KG	330.00	20	12	0	0
N	aphthalene	UG/KG	330.00	21	13	0	0
P	entachlorophenol	UG/KG	800.00	21	13	0	0
P	henanthrene	UG/KG	330.00	16	9	0	0
P	heno!	UG/KG	330.00	20	12	0	0
P	утепе	UG/KG	330.00	11	4	0	0
						•	-

Table F-11. RVAAP Phase 1 RI - Data Quality Assessment Field Equipment Rinsate Blank Summary

Area	Sample ID	Date Collected	Analyte	Results	Units	Qual
Load Line 1	LL1mw-002-0665-ER	08/10/96	Aluminum	23.6	UG/L	J
			Barium	0.41	UG/L	J
			Manganese	0.79	UG/L	J
			Sodium	108	UG/L	J
			Heptachlor	0.04	UG/L	J
			Naphthalene	2	UG/L	J
Load Line 4	LL4wp-001-0664-ER	07/28/96	Aluminum	18.2	UG/L	J
Exam Paric 4			Barium	0.47	UG/L	J
			Beryllium	0.35	UG/L	J
			Calcium	222	UG/L	J
			Copper	0.71	UG/L	J
			Manganese	2.4	UG/L	J
			Potassium	32.2	UG/L	J
			Sodium	217	UG/L	J
			Methylene Chloride	10	UG/L	1

Table F-12. RVAAP Phase 1 RI - Data Quality Assessment
Trip Blank Summary

Area	Sample ID	Date Collected	Analyte	Results	Units	Qual
Landfill North of Winklepeck	LNW001-0444-TB	07/27/96	Methylene Chloride	12	UG/L	J
Load Line 1	LL1004-0082-TB	07/26/96	Methylene Chloride	10	UG/L	J
Load Line 2	LL2mw-003-0158-TB	08/19/96	Chloroform	1	UG/L	J
2000 12200 2	LL2mw-004-0159-TB	08/21/96	Methylene Chloride	8	UG/L	J
Load Line 3	LL3002-0227-TB	07/26/96	Methylene Chloride	11	UG/L	J
Upper and Lower Cobbs Pond	CPC -002-0663-TB	07/29/96	Methylene Chloride	12	UG/L	J

There were a minimal number of detected VOCs in project trip blanks. These were all near or below their associated Practical Quantitation Levels (PQLs) and only just above the laboratory instrument detection levels. These levels are not considered significant and have not caused data qualification. It is therefore determine that VOC analysis have not been affected through the transportation and storage process, and that the procedures and precautions employed were effective in preserving the integrity of the sample analysis.

Equipment rinsates document that effective decontamination of equipment has been performed for those contaminants of primary interest to the project. No metal, VOC, explosive, SVOC, or pesticide/PCB parameters were observed above their associated PQLs and only minor levels were reported above the laboratory instrument detection levels. There is no indication that cross-contamination has occurred nor has any data been qualified relative to these rinsates.

The potable water source field blank (0001FB), collected prior to initiation of field efforts, exhibited consistent and expected levels for major cation constituents. Metal, VOC, SVOC, explosive, and pesticide/PCB components observed are at levels below quantitation level goal for the project. It is therefore concluded that the potable water source employed for the work had no negative impact on study data.

F.4.4 Representativeness and Comparability

Representativeness expresses the degree to which data accurately reflect the analyte or parameter of interest for the environmental site and is the qualitative term most concerned with the proper design of the sampling program (EPA 1987). Factors that affect the representativeness of analytical data include proper preservation, holding times, use of standard sampling and analytical methods, and determination of matrix or analyte interferences. Only one data point was rejected based on a missed holding time, while a few explosive analysis required estimation due to extended holding times. Refer to Attachment F-3 for an analytic data status report for the project. Sample preservation, analytical methodologies, and soil sampling methodologies were documented to be adequate and consistently applied.

Cyanide analysis for groundwater sample LLAWP-060-0299-GW missed the 14 day holding time due to an error in assigning the proper analysis. Due to the significant delay (28 days) and lack of cyanide observed, the integrity of the analysis was compromised to the extent requiring rejection. A second cyanide value (soil sample WBGSS-066-0528-SO) was estimated "UJ", because it missed the holding time by six days. Four soil samples for explosive determinations were estimated "UJ" and "J" due to missed holding times of 4-11 days, while a set of pesticide soil samples at Load Line 4, which missed holding time by 1-2 days were accepted. These analytical holding times were missed due to requirements for dilution, re-extraction, and chromatographic interferences. Rejection or estimation of values relative to holding time issues did not impact data interpretation or detract form achieving the project objectives.

Comparability, like representativeness, is a qualitative term relative to a project data set as an individual. These RVAAP AOC investigations employed appropriate sampling methodologies,

site surveillance, use of standard sampling devices, uniform training, documentation of sampling, standard analytical protocols/procedures, QC checks with standard control limits, and universally accepted data reporting units to ensure comparability to other data sets. Through the proper implementation and documentation of these standard practices, the project has established the confidence that the data will be comparable to other project and programmatic information.

F.4.5 Completeness

Usable data are defined as those data which pass individual scrutiny during the verification and validation process and are accepted for unrestricted application to the human health risk assessment evaluation or equivalent type applications. It has been determined that estimated data are acceptable for RVAAP project objectives.

Objectives for the RVAAP Phase 1 RI have been achieved. The project produced valid results for 99% of the sample analyses performed and successfully collected all the samples planned.

F.5 Data Quality Assessment Summary

The overall quality of RVAAP Phase 1 RI information meets or exceeds the established project objectives. Through proper implementation of the project data verification, validation, and assessment process, project information has been determined to be acceptable for use.

Data, as presented, have been qualified as usable, but estimated when necessary. Data which have been estimated provide indications of either accuracy, precision, or sensitivity being less than desired but adequate for interpretation.

Data produced for this project demonstrates that it can withstand scientific scrutiny, is appropriate for its intended purpose, is technically defensible, and is of known and acceptable sensitivity, precision, and accuracy. Data integrity has been documented through proper implementation of QA and QC measures. The environmental information presented has an established confidence which allows utilization for the project objectives and provides data for future needs.

APPENDIX F — ATTACHMENT F-1

SAIC Data Validation Flagging Codes

DATA VALIDATION FLAGGING CODES

Organic and Inorganic Analytical Data

Holding Times

A01	Extraction holding times were exceeded.
A02	Extraction holding times were grossly exceeded.
A03	Analysis holding times were exceeded.
A04	Analysis holding times were grossly exceeded.
A05	Samples were not preserved properly.
A06	Professional judgement was used to qualify the data.

GC/MS Tuning

CI4

B01	Mass calibration was in error, even after applying expanded criteria.
B02	Mass calibration was not performed every 12 hours.
B 03	Mass calibration did not meet ion abundance criteria.
B04	Professional judgement was used to qualify the data.

Initial/Continuing Calibration - Organics

C01	Initial calibration RRF was < 0.05.
C02	Initial calibration RSD was >30%.
C03	Initial calibration sequence was not followed as required.
C04	Continuing calibration RRF was < 0.05.
C05	Continuing calibration %D was >25%.
C06	Continuing calibration was not performed at the required frequency.
C07	Resolution criteria were not met.
C08	RPD criteria were not met.
C09	RSD criteria were not met.
C10	Retention time of compounds was outside windows.
C11	Compounds were not adequately resolved.
C12	Breakdown of endrin or DDT was >20%.
C13	Combined breakdown of endrin/DDT was > 30%.

Professional judgement was used to qualify the data.

Initial/Continuing Calibration - Inorganics

- D01 ICV or CCV were not performed for every analyte.
- D02 ICV recovery was above the upper control limit.
- D03 ICV recovery was below the lower control limit.
- D04 CCV recovery was above the upper control limit.
- D05 CCV recovery was below the lower control limit.
- D06 Standard curve was not established with the minimum number of standards.
- D07 Instrument was not calibrated daily or each time the instrument was set up.
- D08 Correlation coefficient was < 0.995.
- D09 Mid range cyanide standard was not distilled.
- D10 Professional judgement was used to qualify the data.

ICP and Furnace Requirements

- E01 Interference check sample recovery was outside the control limit.
- E02 Duplicate injections were outside the control limit.
- E03 Post digestion spike recovery was outside the control limit.
- E04 MSA was required but not performed.
- E05 Correlation coefficient was < 0.995.
- E06 MSA spikes were not at the correct concentration.
- E07 Serial dilution criteria were not met.
- E08 Professional judgement was used to qualify the data.

Blanks

- F01 Sample data were qualified as a result of the method blank.
- F02 Sample data were qualified as a result of the field blank.
- F03 Sample data were qualified as a result of the equipment rinsate.
- F04 Sample data were qualified as a result of the trip blank.
- F05 Gross contamination exists.
- F06 Concentration of the contaminant was detected at a level below the CRQL.
- F07 Concentration of the contaminant was detected at a level less than the action limit, but greater than the CRQL.
- F08 Concentration of the contaminant was detected at a level that exceeds the action level.
- F09 No laboratory blanks were analyzed.
- F10 Blank had a negative value $>5 \times$'s the IDL.
- F11 Blanks were not analyzed at required frequency.
- F12 Professional judgement was used to qualify the data.

Surrogate Recovery

- G01 Surrogate recovery was above the upper control limit.
- G02 Surrogate recovery was below the lower control limit.
- G03 Surrogate recovery was <10%.
- G04 Surrogate recovery was zero.
- G05 Surrogate was not present.
- G06 Professional judgement was used to qualify the data.

Matrix Spike/Matrix Spike Duplicate

- H01 MS/MSD recovery was above the upper control limit.
- H02 MS/MSD recovery was below the lower control limit.
- H03 MS/MSD recovery was <10%.
- H04 MS/MSD pairs exceed the RPD limit.
- H05 No action was taken on MS/MSD results.
- H06 Professional judgement was used to qualify the data.

Matrix Spike

- I01 MS recovery was above the upper control limit.
- IO2 MS recovery was below the lower control limit.
- I03 MS recovery was <30%.
- 104 No action was taken on MS data.
- I05 Professional judgement was used to qualify the data.

Laboratory Duplicate

- J01 Duplicate RPD was outside the control limit.
- J02 Duplicate sample results were $>5 \times$ the CRDL.
- J03 Duplicate sample results were $<5\times$ the CRDL.
- J04 Professional judgement was used to qualify the data.

Internal Area Summary

- K01 Area counts were outside the control limits.
- K02 Extremely low area counts or performance was exhibited by a major drop off.
- K03 IS retention time varied by more than 30 seconds.
- K04 Professional judgement was used to qualify the data.

Pesticide Cleanup Checks

- L01 10% recovery was obtained during either check.
- L02 Recoveries during either check were > 120%.
- L03 GPC Cleanup recoveries were outside the control limits.
- L04 Florisil cartridge cleanup recoveries were outside the control limits.
- L05 Professional judgement was used to qualify the data.

Target Compound Identification

- M01 Incorrect identifications were made.
- M02 Qualitative criteria were not met.
- M03 Cross contamination occurred.
- M04 Confirmatory analysis was not performed.
- M05 No results were provided.
- M06 Analysis occurred outside 12 hr GC/MS window.
- M07 Professional judgement was used to qualify the data.
- M08 The %D between the two pesticide/PCB column checks was >25%.

Compound Quantitation and Reported CROLs

- N01 Quantitation limits were affected by large off-scale peaks.
- NO2 MDLs reported by the laboratory exceeded corresponding CRQLs.
- N03 Professional judgement used to qualify the data.

Tentatively Identified Compounds (TICs)

- O01 Compound was suspected laboratory contaminant and was not detected in the blank.
- O02 TIC result was not above $10 \times$ the level found in the blank.
- O03 Professional judgement was used to qualify analytical data.

Laboratory Control Samples (LCSs)

- P01 LCS recovery was above upper control limit.
- P02 LCS recovery was below lower control limit.
- P03 LCS recovery was <50%.
- P04 No action was taken on the LCS data.
- P05 LCS was not analyzed at required frequency.

Field Duplicate

Q01 No action was taken on the basis of field duplicate RPDs.

APPENDIX F — ATTACHMENT F-2

RVAAP Phase 1 RI Chain-of-Custody Forms



CHAIN OF CUSTODY RECORD PAGE 1 0F 2

COC NO.: ØØ \

																				LABORATORY NAME:
PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI									(Solid)							ĝ				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Selecman								id/Liquid)	SVOC, Pest/PCB, Explosives (&	(pink)	(Liquid)	Metals (23) (Solid\Liquid)	Jquid)	anide (Solid)	Cyanide (Solid)	Grain Size) (Solid			Vials:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nan	ne)				Ì	108)	A (§	1 2	8270B (Liquid)	180	(Soli	13 (1	, Cy	Š	9			les/	
Haura M. Maruan	LAUE	A U.	Moe	eison		100	1	8260A	Pest	827	Pest/PCB 8081	s (23)	de 90	Metals (23), Cyanide	=	ch (T			Bott	PHONE NO: (918) 251-2858
Sample ID	•,	Date C	ollected	Time Collected	Matrix		Metals	00	SVOC	SVOC	Pest/	Metal	Cyanide 9013 (Liquid)	Metal	Metals (11),	Geotech (TOC,			No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1195-028-0259-5	5 <i>0</i>	7/23	194	1455	SOIL	Ţi													2	
LL 355-023-0187-9	0			135¢	SOIL			1						ı				-	3	
LL355- 024-0188	- SO			1445	SOIL			1						1					3	
LL 355 - 625-0189	- 50	1	7	1525	301L			1						1					3	
LL4WP - 060-0299	1-4W	7/23	194	1435	WATER	1		2		-		1	1						8	VOA bubbles due to sedi. RXN W/ HC
LLZ - 002 - 0157		+	,	1635	WATER			2											3	TRIPBLANK
BIZ= - 001 - 0378-	- 50	ZA JUL	96	0950	SOIL			1				٠		١					3	
LL355-010-0172-	So			1018	SOIL	1	1												2	
BIZ== - 002 - 0379	- <i>SO</i>			/035	SOIL	1													2	
B1255 -002-0380	-FD	+		1035	JOIL	1	1												2	
B1255-002 LMM	17/24/96	_																		
LL355 - 012-0175	- SO	24 Ju	196	0909	SOIL	1													2	
LL355 - W1- 0177-	SO	+		0940	SOIL	ì													2	
RELINQUISHED BY:	Date/Time		ED BY:			e/Ti		Т	OTA	LN	JMB	ER (OF C	ON	TAIN	IERS	i :			Cooler Temperature:
2. m. Morrison	20 JULAL			leal-		5/4	6	С	oole	r ID:				*****						FEDEX NUMBER:
COMPANY NAME:	1530	_	any na JLO	ME:	09	55	-													
RECEIVED BY:	Date/Time		UISHEE	D BY:	Dat	e/Tir	ne	+-												
COMPANY NAME:	•	COMPA	ANY NA	ME:																
RELINQUISHED BY: Date/Time		RECEIVED BY:			Dat	e/Tir	ne													
COMPANY NAME:		COMPA	NY NA	ME:																24372

7



CHAIN OF CUSTODY RECORD PAGE Z 00 COC NO .: TOTAL DO CONT.

											REQ	UES	STE	D P/	ARA	MET	ERS	,				LABORATORY NAME:
PROJECT NAME: Ravenna Arm	y Ammunition Plac	it (RVA	AP) Pha	se 1 RI						old)							(Solid)					SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Selecman							O (Solid/Liquid)	(PI	did/Liquid)	SVOC, Pest/PCB, Explosives (S	Jewid)	Pest/PCB 8081 (Liquid)	Metals (23) (Solid/Liquid)	Cyanide 9013 (Liquid)	Metals (23), Cyanide (solid)	Metals (11), Cyanide (Solid)	Geotech (TOC, Grain Size) (So			ANKS	Vials:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature) (Printed Name)							833	S (So	A (Sc	t/PC	1080	8081	(\$0	013 () (3)	. c _y	70,			13	ttles/	PHONE NO: (918) 251-2858
Jawa M. Mon	War	LAURA M. Morrison			N		Explosives	Ĭ	VOC 8260A	C, Pes	SVOC 82708 (Liquid)	PCB	15 15 15	de 9	ls (2	11	ech		1	25	of Bot	OBSERVATIONS, COMMENTS,
Sample ID				Time Collected	Mati	rix	Exp	Meta	Voc	svo	svo	Pest	Met.	Cyan	Met	Meta	Geot			Tex	No.	SPECIAL INSTRUCTIONS
LL395 - 016 - 0179-50			10196	1040	Son	L			١	n					1				0000000		3	
LL3 35 - 015 - 0178			1	11/7	5611	L	١														2	
11450 - 014 - 024				0910	3011	L	١										_		0.000.000		2	
Li 455 - 015 - 0245	T - SO			1003	S014				1						1						3	
LL433 -016-0240	i-so			1202	Soil	<u>_</u>	1														2	
LL489 - 017 - 024			1225 S		L	1	1							_		_				2		
LL-495-018-024	8-50	\sqcup		1115	301	L	_1	1													2	
LL433-019-024	19 · SO			1033	501	L	1										L				2	
LL488-020-02	5 Ø-80	♦	·	1130	Soit	L	1														2	
CB001- CB003		ļ	LAST ENTE		Α		_													3	3	TEMP. BLANKS
		 					_						<u> </u>									
		<u> </u>				\rightarrow	_						_									
		<u> </u>													-							
RELINQUISHED BY:	Date/Time Z4 JUL94	RECE	IVED BY	: UKI	. .	Date			┕						COI				·	Ó	6	Cooler Temperature: 5'C
COMPANY NAME:			PANY N		\exists	7/25	1	16	C	oole	r ID	: E	33	il,	В,	ZC	انج	GI	8			FEDEX NUMBER:
SAIC	1530		WLO		1	095	5															0944266923
RECEIVED BY:	Date/Time	RELINQUISHED BY:				Date	/Tim	10							,							
COMPANY NAME:		COMPANY NAME:																				
RELINQUISHED BY:	Date/Time	RECE	IVED BY	:		Date	/Tim	16														
COMPANY N. 14E:		СОМІ	PANY NA	AME:			4															2" 'C 7"



CHAIN OF CUSTODY RECORD PAGE 1 0F2 COC NO.: 200 002

						REC	UE	STE	D P	ARA	MET	ERS	3			LABORATORY NAME:		
PROJECT NAME: Ravenna Army Ammunition Plan			Τ		T _	Γ		Γ		T				T		SW Lab of Oklahoma, Inc.		
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Selecman				30 (Solid/Liquid)	- F	VOC 8260A (Sold/Liquid)	SVOC, Pest/PCB, Explosives (Solid)	SVOC 82708 (Liquid)	Pest/PCB 8081 (Liquid)	Metals (23) (Solid'Ulquid)	Cyanide 9013 (Liquid)	Metals (23), Cyanide (Solid)	Metals (11), Cyanide (Solid)	, Grain Size) (solid)			sls:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature) (Printed Nan				8330	Metals (11) (Solid)	A G	st/PC	208	808	<u>8</u>	9013	3), C	±, c	Geotech (TOC,			ttles/	PHONE NO: (918) 251-2858
Dama M. Mossya 1	LAURA M.	MORRISON	J	ostv	8	826	S, P)C 87	PCB	als (2	ş	als (2	ᆙ	tech			of Bot	OBSERVATIONS, COMMENTS,
Sample ID		Time Collected	Matrix	Explo	ž	Š	Š	SK SK	<u>8</u>	Me	Š	Met	ğ	Geo			ž	SPECIAL INSTRUCTIONS
BIZSO-007(d)-0304 - SD	24 JUL 94	1415	301-	1										١			3	
B12=1-006(d)-0305-SD	7_	1432	SOIL	1										1			3	
B125d-005(d)-0384-5D)	1445	SOIL			1						1		3			4	
B12-51-064 (6)-0303-5D	- 5	1525	301∟	1										1			3	
B125d-003(d)-0382-5D	<u> </u>	1510	BOIL	1										1			3	
LL 385 - 009-0171-90		1417	SOIL	<u> </u>										_		1	2	
LL 345 -011-0173 -SO	7	1438	301L		1												2	
LL 355 - 013 - 0176-50	 	1505	601L	1	1											***	2	
11345-002-0162-80	 \	1555	SOIL			١	1					1					3	
11-345-005-0167-80	 	1613	501L		1											200	2	
LL 305 - 007-0169-60		1642	301L	1	ı	_										33 T	2	
11-1 up - 061- 0300-GW		1145	WATER	ļ		2		1	ı	1	1					11	7	
RELINQUISHED BY: Date/Time	24 JUL 44	1450	WATER Date	Tim		2											3	
Date/Time	RECEIVED BY:	wal	7/2			\vdash				SEK	UF	CON	I AII	NER	:S: 	 	Ł	Cooler Temperature: 2'(,4'(, 5'
COMPANY NAME:	COMPANY NA	ME:	09:	•			oole	יטו ז:									F	FEDEX NUMBER:
RECEIVED BY: Date/Time	RELINQUISHED		Date												-			
COMPANY NAME:	COMPANY NA	ME:																
RELINQUISHED BY: Date/Time	RECEIVED BY:		Date	/Tim	ne	1												
COMPANY NAME:	COMPANY NA	ME:																



CHAIN OF CUSTODY RECORD PAGE Z OF 2 COC NO .: COC NO .:

									REC	UES	STE	D P	ARA	MET	ERS	3			LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plan	it (RVAAP) Pha	se 1 RI		Г			Sid.							(Solid)				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sele	ecman				0 (Solid/Liquid)		olid/Liquid)	SVOC, Pest/PCB, Explosives (S.	Lquid)	(Liquid)	(Solid/Liquid)	(Liquid)	ranide (Solid)	Cyanide (Solid)	Grain Size)		BLANKS	Vials:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nam	e)		· · ·	833		8260A (S	st/PC	SVOC 8270B (Liquid)	Pest/PCB 8081	23) (\$0	Cyanide 9013 (Liquid)	Metals [23], Cyanide	(11), C)	Geotech (TOC,		18 d	ottles/	PHONE NO: (918) 251-2858
Lawa M. Marisa	n L	AURA W.	Morris	ow	Explosive	Metals (11)	C 826	OC.P.	8 00	J.	Metals (23)	nide	tests (;	tels (otech		1 West	of B	OBSERVATIONS, COMMENTS,
Sample ID		Date Collected	Time Collected	Matrix	ă	Š	0 0 0	Š	Š	å	ž	Š	Š	ž	8	302000	^	No.	SPECIAL INSTRUCTIONS
LL4 wp - 059-8299	8-GW	25 JUL96	0930	WATER					1		1							4	
B1258-0086)-03		7	0855	5011	1	1			L				_		1		 	3	- All - W
B1258-008(P)-038		5	Ø855	8012	1		_								L			3	
B12=d-009(r)-039	10-SD		0925	SOIL	L)						1		1			1	
LL34 - 026 - 0190	- 50		0950	301L	1										_			2	
LL300 - 026 - 0191	-FD		4950	JOIL	1													Z	
LLASS-033-0266	- 50		4955	SOIL	1		_				_		_					2	
UASS-033-0264	1- FD		Ø55	3012	1		_								_			2	
LLA45-032-026	3 - 50		1035	SOIL	1		_		_									2	
LL44- 031-0262	z - So		1134	SOIL	1				L				_					2	
BIZ - 001-0391.	-тв	V	145	WATER	\perp		2								_			2	TRIP BLANK
CB005 - CB007		NA	NA	NA			_		L								3	3	TEMP BLANKS
L	AST ONT	24	<u> </u>	<u> </u>	<u> </u>	***							*		8				
RELINQUISHED BY:	Date/Time	RECEIVED BY		Dat			1	TOT	AL N	MUI	BER	OF	CO	NTA	INE	RS:	U	ϕ	Cooler Temperature: 5°C
Laura M. Marisa	7/25/94	COMPANY N	Mal-	- 7/2	6/4	16		Coole	er IC): Z	z do	a	Blz	,	₽~	9]			FEDEX NUMBER:
COMPANY NAME:	1600	SW La	ame: 6 of OK	09	'÷6	25	1				>Ψ (<i></i>	DIA	٠,					0944266886
RECEIVED BY:	Date/Time	RELINQUISHE		Dat	e/T	ime													
COMPANY NAME:		COMPANY NA	AME:																
RELINQUISHED BY:	Date/Time	RECEIVED BY	:	Dat	e/Ti	ime													
COMPANY PITTE:	1	COMPANY N	AME:		í														21 1.65%



CHAIN OF CUSTODY RECORD PAGE | 05 5

COC NO.: ## Ø03

							RE	QUE	STI	ED	PAF	RAN	1ETE	RS			LABORATORY NAME:		
PROJECT NAME: Ravenna Army A	Ammunition Plan	it (RVAAP) Ph	ase 1 Ri					(Solid)	i							Ī			SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sele	cman		***************************************	· · · · · · · · · · · · · · · · · · ·	0 (Solid/Liquid)		VOC 8260A (Soliditionid)	. %	(ounid)	Pest/PCB 8081 (Louid)	Matale (22) tealed incide	Iduation	9013 (Liquid)	Metals (23), Cyanide (Solid)	(Solid)	Gram Size; (Solid)		Viats:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nam	ie)			833	3	S) A	I/PCE	SVOC 8270B (Llaukd)	8081		9	93	<u>ن</u> اين				tles/	PHONE NO: (918) 251-2858
Laura M. Morrisa	1.00	54 d.i.d.	recison		Explosives	Metals (11)	8260	8	82	PCB	2 2	2 1	6 P	22	E .	George II UC,		of Bot	
Sample ID	<u> </u>		Time Collected	Matrix	E	ž į	20	SVO	SV0	Pest			Cyanide	Meta	Metais	2005		Š.	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
CPC wp-dil- OZZI	-GW	2500296	815	WATTER	J		2	2	١	ı	ı							7	
CPC WP - 011 - 0224 -		7	1315	WATER	1		2	2	۱		١	۱ 🖁		***************************************				7	
B12 -002 - 0392-		<u> </u>	1315	WATER			2	-						-				2	TRIPBLANK
LL345-001-0161-	<i>60</i>		1150	BOIL	1													2	
LL355-004-0166-	60		1207	SOIL	1		_											2	
LL 355 - 006-0168.	- 50		1234	301-	1				_					_				2	
LL3==-008-0176	- SO		1256	SOIL	1		_		_								<u> </u>	2	
LL34-008-0174	-FD		1254	SOIL	1						_			_				2	
LL355 - Ø17 - Ø180			1515	301L														2	
LL355- 018- 0181			1450	BOIL	1													2	
LL 355- Ø19- Ø182	<u>- 80</u>	144	1431	SOIL	1		_				1			_				2	
LL 365 - 020 - 018 LL 365 - 020 - 018	3-30 mm	12011	1400	SOIL			1						1					3	
LL355- 020-018	14-60-FO		1400	SOIL	<u> </u>									1				3	
RELINQUISHED BY:	Date/Time	RECEIVED B		Date	/Tir	me /_		ΓΟΤ	AL N	NUN	IBE	R O	FC	ONT	ΓΑΙΝ	RS:			Cooler Temperature:
		COMPANY	Moore-	1	*7	46	7.	Cool	er IC):								,	FEDEX NUMBER:
COMPANY NAME:			of OK	-7/s	30		2.5	O E	•	<	L	- f	29		5			!	Se 74.5
RECEIVED BY:	Date/Time	RELINQUISH		Date	/Tia	me-	7	No	71~	_								_	
COMPANY NAME:		COMPANY N	IAME:																
RELINQUISHED BY:	Date/Time	RECEIVED B	Y:	Date	/Tir	me													
COMPANY NAME:		COMPANY I	IAME:																4.6,5.6,3.6,5%



COC NO.: DOG CONT. CHAIN OF CUSTODY RECORD PAGE 2 0F 5 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 REQUESTED PARAMETERS LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. LABORATORY ADDRESS: PROJECT NUMBER: 0010 1700 West Albany Suite C PROJECT MANAGER: Steve Selecman Broken Arrow, OK 74012 Cyanide 9013 (Liq Sampler (Signature) PHONE NO: (918) 251-2858 Xaura M. Marian LAURA W. WOERISON 70 OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS Date Collected | Time Collected Sample ID Matrix LL355-021-0185-50 25 JUL96 1341 SOIL LL 355-022-0186-30 1540 SOIL L1265- 014 - 0325- 50 1400 2 SOIL 2 L1254 - 018- 0327-50 152d 5014 3 L1245-019-0328-80 1435 SOIL 2 L1245 - 020 - 0329 - 90 SOIL 1605 LL455 - 026-0257-50 1445 901L LL455-029-0260-50 1605 SOIL 25 JUL96 1515 LLA4, - 027-0258- 50 SOIL 26 10196 0825 LL3= -003-0163-80 SOIL LL355-003-0164-80 0825 SOIL 2 LL 366- 029-0195-SO 1131 5014 LL355- 030-0196-80 2610296 1020 SOIL RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Date/Time Cooler Temperature: RELINQUISHED BY: Cooler ID: FEDEX NUMBER: Ser 745 COMPANY NAME: COMPANY NAME: Su 795 10:56 SW Lab ALOK Date/Time RELINQUISHED BY: Date/Time RECEIVED BY: COMPANY NAME: COMPANY NAME: Date/Time RECEIVED BY: Date/Time RELINQUISHED BY: COMPANY NAME: COMPANY N 114E:

4'5,9 ,3'5,5



800 Oek Ridge Turnpike, Oek Ridge, TN 37831 (423) 481.	4600	CI	IAIN O	FC	US	TO	DY	R	EC	OR	D	F	À Ł	Œ	3	0=		COC NO.: SON
PROJECT NAME: Ravenna Army Ammunition	Plant (RVAAP) Phi	ase 1 Ri		<u> </u>	T		R	EQI	JEST	ED	PAF	RAM	ETE	RS				LABORATORY NAME:
PROJECT NUMBER: 0010				(Pig.			(Solid)					€	Ē	(Solid)				SW Lab of Oklahoma, Inc. LABORATORY ADDRESS:
PROJECT MANAGER: Steve Selecman				O (Solidatio	Ş.	(id/Liquid)	Explosiv	(danid)	(Liquid)	d/Liquid)			Cyanida (Solid)	Grain Size)				1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature) (Printed Haura M. Morridox	Name) LAURA W	. Worris	on	ives 833	(11) (Solid)	8260A (Sc	SVOC, Pest/PCB, Explo	SVOC 8270B (Liquid)	Pest/PCB 8081 (Liquid)	Metais (23) (Solid/Liquid)	Cyanide 9013 (Liquid)	(23)	Ę	,T0C,			- 1 7	PHONE NO: (918) 251-2858
Sample ID		Time Collected	Matrix	Explosive	Metals	Voc 8	SVOC	SVOC	Pest/P	Metai	Cyanic	Metals	Metals	Geotech	ł			OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
LL355-031-0197-SO	26 JUL 96	1111	SOIL	1								=		7			2	
LL345-032-0198-80		1050	S014	1													2	
LL355-033-0199-80	15	1000	SOIL	١													1/2	<u> </u>
LL355-034-0200-80	 	0940	SOIL	i													2	
LL345 -036-0203-50	1	Ø9Ø5	SOIL	1													2	
L1245 - OZI - O33Z - SO		0910	SOIL														2	
L1744 - 021 - 0330-FD		0910	SOIL	1													Ż	
LIZSS-014-0322-80		0957	3014	i													2	
L1254-015-0324-80		1035	9014	1		_											2	
L1265-015-0823-FD		1035	301L	1													2	
L1255-008-0313-60	1-2-1	1115	BOIL	1	N												2	
LIZSS -008-0314-FD	V	1115	SOIL	1		_											2	
LLASS - 034 - 0267- 60	2630-96	1115	BOIL			ì					I						3	
RELINQUISHED BY: Date/Time	RECEIVED BY:	//_/	Date,			тот	AL I	NUN	VBEF	OF	co	NTA	AINE	RS				Cooler Temperature:
Sawa M. WOVWALL COMPANY NAME:			= 7/27	7/9	6	Coo	ler (C) :							-			FEDEX NUMBER:
SAIC	SW Lab	ofok	107	50	>				2	201	34.	5	-					See 129.5
RECEIVED BY: Date/Time	RELINQUISHED		Date/	/Time	e		_											
COMPANY NAME:	COMPANY NA	ME:																
RELINQUISHED BY: Date/Time	RECEIVED BY:		Date/	Time	,								٠					
COMPANY NAME:	COMPANY NAI	ME:		<u></u>				_				•						4'c, 3°c, 4'c 5°c, 3°c



CHAIN OF CUSTODY RECORD PAGE 4 0= 5

COC NO.: 2003 CONT

	-				L				RE	QUE	STE	D P/	ARA	MET	ERS				LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plan	t (RVAAP) Pha	se 1 RI					ie stien							Đ				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010				 .		olid (Polid)				giệ	iquid)	(Pi	ide (Solid)	Cyanide (Solid)	Grain Size! (Solid			Venter	LABORATORY ADDRESS: 1700 West Albany Suite C
PROJECT MANAGER: Steve Sel	lecman						(P#6	[Self 2		į		Ę	Cyanide	Yan	, a				
Sampler (Signature)	(Printed Nam			,	1 6	3 3		VOC 8260A (Solid	SVOC 82708 (Liquid)	Pest/PCB 8081	Metals (23) (Solid/Liquid	Cyanide 9013 (Liquid)	231, (13,	Geotech (TOC,			0	PHONE NO: (918) 251-2858
Jawa M. Monda	<u> </u>	WEA U.	Uveriso	<u>/</u>	_	- XDIOSIN	Metals	C 82	0,00	r/PC	tale	anide	Metals (23),	Metals (11),	otech			1	OBSERVATIONS, COMMENTS,
Sample ID		Date Collected	Time Collected	Matrix	× 1	ŭ :	Ž ;	<u>کا ک</u>	8 8	, L	<u> </u>	ે છે	<u> ₹</u>	ž	ő	******	-	333	SPECIAL INSTRUCTIONS
LLASS-012-024Z	-00	26 JUL 96	1210	3011	<u>- 1</u>			_										2	
LLASS-011 - 0241.	- 90	<u> </u>	1312	SOIL	- 11			_	.									2	2
LL945-006-0236	-60		1332	5012	<u>- 1</u>				_									2	
LL445-001-0231	1-80		1450	8016	- 1)												2	
LL955-035-026	6-50		1505	6011	<u>- 1</u>													1/2	1.7221
LNWWD-020-0	139- GW	4	1100	WATE	<u>e 1</u>		2	2			_							3	
LNWWp-020-04 LLI-009-0082-	TB	ZW4196	0930	WATEX	<u>e</u>		8	2		_	_							2	TRIP BLANK
LNW wp - 021-04	10 - GW, NX	7/24/942	D930	WATE	R	_	2	2					_				_	2	- · · · · · · · · · · · · · · · · · · ·
CPCWp-013-022	3-78-4W		1350	WATE			<u> </u>	2	_				_			<u></u>		1	2
LL3-00Z-07Z			1350	WATER	e L		* /	2										2	TRIP BLANK
LL355-039(b)-0	0204 - BO		1334	SOIL	_												_		
LL355-037-020	<i>p</i> 4-80	-	1415	SOIL	1						_							72	
LL385-040(b)-0	207-So	26JUL 96		3012															
RELINQUISHED BY:	Date/Time	RECEIVED BY			Date/T		- 1	TOT	AL I	NUM	IBEF	OF	CO	NTA	INER	RS:			Cooler Temperature:
	4	COMPANY N	Medan	7	1/27/	196	·	Coo	ler II	D:			۸.			_			FEDEX NUMBER:
COMPANY NAME:		SW Las	of OK	(10:5	50						5	ec	P9	. 5				See 74.5
RECEIVED BY:	Date/Time	RELINQUISHE		C	Date/T	ime													
COMPANY NAME:		COMPANY NA	AME:																
RELINQUISHED BY:	Date/Time	RECEIVED BY	:		Date/T	ime	,												
COMPANY N 1E:	1	COMPANY NA	AME:		(4'6,3° 15'C



				IAIN OI	Т										5	OF	<u> </u>	
PROJECT NAME: Ravenna Arm	y Ammunition Pla	nt (RVAAP) Pha	se 1 Ri		\vdash	1		₽ RE	QUE	STE	D PA	RAI	MET	1		$\overline{\mathbf{T}}$	_	LABORATORY NAME: SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010				-	in/Liquid)		(pind	losives (Solid	F	Ę.		(Solid)	(Solid)	Size) (Solid)				LABORATORY ADDRESS: 1700 West Albany
ROJECT MANAGER: Steve Se	elecman				0 (\$0	(P)	MidNLiq	F.Expl	(Log	id/Liqu	(Liquid)	Cyanide	Cyanide	Grain			Vials:	Suite C Broken Arrow, OK 74012
ampler (Signature)	(Printed Na	ne)	· · · · · ·		833	Metals (11) (Solid)	VOC 8260A (Solid/Liquid	SVOC, Pest/PCB, Explosiv	Pest/PCB 8081 (Liquid)	Metals (23) (Solid\Liquid)	013 (۲. دې	1), Cy	T0C,			1	
Laura M. Morra	ac lau	BA W. We	perison		Explosives	de (1	826(C, P.	PCB	ds (Z	Cyanide 9013	Metals (23),	ls (11),	gct (of Bottle	
Sample ID			Time Collected	Matrix	Expl	Meta	VOC	SVO	Pest/	Meta	Cyan	Meta	Metals	Geotech			No.	
LIZSS-017-03Z	6-50	26 JUL96	1335	5 011-													2	
LIZSS-004-03	W9-80	7	1450	SOIL	1												2	
LIZSG - 005-03	10-60	7	1525	SOIL	1												2	
L1255 - 006- 03	11-50	7	1555	SOIL	Ĺ												2	
L1255-007-0312	2-50	Z6 JUL 96	1415	SOL			1	1				1					3	
LAST ENTRY												Ì						NOTE: 4 COOLANT BLANKS
· · · · · · · · · · · · · · · · · · ·		\																CBOID - CBOIZ
				· · · · · · · · · · · · · · · · · · ·														
							X							_				
	<u> </u>	<u> </u>					_					\dashv						
	-						_					_		\preceq			Ш	
																		
LINQUISHED BY:	Date/Time	RECEIVED BY:		Date				TAL N								129	<u>'</u>	Cooler Temperature: 5°C
MPANY NAME:	7/20/96	COMPANY NA	ME.	7/27	/9	6	Cod	ler ID	: <i>B</i>	19	4	<i>37</i>	9	BO	04	βZ	ر احر	FEDEX NUMBER:
SAIC	183¢	SWLa	botok	11	و:(ا	50				',	,		1)		,		,	0944266864
CEIVED BY:	Date/Time	RELINQUISHED		Date	/Tim	18									•	<u> </u>	1	
DMPANY NAME:	- '	COMPANY NA	ME:	-														
ELINQUISHED BY:	Date/Time	RECEIVED BY:		Date.	/Tim	e												
OMPANY NAME:	1	COMPANY NAI	ME:			ĺ												
	1																	3°c,5°c, 4°c,5°c

F-61



ORIGINAL

CHAIN OF CUSTODY RECORD PAGE 1 OF 8

COC NO.:

	,									UES	STE	D P/	ARA	MET	rens	•				LABORATORY NAME:
PROJECT NAME: Ravenna Army A	Ammunition Plan	t (RVAAP) Pha	se 1 RI					9							Î					SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sele	cman				30 (Solid/Liquid)	(Pax	olid/Liquid)	SVOC, Pest/PCB, Explosives (Sc	Liquid)	(Liquid)	Metals (23) (Solid/Liquid)	(Liquid)	yanide (Solid)	Cyanide (Solid)	Grain				Vials:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature) Yawa W. Morroda	(Printed Nam	e) 24 IU. IU	orrison		ves 83	(11) (\$c	VOC 8260A (Solichia	Pest/PC	SVOC 8270B (Liquid)	Pest/PCB 8081	(23)	Cyanide 9013 (Liquid)	(23), Cyanide	13,	16				Bottles	PHONE NO: (918) 251-2858
Sample ID		Date Collected		Matrix	Explosives	Metals (11)	/OC 8;	SVOC,	SVOC	Pest/PC	Wetals	Cyanid	Metals	Metals	Geotech				No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
L1255 - 010-031				SOIL	1	Ī					_		_						2	
LIZ= 0.0 0318		> >	Ø9 <i>05</i>	SOIL	7	7												31	2	
LIZS - 012 - 03		10	0950	3014			١	1					١						3	
L1266 - 012 - 03			6950	8014			1	1					I						ź	
L1255 -013-03			1025	30/L			1	1					1						3	
L1253-024(b).0			1115	BOIL		1													1	
LL44-002-0232			Ø9 <i>Ø</i> Ø	SOIL	1	1													2	
U44-003-023-			0925	SOIL			1						1						3	
LL455-004-0234	1- 30		1135	901L	1		_										_		2	
LL 445-005-023	5 -SO		Ø95Ø	3016	1	1													2	•
444-022-025	12-50	<u> </u>	1055	3016	_		1	1					Ш						3	
LL44, - 023 - 025		7	1015	301L			Ш						\coprod				-	₩.	3	
U345-027-0193	3 - So	27 JUL96	0825	SOIL		1	Ļ.		L										긱	
RELINQUISHED BY:	Date/Time	RECEIVED BY		Date			Ţ	OTA	L N	UΜ	BER	OF	COI	NTA	INE	RS:				Cooler Temperature:
	4	COMPANY NA		7/30/	96		ļ	oole	r ID	:										FEDEX NUMBER:
COMPANY NAME:		SWLO	AIVIE:	/o2:	S															
RECEIVED BY:	Date/Time	RELINQUISHE	D BY:	Date	e/Tir	ne														
COMPANY NAME:	•	COMPANY NA	AME:																	
RELINQUISHED BY:	Date/Time	RECEIVED BY	:	Date	e/Tir	ne														
COMPANY NA**		COMPANY NA	ME:																	ai 2: 5:/e
COM ANT NA		001411 A147 147			i		1													ji 2i 5i /i 1i 3i 4i



800 Oak Ridge Turnpike, Oak Ridge, TN 37	831 (423) 481-4600	<u> </u>	CH	IAIN OF	= (CU	ST	OE	Υ	RE	CO	RE)	PA	LIE.	Z	. of	. 6	coc	:.ON		- 'DNT:	
PROJECT NAME: Ravenna Army	Ammunition Plan	nt (D\/ A A D) Bha			L						STE								LABOR.	ATORY N	AME:	~~,	
, , , , , , , , , , , , , , , , , , , ,		III (INVAAF) FIId	86 I UI		-		ł	1	P						ĝ				SW Lat	of Oklaho	oma, Inc.		
PROJECT NUMBER: 0010					{		1		2		İ		_₹	8	(Solid)				LABOR	ATORY A	DDEEC.		
		·	·	.] :			_	, g	1_	(Solid)		Size				1700 W	/est Alban			
PROJECT MANAGER: Steve Sel	ecman					5		(Solid/Liquid)		E journey	A S	9013 (Louid)	P P	Cyanide	Grain				Suite C Broken	Arrow, Ok	74012		
Sampler (Signature)	(Printed Nam	ne)	···	<u> </u>	Ĕ	3 3		8 9		8	3	13,	Ď	ò				1	:	· · · · ·			
Lawa M. Morron	L LAU	MA U. Was	raison		Explosives	Je (11)	VOC 9260A	SVOC Part/PCR Explo	SVOC 82708 (Hospid)	Pest/PCB 8081	Metals (23) (solidizionid)	96 90	Metals (23), Cyanide	Metals (11),	Geotech (TOC,				ā	NO: (918)	251-285	8 	
Sample ID		1	Time Collected	Matrix		Metals	5	N ON	SVO	Pest	Meta	Cyanide	Meta	Meta	Geot						ONS, COMM INSTRUCTION		
LL35d-047(d)-0	0214-5D	27JUL96	1025	BOL	1	1									1				+				
LL345-028-019	14-50	2	0845	SOIL			Ī						ì					1			· · · · · · · · · · · · · · · · · · ·		
LL365-008(b)-0	1205-80	5	1122	SOIL		Ti												1	1				
LL350- 0461d)-			1050	BOIL	ī										$\overline{}$			1	,				
LL3Ed-048(d)-0			1000	BOIL	Ť	H	-				-							3					
LL350-050(d)-0			0910	BOIL	1										1			3					
LL 36d - 049(d)-0) (0930	SOIL	1										1			13	 				
-11255- day -di30		1	1505	601L											_			۲			1-010		
CFC wp - 013 - 022			1355	WATER	1		1		1		-							F		um 7/	1	4	
LNWWP-019-0438		/ /			1		2		1		 	88.52 88.88						12	VOAS	oluppe	d Zie J	UL 960,	Coc#
LNW-001-0444				WATER	. 1		2	2000										1	Meto	115 W 1	350 m	_1	
LL45-007-0237-		1		WATER	1		Z	-	_						-			2	·	PBL	ANK		
LL 456-008-0238-	7		1315	SOIL	<u>.</u>		-											2					
RELINQUISHED BY:	Date/Time	Z7JULGG	1340	BOIL	1		<u>L</u>				Ш							2	-				
MEDITORIAL BY.	Date/Time	RECEIVED BY:	•	7/2× /			ַן י	OTA	AL N	UMI	BER	OF	CON	TAII	VER:	S:			Cooler T	emperatur	e:		
COMPANY NAME:	1 4	COMPANY NA	uson	7/30/4	6		١٩	Coole	er ID	:									FEDEX N	UMBER:			
		SUKO		1025	•																		1
RECEIVED BY:	Date/Time	RELINQUISHED	BY:	Date/	Tin	ne	\dagger												1				
COMPANY NAME:		COMPANY NAI	ME:																				İ
							_																1
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date/	Tin	ne																	
COMPANYMANA	-			_																			
COMPANY NAME:		COMPANY NAI	ΛE:	-																			



CHAIN OF CUSTODY RECORD PAGE 3 OF 8

COC NO .: SAL CONT.

		T				REC	UES	STE	D PA					<u> </u>		<u>, </u>	LABORATORY NAME:			
PROJECT NAME: Ravenna Army	Ammunition Plan	t (RVAAP) Pha	se 1 RI					Solid							ĝ					SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sel	ecman			 	0 (Solid/Liquid)		Md/Liquid)	sives ((Liquid)	(Liquid)	(Solid\Llquid)	Liquid)	Cyanide (Solid)	Cyanide (Solid)	Grain				Vials:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sempler (Signature) Laura M. Morro	(Printed Nam		wereison		ives 833	111) (Solid)	8260A (Sc	SVOC, Pest/PCB, Explo	SVOC 8270B (L	I	[23]	90	(23),	Ξ	E				f Bottles/	PHONE NO: (918) 251-2858
Sample ID		Date Collected		Matrix	Explosives	Metals	Voc	svoc	svoc	Pest/F	Metals	Cyani	Metais	Metal	Geotech				No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
LL-154-009-023	9 -60	27 JUL96	1358	501L			1	1					١						3	
LL35d-051(d)-0		7	1328	SOIL	ı										1				3	
LL34d-052(d)-		5	1408	BUIL	1	li									1				3	
LL360-053(d)			1610	361-			1	1					1		1				4	
LL350 - 035(d)-)	1700	BOIL	1														2	
LL 3-2 - 035(d)-			1700	BOIL	1														2	
L1244 - 009 - 0			1335	BOIL	1														z	
L12-4-002-03)	1412	501L	i														2	
LIZ= - 003 - 03			H25	3014	1														2	
L1254-001-03			1505	SOIL			1						1						3	
L1244 - 040 - 031			1540	BOIL	1														2	
L1244-040-03		4	1540	BOIL	1														2	
L1255-041-03		27 JUL96	1610	BOIL			ì						1						3	
RELINQUISHED BY:	Date/Time	RECEIVED BY	:		te/Ti		Ţ	FOT#	AL N	IUM	BER	OF	co	NTA	INE	RS:				Cooler Temperature:
			lison	7/20	196	,	[Coole	ır ID):										FEDEX NUMBER:
COMPANY NAME:		COMPANY NA	AME:	102	5															
		SUCO	D DV.		te/Ti	me	+											_		
RECEIVED BY:	Date/Time	RELINQUISHE	DBY:	ا ا	16, 11	1110														
COMPANY NAME:	-	COMPANY NA	AME:																	
RELINQUISHED BY:	Date/Time	RECEIVED BY	:	Da	te/Ti	me														
COMPANY NAME:	-	COMPANY NA	AME:			,														4



800 Oak Ridge Turnpike, Oak Ridge, TN 374	831 (423) 481-4600	· · · · · · · · · · · · · · · · · · ·	CH	IAIN O	F	CU	S	ΓΟΙ	DΥ	R	EC	OF	RD	\mathcal{P}_{i}	A4	E	4	o=	8	COC NO.: ODA CONT.
													PAF							LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plan	nt (RVAAP) Pha	se 1 Ri		\int				<u>ş</u>							÷				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sele	ecman		<u> </u>		_	(Solid/Liquid)	_	(Miquid)	Explosives (So	(pint	(Liquid)	(Solid/Liquid)	quid)	Cyanide (Solid)	Cyanide (Solid)	Grain Size) (Solid)				LABORATORY ADDRESS: 1700 West Albany Suite C
Sampler (Signature)	(Printed Nam	ne)		•	48	8		(Soli	8	2	2	<u> </u>	3	Š	Ç	ပ				Broken Arrow, OK 74012
Laura M. Mones			Wereson	J		Sives 8	Metals [11]	8260A	SVOC, Pest/PCB, Explo	C 8270B		(23)	901	[23]	5,	ech (TO			100.0	
Sample ID		Date Collected	Time Collected	Matrix		Explo		8	SVO.	svoc	Pest	Z Z Z	Cyan	Metals	Metals	Geot				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
CPC wp - OIZ-O		28 JUL96	Ø945	WATER	1		<u> </u>	2				1		20000000					7	,
CPC-001-066Z	- TB	>	0945	WATER	_			2						2000					2	TRIPBLANK
LL955 - 037-021	1-50		1/Фф	5014				1						1					3	
LL 45x -038-027	72-50		1130	BOIL	П							2000000							2	2
11455-039-027	3-80	<u> </u>	1042	SOIL	1														2	
LL955-040-027	4-60		1115	SOIL		L													2	
LL155-025-002	8-50		1048	SOIL				1						1					9	
LL133 - 026-00	29-50		1024	SOIL				1					l						3	
LL154, -027-00	3Ø · SO		1112	SOIL				ı					\ 						3	3
L12=0 - 033(d)-0	344-50		0925	SOIL												1			3	
L1250-034(0)-	0345-5b		1008	3014	J														3	
LIZ=1- 035(d)-	0346-50	*	1633	SOIL		ı										1			3	
L125d- 036/d)-0	\$347-5D	28/0196	1059	SOIL	ı		300000									1			3	
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date				TOT	AL	NUI	MBE	RO	F C	TNC	AIN	ER	S:	- Project		Cooler Temperature:
			ion	7 <i>ks</i> /	96	•	Ī	Coo	ler fi	D:										FEDEX NUMBER:
COMPANY NAME:		COMPANY NA	ME:	1625																
DECEMEN ON	D . =	SWLO					+													
RECEIVED BY:	Date/Time	RELINQUISHE	DBY:	Date	0 /11	ıme	-													
COMPANY NAME:		COMPANY NA	ME:																	
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date	e/Ti	ime	7													
COMPANY NAME:		COMPANY NA	ME:																	



Science Applications International Corporation			CI	I A I	NI OE	_	110	·TC	יחו	V E) 	יחי	ρŊ	_		_			<i>آ</i> ءَ		COC NO.: TOTH
800 Oak Ridge Turnpike, Oak Ridge, TN 37-	N OF													<u>) = '</u>	\circ		<u> </u>				
PROJECT NAME: Ravenna Army	/ Ammunition Plan	it (RVAAP) Phar	se 1 Rl		}	 	T	_		REQ	UES	TEL	PA	RAN	METE	1		\top	Т	\dashv	LABORATORY NAME: SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010						(Liquid)		£	sives (Solid)			=		(Solid)	(Solid)	Size! (Solid)				į	LABORATORY ADDRESS: 1700 West Albany
PROJECT MANAGER: Steve Sel	lecman					30 (Solid	(pijo	(Solid/Liquid)	SVOC, Pest/PCB, Explosiv	(Liquid)	1 (Liquid)	Metals (23) (solid/Liquid)	(Liquid)	Cyanide (Solid)	anide	Grain				/ Vials:	Suite C Broken Arrow, OK 74012
Sampler (Signature) Laura M. MONH	(Printed Name	LAURA U		50n		ives 83;	(11)		Pest/PC	SVOC 82708 (Liquid)	Pest/PCB 8081	; (23) (\$	Cyanide 9013 (Liquid)	(23), C	≓	ch (TOC,				Bottles/	PHONE NO: (918) 251-2858
Sample ID	,010	-		1	Notrix	Explosives	Metals (11)	VOC 8260A	SVOC	SVOC	Pest/P	Metals	Cyanid	Metals (23),	Metals	Geotech				No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
LLAS - 025 - 02		28JOL96	1550	╂)] [Ť					Ī			•			3	
LLASS - 025 - 025		7	1550	1	01L		T	Ħ	h			П		i					••••	3	
LL455-025-02			1430		3010			Ħ	Ħ	\vdash				i					***	3	
LL 455 - 036-026			1505		612	1	17													2	
LL445-036-021			1505	1	b1L	ì														2	
L1Z45-02Z(b)-0:			1442		012																
L12 44 - (023(b)-0			1340	S	012	Ĺ														Ц	
L1250-026(d)-0			1550	400	612	Ĺ		1	1					1		1		_	<u>.</u>	4	
LL4wp-0001-0xdl) '	196547	W	ATER	1		2		1	1	1								Z	Equipment Ristate
LL14- 037-0042			1410	1	OIL	1		_										_	900	2	
LL155-036-00AD-		<u> </u>	1434	50	DIL	<u></u>		1	1										000	3	
LL155-036-0041.		Ż	1434	5	کات	<u> </u>		1										_#	000	3	
LL14-034-0036		28JUL96		60	11-	1	1	Ļ												2	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	•	,	Date			ľ	OTA	(L N	UME	3ER	OF (CON	NATV	NER	łs:				Cooler Temperature: 5 2
	- (1 / /	ALAON-		7/30/	96	>	0	coole	ır ID	:							•			FEDEX NUMBER:
COMPANY NAME:	!	COMPANY NA	.ME:	ļ	1025																
RECEIVED BY:	Date/Time	RELINQUISHED	D BY:		Date	/Tir	ne												_	_	
COMPANY NAME:	1 .	COMPANY NA	ME:																		
RELINQUISHED BY:	Date/Time	RECEIVED BY:	:		Date	/Tir	me									•					
COMPANY NAME	1	COMPANY NA	AME:				í														(



Science Applications International Corporation																				COC NO . ALE
800 Oek Ridge Turnpike, Oek Ridge, TN 37	831 (423) 481-4600	' 	Cł	IAIN	OF	CI	US —	TO	DY	R	EC	O	RD	F	300	2 (00	= {	3	COC NO.: CONT.
PROJECT NAME: Ravenna Army	Ammunition Plan	nt (RV/AAD) Dha	ca 1 Di			<u> </u>			F	REQ	UES.	TEC	PA	RAN	ИΕŤ	ERS				LABORATORY NAME:
71,0020			-						(Solid)		İ			i		(Solid)				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010						(bild)			/es (\$	İ				쿌	₽					LABORATORY ADDRESS:
-	 		<u></u>			jidik.	j	(pyn)	losiv		<u>ş</u>	ĝ	<u>.</u>	e (Solid)	(Solid)	n Size)			.	1700 West Albany
PROJECT MANAGER: Steve Sel	ecman					30 (\$	(Solid)	olidiLi	B,Ext	(Liquid)	(Liquid)	A Lie	Li qui	Cyanide	Cyanide	Grain			Vials	Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nan	•				83	1) (\$	OA (S	2	8270B (8081	3) (\$	9013 (Liquid)	(23), C	(11), C	(TOC,			tles/	PHONE NO: (918) 251-2858
Lawa M. Monda	. LAU	BA W. W	preison			osive	ls (11)	8260A	SVOC, Pest/PCB, Explo	C 82	Pest/PCB 8081	ils (23)	ide 9	ls (2	ls (1	ech (of Bot	
Sample ID			Time Collected	Meti	rlx	Explosiv	Metals	0 0 0	svo	SVOC	Pest	Metals	Cyanide	Metais	Metals	Geot			S S	
LL154-031-003	5-00	2810196	1558	Soll	4	1													2	
LL155-033-003	1- 80		1643	8611	L		1												2	
LL155-035-0034	1- 6 0		1500	SOI	L	1													2	
LL155-032-0036	- 50		1615	3011	<u>_</u>	1													2	
LL155-001-0001	-80		1718	Soil	4			1						1					3	
LIZWD-057-0371			1510	WAT	ER			2						-					2	<u> </u>
LL/wp-068-0437		*	1620	WAT		1		2		1		1	1						7	1
LNWWD-022-044		2810196	1245	WA				2											2	VOA = unpreserved
LNWup-020-04	34 - GW	2620196	1100	WATE	8 /2							1							1	Collicted over 7/26-28/96
L12=1-025(d)-0=	36-50	29 VUL96	B91B	5011	<u>_</u>	1										1			3	, ,
L12=d-027(d)-0	336-50	7	0815	8016	L	1						00000				١			3	
L1250 - 028(d)-03	39-50	4	0955	3012	_			1				20000		1		ı			4	
L1250-029(d)-03	310-5D	29 JUL 96		801	L	L										ì			3	
RELINQUISHED BY:	Date/Time	RECEIVED, BY:			Date			то	TAL	. NU	MBE	R	OF C	ON.	TAI	IER	S:		-3	Cooler Temperature:
		<i>,</i> – –	lison	7	130/9	îla		Co	oler	ID:										FEDEX NUMBER:
COMPANY NAME:		COMPANY NA	ME:		1025															
PEOPLE -	ļ	Suco		_				├												
RECEIVED BY:	Date/Time	relinquishei	D BY:		Date/	/ I Ime	е													
COMPANY NAME:		COMPANY NA	ME:																	
		'																		
RELINQUISHED BY:	Date/Time	RECEIVED BY:			Date/	/Time	8													
COMPANY NAME:	;	COMPANY NA	ME:																	



CHAIN OF CUSTODY RECORD PAGE 70F8 COC NO .: CONT

		l				REQ	UES	TEC	PA	RAN	VET E	RS				LABORATORY NAME:			
PROJECT NAME: Ravenna Army A	mmunition Plant	t (RVAAP) Pha	se 1 RI					Solid							(Solid)				SW Lab of Okłahoma, Inc.
PROJECT NUMBER: 0010					(Solid/Liquid)		d\Liquid)	SVOC, Pest/PCB, Explosives (\$	(pint	(Liquid)	Metals (23) (Solid\Liquid)	(Liquid)	Cyanide (Solid)	Cyanide (Solid)	Grain Size) (S.			Viale:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
PROJECT MANAGER: Steve Select					33	Be	(Soli	8	Ž	8081	Solic	3 (1)	δ	ځ	(TOC, 0			3	
Sampler (Signature)	(Printed Name		. 41		8 8	E	60A	lest/F	270	8 80	[23]	9013	(23),	11),	Ĕ			9446	PHONE NO: (918) 251-2858
Jawa M. Morris	W L	TURA K	1. Morri	50N	Explosives	Metals (11)	VOC 8260A	S	SVOC 82708 (Liquid)	Pest/PCB	r als	Cyanide	Metals (23),	Metals	Geotech			7	OBSERVATIONS, COMMENTS.
Sample ID		Date Collected	Time Collected	Matrix	ă	Š	8	8	≥	<u>P</u>	ž	်	ž	ž	ğ			1 2	A
LLI wp - 069-044	11- GW	29 JUL960	0915	WATER	L		Z	-			_							2	
LLI wp - 067 - 0431			Ø83Ø	WHER	1		2	2			_						- 🖁	1	
CPC-002-0663-7			<i>ው83</i> ው	WATER			2				_				_			2	
LL9=0-05Kd)-028		1	0950	601L	١										l			3	
LL 455 - 046-0281 - 90			0900	3011	1													2	
LL4 54-047-028Z-			0922	SOIL	1													2	2
LL4=0-013/0)-024			1045	BOIL	i								<u></u>		1			3	3
LL450 - 021(6) - 02			1110	SOIL	I										١			:	3
			0920	SOIL	li													7	2
LL 145-000-0007		 	0850	301L	Ti													1	2
LL1 54- 007-0008-		 	OB30	BOIL	li	ı												1	2
LL 145 - 062-0002		4	0945	SOIL	li													1	2
L1-144 - 008 - dod	d 60	29 Jul 96		SOIL	Ħ														2
LL165-017-00Z	Date/Time	RECEIVED BY	<u> </u>		te/T	ime	*** 	TOT	AL I	NUN	:: IBEF	OF	CO	NTA	INE	RS:			Cooler Temperature:
RELINQUISHED BY:	Date/Tillio	1 / 1 .	ligon				ŀ	Cool											FEDEX NUMBER:
COMPANY NAME:	(COMPANY N		7/30	90	9	-		J. 1.	•									
		Swc			5_		_												
RECEIVED BY:	Date/Time	RELINQUISH		Dat	te/T	ime													
COMPANY NAME:		COMPANY N	IAME:																
RELINQUISHED BY:	Date/Time	RECEIVED B	Y:	Da	te/T	ime													
COMPANY N T:		COMPANY N	IAME:		į	((



800 Oak Ridge Turnpike, Oak Ridge, TN 3	17831 (423) 481-460	o	CI	HAIN C)F	Cι	JS	то	DY	/ RI	EC	OF	₹D	P	age	. {	<u>ه 3</u>	FE	3	COC NO .: DA Cont.
PROJECT NAME: Ravenna Arm	v Ammunition Pla	nt (P\/AAD) Bha	os 1 Di		ļ	 -			F	REQL	JEST	ΓED	PAF	RAN	/ETI	ERS				LABORATORY NAME:
THOUSE THE THE THE THE	y Amironidon Fia	III (NVAAF) FIIB	se i vi		-1	- [ļ		(Solid)	i		1		l		ĵ				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010				 ·	\rfloor	NLiquid)		₹	8			2		(Solid)	(Solid)	Size) (Solid)		\ v)	LABORATORY ADDRESS: 1700 West Albany
PROJECT MANAGER: Steve Se	elecman					30 (Sollic	(<u>Q</u>	olid\Llqu	8,Explo	Liquid)	(Cloud)	(Solid/Liquid)		Cyanide	anide	Grain		LANK	Vials:	Suite C Broken Arrow, OK 74012
Sampler (Signature) Lawa Marah	(Printed Nan	ne) - Worn so	M			sives 83:	Metals {11} (\$	8260A (s	SVOC, Pest/PCB, Explosiv	SVOC 82708 (Liquid)	Pest/PCB 8081 (Liquid)	Metals (23) (5,	8	(23),	s (11), Cyanide	Geotech (TOC,		0	30tte	PHONE NO: (918) 251-2858
Sample ID				Matrix		Explosive	Meta	00 ×	SVOC	3000	Pest/	Metal	Cyani	Metals	Metals	Geote		J. J.	No. of	
LL164-018-002		24Jul96	1030	301L	\bot	Д.													2	
LL14-019-002		+	ΠΦΦ	SOIL				1											3	
LL144 - 021 - 002	14-80	29JUL96	1130	SOIL)													2	
COOLANT BLA					\downarrow	_												9	9	TEMPERATURE BLANKS
LAST	entry.	<u> </u>		ļ	_				<u> </u>											
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RELINQUISHED BY:	Date/Time	RECĘIVED BY:		Da	 rte/1	<u>l</u> Time	333	TO	®Ł. ГАL	NUI.	MBE	R O	OF CO	® DNT	SSI '∆IN	FRS	<u> </u>	<u> </u>		Cooler Temperature: 500
D. Morroda	1645	Julue	isom	7/30	1/-	_												25	<u> </u>	<u> </u>
COMPANY NAME:	7.29.96	COMPANY NA	ME:						3	/3,	, Β:	-, 3 <i>2</i>	э <i>и</i> с ' В	ク _/ ^く スフ	9 Z '	4 i	B17 R3	, SØ	5	FEDEX NUMBER:
SAIC	12174	SWW		10=	<u>~</u>							_ ′	,		,0	, _	~			094426647Ø
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COMPANY NAME:	-	COMPANY NAI	ME:																	
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CHAIN OF CUSTODY RECORD PAGE 1 OF 3 COC NO. TO S

PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI									REC	UES	STE	D PA	ARA	MET	ERS				LABORATORY NAME:
PROJECT NAME: Ravenna Army A	Ammunition Plan	t (RVAAP) Pha	se 1 Ri		Г			(Solid)							(Solid)			T	SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sele	cman			, <u></u> .	0 (Solid\Liquid)	(P	8260A (Solid\Liquid)	\$ 5 ×		(Liquid)	Metals (23) (Solid/Liquid)	Liquid	Cyanide (Solid)	Cyanide (Solid)	Grain Size) (So				LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nam	e)	_		833	\$	₹		88	1981	(\$0	9013 (Ö,		-		PHONE NO: (918) 251-2858
Lawa M-Morrodon	. LA	WRA W. L	loperson		Explosives	Metals (11)	8260	Pest	SVOC 8270B (Liquid)	Pest/PCB 8081	s (23	6 90	Metals (23),	15	Geotech (TOC,	E .			E
Sample ID		1	Time Collected	Matrix	- Ag	Meta	200) XO	SVOC	Pest/	Meta	Cyanide	Meta	Meta	Geot				SPECIAL INSTRUCTIONS
LLI wp - 067- 6436	e-GW	Z9JUL94	Ø83 Ø	WATER					1				2000000						3 WA, EXP, MET. SHIPPED 7.29.96
LLIWP-069-0491		29 JUL96	0915	WATER	1														1 VOA SHIPPED 7.29.46 COC.+4
LL155-010-0011.	- <i>00</i>	29 JUL96	1407	SOIL			1	1					1						3
LL154-005-0005	- BO		1445	3012														1	2
LL164 - 005-000	- FD		1445	BOIL	1													1	2
LUGG - 020-0023	3 - <i>6</i> 0		1615	SOIL	i														2
LL155-003-0003	- 80		1545	SOL		1												:	2
LL144-009-0010			1345	5014	1													1	2
LL144-004-0004	1-50		1575	6012	1													2	2
LL144-022-0025	- 80		1635	BOIL	1														2
L1268-037(8)-03			1520	SOIL	1													1	3
L1244-012-0357	-60	$\overline{}$	1407	3014	1	1												<u>'</u>	2
LIZ44-013-0355	5- 80	2970196	1325	SOIL	1													1	2
RELINQUISHED BY:	Date/Time	RECEIVED BY			e/Ti			гот	AL N	MUI	BER	OF	COI	NTA	INE	RS:			Cooler Temperature: 5'(2'(2'C
	ļ ·	11:10	Kel	7	31/	196	<i>></i> [Cool	er IC):									FEDEX NUMBER:
COMPANY NAME:		COMPANY NA	Comber	0.8	5	<u>ں</u>	1												
RECEIVED BY:	Date/Time	RELINQUISHE		Das	te/Ti	me													
COMPANY NAME:		COMPANY NA	AME:																
RELINQUISHED BY:	Date/Time	RECEIVED BY	:	Dat	te/Ti	me	7												
COMPANY, ME:		COMPANY NA	AME:		((



800 Oak Ridge Turnpike, Oak Ridge, TN 3		,	Ci	HAIN O	F (SUC	ST	OD	ΥF	REC	oı	RD	\mathcal{P}	ΆL	F	2	0E		COC NO.: 1819	. T -
				-	T					QUES								_	LABORATORY NAME:	<u>/·</u>
PROJECT NAME: Ravenna Arm	y Ammunition Plai	nt (RVAAP) Pha	se 1 RJ			T	T		Т								\top	\top	SW Lab of Oklahoma, Inc.	
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Se	elecman				(Solid\Liquid)		Al insidi	Explosives (Solid)		(Liquid)	(Solid/Liquid)	(pint	nide (Solid)	níde (Solid)	Grain Size) (Solid)				LABORATORY ADDRESS: 1700 West Albany Suite C	
Sampler (Signature)	(Printed Nam				무	Solid	(Sol	CB,	3 (Liquid)	19 E	Solid	9013 (Liquid)	Cyanide	Cyanide	Ω,				Broken Arrow, OK 74012	
Laura M Mons	·	•	loerison		Sives 8	Metals (11)	8260A	SVOC, Pest/PCB, Explo	C 8270B	Pest/PCB 8081	Metals (23) (<u> </u>	(23),	(11),	ech (To					
Sample ID		Date Collected		Matrix	Explosive	Meta) 0 2	svo	SVOC	Pest/	Meta	Cyanide	Metals	Metals	Geote				OBSERVATIONS, COMME SPECIAL INSTRUCTION	
L1264-044-03	54-80	29 JUL94	1245	SOIL	$oldsymbol{\perp}$		1	1										3		
L1254-045-036	57-80		1445	301L	}													1		
LL450-058(d)-	0297-5b		1550	SOIL	1										1			1		
LL45d-049(d)-	0286-5D		1515	8012	ì													3		
LL 450-044(d)-0	5278-50	4	1635	SOIL	$\overline{\mathbf{L}}$										i			3	•	
LL450-044(0)-0	D279-FD	29 JUL96	1635	BOIL	\prod													3		
LL150-02A-00	27-50	50JUL96	0820	SOIL	Li													Z		
11/4-012-00			1030	801L	1													رد	-	
LL155-023-00	026-80		0848	SOIL	\coprod													7		
LL155 - 040-00	147·50		1)10	3011									000000000000000000000000000000000000000					2		·
LL144 - 038-00	43-80		0945	SOIL							00000		1					3		
LL155 - 039-00	144-60	7	10905	301L	1													2		
LL165- 039-00	45 - FD	30, JUL96	0905	5014	1													Ź	,	
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date			T	ОТА	L NI	JMBI	ER (OF C	ON.	FAIN	JER:	s:		-11	Cooler Temperature: 5°C	2020
	-	M. M.	wal	 -7/3	31/	96	С	Coole	r ID:			-							FEDEX NUMBER:	-,,, -
COMPANY NAME:		COMPANY NA	me: Gomber	08	<u>5 c</u>	>														
RECEIVED BY:	Date/Time	RELINQUISHED) BY:	Date	-/Tin	ne														
COMPANY NAME:		COMPANY NA	ME:																	
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date	 e/Tin	ne	-													
COMPANY NAME:	-	COMPANY NA	ME:																	



800 Oak Ridge Turnpika, Oak Ridge, TN 378	31 (423) 481-4600		CF	IAIN	OF (CUS	ST(σ		<u>3 (</u>) = :	<u> </u>	COC NO.: DOC CONT.
PROJECT NAME: Ravenna Army A	Ammunition Plan	it (RVAAP) Phas	se 1 RI		F	_	-	П	REQL	JES1	TED	PAF	RAM	\neg	Т		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	 	LABORATORY NAME: SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010						(Victorial)	Pi	sives (Solid)		_	Q		(Solid)	(Solid)	Size) (Solid)		BLI		LABORATORY ADDRESS: 1700 West Albany
PROJECT MANAGER: Steve Sele	cman					(Solida (Bid.)	o#d/Liq	B, Expl	Liquid)	(Liquid)	(Solid/Liquid)	(Liquid)	Cyanide	Cyanide	Grain		Ara P	Vials:	Suite C Broken Arrow, OK 74012
iampler (Signature)	(Printed Nam		المالية المالية	i		/88 853 (11) (\$c	60A (s	est/PC	1270B (Pest/PCB 8081	(23) (\$0	ΜI	(23), Ç	(11), 0	Geotech (TOC,		TEMPERATURE	Bottles/	PHONE NO: (918) 251-2858
Juna M Mor	MAC	Date Collected	U. MORT	Matri		Explosives & Metals (11)	VOC 82	SVOC,Pe	SV0C 8270B	Pest/PC	Metals (23)	Cyanide	Metals (23),	Metals	Seotec		7.EX	No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
WBG 5- 005-016	h an	3020296		Soil			-	<i>"</i>	<i>"</i>		-		_		Ĭ			2	
WBG 45- OOG- OAG	4	- COOC 19	1030	3014														2	
WB6144 - 004 - 045			1115	8014	-	1												2	
WB144-007-046			1000	501		L												2	
WB64- 008.046	3.50		0925	50/	<u>_</u>		1	Ш					1					3	
LIZ=0- 030(d) -	0341.50		0815	50/	1	1	_								1			3	
L1250 - 038(1)-0	349-SD		0940	301	L									_	1			3	
L1250-039(0)-0	35Ø·3D		0855	561	14	<u>i [1</u>	_								1		-	3	
LLAGO - 048(1)-02			1130	Sol											1			3	
LLAGO - 045(d) -02			1134	501									_					2	
LL450-051dd)-02		7	1040	SOIL									,		1			3	
LL480 - 057(d) 0	286.50	30 UL90	1050	5010	-		1		-	-	_		1		1		-	4	
COOLANT BLAN	7''			<u> </u>		-	<u> </u> 			<u> </u>								3	
ELINQUISHED BY:	Date/Time	RECEIVED BY	woul		Date/			ГОТА										35	7
Faurand Monoda OMPANY NAME: SAIC	7:30:96 1600	COMPANY NA	ME:		950	•		Coole	r ID:	Ca	ø⊰	ی د)C	(₁ \	30	~			FEDEX NUMBER: 0944766497
ECEIVED BY:	Date/Time	RELINQUISHE			Date/	Time						-							
OMPANY NAME:		COMPANY NA	AME:																
ELINQUISHED BY:	Date/Time	RECEIVED BY	:		Date/	Time													
COMPANY/ 1E:	•	COMPANY NA	AME:		((



CHAIN OF CUSTODY RECORD Page 1 of 3 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 COC NO.: REQUESTED PARAMETERS PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI LABORATORY NAME: SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecman SVOC 8270B (Liquid) Suite C Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) Laura M. Morida PHONE NO: (918) 251-2858 LAURA W. MORRISON Explosives ₽ OBSERVATIONS, COMMENTS. Date Collected | Time Collected Matrix SPECIAL INSTRUCTIONS L125d- (055/p)-0369-SD 30 VUL 96 1550 SOIL 3 L1250-05A(p) -0368-SD 16ZB SOIL 3 LLASJ- 057/p)-0296-51> 1550 SoiL 3 MY-7-30 46 1615 SOIL 1640 501L LISS-041(b)-0048-SO 1530 SOIL 1510 BOIL 1445 8012 1553 GOIL 30 JUL96 1630 BOIL 3 LL/ws-069-041-GW 30 NUL94 1015 WATER Cyanude rollected 7-31-94/0900 L1260-0316)-0342-5D 3INUL96 0845 SOIL 1145-030 - 0261-SO 3120296 0845 SOIL RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 2.6. 2.6 Cooler ID: COMPANY NAME: M. Mc Comber FEDEX NUMBER: COMPANY NAME: 09:10 RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



Science Applications International Corporation													_	_					COC NO.: ZJJ
800 Oak Ridge Turnpike, Oak Ridge, TN 37	831 (423) 481-4600		CH	IAIN O	FC		ST	OD,	YF	REC	:01	RD		D_a	ae	2	6F	3	DO CONT
														MET					LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plan	it (RVAAP) Pha	se 1 Ri		4			(Solid)							(Đ				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010					1	ì	1	Š					8	8	(Solid)				LABORATORY ADDRESS:
PROCEOT ITOMOREM. GOTO						<u> </u>	9	1 2		_	(P		(Soli	(Solid)	Size				1700 West Albany
PROJECT MANAGER: Steve Sel	ecm an				908)		(Solid/Liquid)	SVOC, Pest/PCB, Explosiv	SVOC 82708 (Liquid)	Pest/PCB 8081 (Liquid)	Metals (23) (Solid\Liquid)	Liquid)	Cyanide	Cyanide	Grain			Viete.	Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nam				78	§ §		Ş	108 (1	8081) (So	9013 (31, Cy	5	(T0C,			100	PHONE NO: (918) 251-2858
Lawa M Mon	da l	AURA II.	Morris	col	Explosives	1,	8260A	Pag.	3 827	PCB	ls (27	ide 9	ls (23),	Is (11),	ech (90	
Sample ID		Date Collected	Time Collected	Matrix	- ž	Metals (11)	000	SV SV	SV0(Pest/	Meta	Cyanide	Metals	Metals	Geot			2	
LLA4-043/6)-0	1277-80	31 Jul96	1005	301														1	
LL444-045 - 02	• •		B855	SOIL	Τ		١						1					خ	
LL444-010-02			Q94¢	BOIL														2	
WBG = - 039 - 0	196 - 80		1115	801L	Ti								·					2	•
WBG040-0	197-90 wit	1/sikla	1142	SOIL	lì		300											12	2
WBG55-040-04	98-80 FD		1142	SOIL	Ш													2	2
WBG4-041-049	9 - 50		1205	B014	\perp_1	1												2	
WBG- 001-045	L- S0		1242	SOIL	Ц		_											2	
WBG54-002-04	57- SO		1220	SOIL	1													2	
WBG 45 - 0003 - 04	58-BO		1150	SOIL	Ш													2	
LL188-028-00	131-50		0945	SOIL			١						1					ځ	3
11/45-029-00	13z - 30		4925	SOIL	\perp_{1}	1											0000	2	
11/55-029-00	33-FD		Q925	SOIL	1												9000 0000 0000	2	4
RELINQUISHED BY:	Date/Time	RECEIVED BY:	_		e/Ti			FOTA	LN	JMB	ER	OF (CON	IAI	NER	S:			Cooler Temperature: 2°C,2°C
			ean-	= 8/	4	190	,	Coole	r ID:										FEDEX NUMBER:
COMPANY NAME:		M. M.C		- 1	91														
RECEIVED BY:	Date/Time	RELINQUISHE			e/Ti		+												
THE CEIVED BY.	Date/Table	TIELINGOISHE	, , , , , , , , , , , , , , , , , , , ,																
COMPANY NAME:	1	COMPANY NA	ME:																
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Dat	e/Ti	me													,
COMPANY NAME:		COMPANY NA	ME:		í														4



COC NO.: & COLL CONT. 800 Oek Ridge Turnpike, Oek Ridge, TN 37831 (423) 481-4600 **CHAIN OF CUSTODY RECORD** 30F3 REQUESTED PARAMETERS PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI LABORATORY NAME: SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecman Suite C Broken Arrow, OK 74012 Ų Sampler (Signature) Laura M. Mondan LAURA W. Workison TEND PHONE NO: (918) 251-2858 OBSERVATIONS, COMMENTS. Sample ID Date Collected | Time Collected Matrix SPECIAL INSTRUCTIONS LL149-016-0017-30 3) JUL96 SOIL 1115 LL145-016-0018-50 1115 SOIL LL144-015-0016-00 1145 SOL LL155-011-0012-50 1205 501L LL147-030-0034-50 load JUL LL169-014-0015-50 3170296 1133 SOIL COOLANT BLANKS CANA MA 7, 3.9() NA NA TEMPERATURE BLANKS LAST ENTRY RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: awa MMordon 31 Jul 94 Cooler Temperature: M. Mileal 8/1/96 Cooler ID: BIL, BIG FEDEX NUMBER: COMPANY NAME: COMPANY NAME: Ta OB M. Mc Comper 0910 0944266820 8A10 RECEIVED BY: RELINQUISHED BY: Date/Time Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



Science Applications International Corporation													. —	_		,			COC NO.:
800 Oak Ridge Turnpike, Oak Ridge, TN 378	131 (423) 481-4600		CH	IAIN O	FC	יטנ	STO	OD'	YF	REC	0:	RD	\mathcal{I}	204	e	<u> 1 o</u>	6	<u>5</u>	007
THE STATE OF THE S	A	(D) (8 8 D) DI			L							PA							LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plan	it (KVAAP) Pha	se 1 KI		-			(Solid)							(Solid)				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010					1			88 (5					ਙ	ŝ	S)				LABORATORY ADDRESS:
					1		Î	osiv			ĝ		ŝ	(Solid)	Size)		ļ		1700 West Albany
PROJECT MANAGER: Steve Sele	ecman				108	9	id/Lig	Exp	(Liquid)	(Liquid)	Mul	(pinid)	Cyanide	Cyanide	Grain			Vials:	Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nam	*			833(log)	A (So	SVOC, Pest/PCB, Expl	70B (∪	1808	Metals (23) (Solid\Liquid)	9013 (Liquid)	Š.	, Cy				ttles/	PHONE NO: (918) 251-2858
Lawa M Moro	In L	AURA NI	Uorrisa	J	sives	ds (1)	VOC 8260A	C, Pes	SVOC 8270B	Pest/PCB 8081	ls (23	ide 9	ls (23),	ls (11),	Geatech (TOC,		ļ	of Bot	
Sample ID	 	Date Collected	Time Collected	Matrix	Explosive	Mets	8	svo	svo	Pest	Meta	Cyanide	Metals	Metals	Geot			No.	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
WBH 45 0009-040	A-80	5AU494	1145	9012	ı	1												2	
WBG45. OID- DAL			1125	3016	7													2	
WBG55.011.046			1115	SOIL	,													2	
WBEHG- 012-04			1020	SOIL	1													2	
WB455-013-04			1000	001L	,													2	
WBG55-015-04			0925	SOIL	h													2	
LNWHY-001-0343-			1143	BOIL				N.					1					3	
TNW1-0311	-30	-/	1216	BOIL	Þ		1						1		\preceq	-		3	- Lmm 8.6.96
DNOT-001-0395	-60		1218	BOLL			1						1		\preceq			3	_ Lour 8.6.96
WBG55-020-0477.	<u>-So</u>		1335	SOIL	1	Ш												2	
WBG4-021-0478	- <i>S</i> o		1355	SOIL	┖		1	1					1					3	
WBG+5-022-0479	- 6o	**	1430	BOIL	1													2	
WBG+4- 023-0480)- 30	5AU696	1500	SOIL	1													2.	
RELINQUISHED BY:	Date/Time	RECEIVED BY		Dat				ОТА	L N	UME	3ER	OF (CON	TAII	NER:	S:			Cooler Temperature: 4'C, 4'C, 3'C, 4'
			lead_	_ 8/	7	96	c	Coole	r ID:										FEDEX NUMBER:
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COC NO. CHAIN OF CUSTODY RECORD py 20 = 5 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 REQUESTED PARAMETERS PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI LABORATORY NAME: SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 Size} LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecman Suite C Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) Lawam Wordin PHONE NO: (918) 251-2858 LACREL M. MORRISONI ₽ OBSERVATIONS, COMMENTS, Sample ID Date Collected | Time Collected Matrix SPECIAL INSTRUCTIONS WBGGG 024-0481-50 5 Aug 96. 15 ZO SOIL WB65-025-048Z-00 SOIL 1550 LNWH- 002-0396-80 15ZB 601L LNWH-002-0397-30 1590 9016 DAZSO-001-0574-80 1305 SOIL DA 250 - 001 - 0575 - 80 1320 9016 DA250-002-0576-50 1345 8012 DAZ50-002-0571-50 1358 COIL DA-250 - 003 - 0578 - SO 1434 SOIL DAZ50-003-0579-50 1450 SOL 2 DA250 - 004 - 0580 - 30 1528 SOIL DAZSO-004-0581-SO 154d SOIL DA250-006-0586-30 5AU696 1612 SOIL RELINQUISHED BY: RECEIVED BY: Date/Time Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 4°C, 4°C, 3°C, 3°C, 4°C Cooler ID: COMPANY NAME: FEDEX NUMBER: COMPANY NAME: SW Lab of OK 09115 See 79.5 RECEIVED BY: Date/Time Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:

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Science Applications International Corporation																				_	COC NO TOTAL
800 Oak Ridge Turnpike, Oak Ridge, TN 376	831 (423) 481-4600		CH	IAI	N OF	C	US	T	OD.	Y F	REC	:01	RD	7	Za,	2	30	: م	<u>5</u>		COC NO.: Ø2 6
										REC	UES	TE	PA	RAN	MET	ERS					LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plar	it (RVAAP) Pha	se 1 RI					Γ	7									T		╗	SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sele	ecman					(Solid/Liquid)	F	(Solid\Liquid)	Explosives (Solid)	quid)	(Liquid)	(VLiquid)	iquid)	Cyanide (Solid)	Cyanide (Solid)	Grain Size) (Solid)				/ials:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nam					뛶	S	S	8	Ě	81 (\$o≹	3 (1)	ċ	Ç					2	DIOREITATION, OR 74012
Jawa M. Moru			local son	,		sives 8	ls (11)	8260A	SVOC, Pest/PCB, Explo	SVOC 8270B (Liquid)	Pest/PCB 8081	Metals (23) (Solid!Liquid	Cyanide 9013 (Liquid)	Metals (23),	11,	Geotech (TOC,				8	PHONE NO: (918) 251-2858
Sample ID			Time Collected		atrix	쭚	Meta	8	SVOC	SVO	Pest/	Metal	Cyani	Meta	Metals	Geote				No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
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CHAIN OF CUSTODY RECORD Page 4 OF 5 COC NO. TONT 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 REQUESTED PARAME LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 Ri SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany Suite C PROJECT MANAGER: Steve Selecman Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) Raura M Morroln LAVER W. Morreison PHONE NO: (918) 251-2858 70 OBSERVATIONS, COMMENTS. Date Collected | Time Collected Metrix SPECIAL INSTRUCTIONS 1. AUG96 0925 DAZ=0-008-0591-FD SOIL DA 250- 008-0593-80 0938 SOIL DA250 - 017-0611. 50 1016 SOIL DAZ50- 017-0612-50 1055 SOIL DA250 - 018-0613-00 1116 SOIL DAZSO-018-0614-50 1133 SOIL 3 WBG56-016-0471-80 **0430** SOIL WB6164-017-0472-30 1915 5016 2 WB444 018-0473-SO 0845 SOIL WBG55-019-0474-80 0810 901L WBG44-019-0475-FA 0810 SOIL 2 WBG+- 026-0483-50 1020 2 SOIL WBG45-027-0484-30 6AU496 0952 SOIL 2 RELINQUISHED BY: RECEIVED BY: Date/Time Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 4'C, 4'C, 3'C, 4' Cooler ID: FEDEX NUMBER: COMPANY NAME: COMPANY NAME: Ser A95 SW Lab of OK 09:15 RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



CHAIN OF CUSTODY RECORD Page 5 0= 5 COC NO : 1007 CO. 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 REQUESTED PARAMETER LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. LABORATORY ADDRESS: PROJECT NUMBER: 0010 1700 West Albany Suite C PROJECT MANAGER: Steve Selecman Broken Arrow, OK 74012 Ø Sampler (Signature) (Printed Name) PHONE NO: (918) 251-2858 David Morida LAURA W. Worrison OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS Sample ID Date Collected | Time Collected Matrix 6 AU696 5014 WB444- 038-0495-SD 1Z05 WBG++ 031- 6494- 30 1225° 501L 1300 SOIL WBG-55- 036- 0493-50 1405 SOIL WBG55-035-0492-80 14Z5 WBG-5- 034-0191-50 5014 WB655-033-0490-50 1508 SOIL LNW4-005-0408- 30 1325 BOIL 6 AUG96 LNWH-005-0409-30 1335 SOIL TEXUP BLANKS COOLANT BLANKS LAST ENTEN TOTAL NUMBER OF CONTAINERS: Cooler Temperature 4°C,4°C,3°C RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time BAUG 94 Cooler ID: B13, B06, B21, B32 **FEDEX NUMBER:** COMPANY NAME: COMPANY NAME: 0944266783 1830 1915 SWLeb of OK SAIC Date/Time RELINQUISHED BY RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-460	<u> </u>	Cl	HAIN OF	F C	US	TO	DY	/ RE	CC	RÉ)F	26	·Ε	1	٥F	. 2	COC NO. TOO
PROJECT NAME: Ravenna Army Ammunition Pla	nt (RV/AAP) Phe	.aa 1 DI			T -	, ,	F	REQU	ESTE	D P	ARA	MET	ERS	S			LABORATORY NAME:
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PROJECT NUMBER: 0010				grid)			/es (S				2	<u>ĝ</u>					LABORATORY ADDRESS:
·			 -	ㅓ 漢		(ping	yesiy		ğ ğ	<u>.</u>	l (So	e (Solid)	n Size			١.,	1700 West Albany
PROJECT MANAGER: Steve Selecman		 		Š.	1	톓	B, Exp	Diapi	(Solid/Liquid)	(Liquid)	Cyanide	Cyanide	Grain			Vials	Suite C Broken Arrow, OK 74012
Sampler (Signature) (Printed Nan	-	•] 🖁	= S	A (S	t/PC	90 g	80 8		ς, C ₃	. C	TOC,			tles/	PHONE NO: (918) 251-2858
Laura M Mordan	LAURA W	Morriso	N	Explosives	Metals (11)	8260	SVOC, Pest/PCB, Explo	C 8270B	Metals (23) (Sol	ide 9	is (23),	ils (11),	ech (1			of Bott	
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DA 250 - 020 - 0618-50		1518	SOIL													2	-
DA250- 027-0633-50		1600	5014										-			2	
DA250-027-063A-60	6 AUG96		501L			١	1				ı					3	
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RECEIVED BY: Date/Time	RELINQUISHED) BY:	Date	/ Lim	1 e												•
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Science Applications International Corporation					_		_						_	_					COC NO.: 230
800 Oak Ridge Turnpike, Oak Ridge, TN 37	831 (423) 481-4600	<u> </u>	CI	HAIN O	F	CUS	ST	<u>OD</u>	Y	REC	0	RD		$\supset_{\mathcal{Q}}$	ge	2	. Of	= 3	TOO CONT.
PRO IFOT MARKE, D	A	-4 (D) (A A D) Di-	4.61		L			_,	REC	UES	STE) PA	RA	MET	ERS				LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Pla	nt (KVAAP) Pha	se 1 Ki		4			(Solid)	İ						Ŷ				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010					5			8					 =	ਜ਼	(Solid)			-	LABORATORY ADDRESS:
PROCEST HOMBEN. GOTO					- {		į) sign		_	<u>ē</u>		(Solid)	(Solid)	Size)				1700 West Albany
PROJECT MANAGER: Steve Sel	ecman				2330 (67:103)	<u>\$</u>	VOC 8260A (Solichtimin	SVOC, Pest/PCB, Explosives	louid.	Pest/PCB 8081 (Uquid	Metals (23) (solid/Liquid)	(Liquid)	Cyanide	Cyanide	Grain				Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nan					3 3	\$ 4 (S C	80	8081	(\$0	9013			, 0				PHONE NO: (918) 251-2858
Laura M Moru	don	LAURA IL	Moeris	hod	- Total	Metals (11)	8260	C, Pes	SVOC 8270B (Liquid)	/PCB	18 (2	e abi	Metals (23),	Metals (11),	Geotech (TOC,				
Sample ID		Date Collected	Time Collected	Metrix	1	Ž Z	00	svo	svo	Pest	Metz	Cyanide	Met	Meta	Geot				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
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WB64-012-050	YB- OO		1010	S01L	1													z	
WB6345 - 043-050	1- 30		1035	SOIL	,	1												1	2
WBG 55- 044-050			1055	SOIL	1													,	2
WB64-045-050			1115	SOIL	1													1	2
DAZ=0-023-06Z=			1145	SOIL	1													12	2_
DAZSO-023-062	1 - So	L /	1155	SOIL	1													7	2
DAZ=0-024-062	5-50		11zd	Soil	1				_									7	
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DAZSO-025-062	7-50		1005	SOIL	1													2	
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COMPANY NAME:		COMPANY NA	7	D 4	-						5	fe	7F	×g.		3			Se pg. 3
		SW hab			e/T	-							····						
RECEIVED BY:	Date/Time	RELINQUISHE	D'BY:	Dat	e/ I	ime	Ī												
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COC NO.: 78-57 OOB CONT. CHAIN OF CUSTODY RECORD Page 3 0 = 3 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 |423| 481-4600 LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 Wetals (11), Cyanide (Solid) LABORATORY ADDRESS: 1700 West Albany BLANK Suite C PROJECT MANAGER: Steve Selecman Broken Arrow, OK 74012 SVOC 8270B (LIQ Sampler (Signature) (Printed Name) aura M Mordan LAURA W. Morrison PHONE NO: (918) 251-2858 TENP OBSERVATIONS, COMMENTS. Date Collected | Time Collected Matrix SPECIAL INSTRUCTIONS DAZSO - 026-0631-30 7 AU 696 0812 5014 DAZSO - 026-6632-50 0825 501L DAZSO- 028-0635-50 0925 3014 DA250-028-0636-50 0940 SOIL 7AU446 DAZ=0- 028-0637- FD 0940 SOIL MOULANT BLANKS NA NA NA TEMPERATURE BLANK LAST ONTRY -RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time **TOTAL NUMBER OF CONTAINERS:** Cooler Temperature: 3'C, 5 °C Morada YAUGAL COMPANY NAME: 8/8/96 Cooler ID: FEDEX NUMBER: COMPANY NAME: B31,532 1400 SW Lab of OK 0944266536 SAIC RECEIVED BY: Date/Time Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



COC NO.: #332 CHAIN OF CUSTODY RECORD Page 1 OF A 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 REQUESTED PARAMETERS LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany Suite C PROJECT MANAGER: Steve Selecman Broken Arrow, OK 74012 Sampler (Signature) PHONE NO: (918) 251-2858 Laura M. Mondan Lavez U. Moerison ō OBSERVATIONS, COMMENTS, Date Collected Time Collected
TERUS 96 1050 Sample ID SPECIAL INSTRUCTIONS Matrix DAZSO-029-0638-50 601L DAZ50-029-0639-50 በወል SOIL DA 250 - 030-0640-SD DABB SOIL DAZ60-030-0641- FD *0*900 SOIL DA 750 - 030 - 00A2 - 50 MAID SOIL WBG = - 046-0504-50 1300 SOIL WBGS-047-0505-50 1330 SOIL WB44-048-0506-00 1355 DOIL WBGG- 049-0507-50 1430 SOIL WB455 - 050-0508-60 1500 SOIL WBG45 - 052-0512-50 1575 BOIL WB6x=- 057-057- 30 1457 SOIL 7 AU696 1525 2 WB6955 - 058 - 0520 - SO SOIL RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time **TOTAL NUMBER OF CONTAINERS:** Cooler Temperature: Cooler ID: FEDEX NUMBER: COMPANY NAME: CÓMPANY NAME: Se 79.4 0915 SULO RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



CHAIN OF CUSTODY RECORD Face 2 a= A

REQUESTED PARAMETERS COC NO.: 22 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecman Suite C Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) Laura M Mardan LAVRA W. MORRISON PHONE NO: (918) 251-2858 ŏ OBSERVATIONS, COMMENTS. Sample ID Date Collected Time Collected Matrix SPECIAL INSTRUCTIONS WB65-063-0525-60 7 AU496 1603 SOIL WB6165-064-0526-50 16ZB SOIL LNWS0-01(1)-0128-50 1305 BOIL LNUED - 012/1) - 0429-5> 1400 SOIL LNWSO-013(d)-0430-50 1525 COIL DAZSO-016-0609-00 1620 SOIL DAZ=0-016-0610-80 1630 5016 DA250 - 021 - 0619 - 30 1415 SOL DA250-021-0620-50 1418 SOIL DA250-022-0621-50 1430 JO14 DA250- 022-0622-60 1440 501L 2 DA250-012-0601-80 1540 SOIL 2 DA250-012-0602-50 7 AUG96 1 1550 SOIL 2 RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 8/9/96 Cooler ID: FEDEX NUMBER: COMPANY NAME: COMPANY NAME: 0915 See pg.4 80 pg 4 Suko RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:

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Science Amplications International Corporation 800 Oak Ridge Turnpike, Oak Ridge, TN 37:	831 (423) 481-4600	•	CH	IAIN	OF	Cl	JS.	TO	DY	RI	ECC)R	D	+	\supset_{ℓ}	w	ی ت	301	= 4	4	COC NO.:
											JEST										LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plan	nt (RVAAP) Pha	se 1 Ri			İ	İ		Solid!							(Solid)					SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010						d/Liquid)		(pir	osives (S		_	g		(Solid)	(Solid)	Size)					LABORATORY ADDRESS: 1700 West Albany
PROJECT MANAGER: Steve Sel	ecman			···		30 (Sol	olid)	(Solid\Liq	B,Expl	(Liquid)	(Clquid)	olid/Liqu	(Liquid)	Cyanida	Cyanida	Grain				/ Vials:	Suite C Broken Arrow, OK 74012
Sampler (Signature) Lawa M Mon	(Printed Nam		Morrison	.1		Ves 83:	(11)	8260A (SVOC, Pest/PCB, Exp	3270B	808	(23) (\$	<u>g</u>	(23)	(11), C	h (T0C,				Bottles	PHONE NO: (918) 251-2858
Sample ID		T .	Time Collected	Mat	trix	Explosiv	Metals	Voc 8;	SVOC,	SVOC 8270B (Liquid)	Pest/PCB 8081	Metals (23) (Solid/Liquid	Cyanide 9013 (Liquid)	Metals	Metals	Geotech				No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
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COC NO. CONT CHAIN OF CUSTODY RECORD Page 4 or A 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI LABORATORY NAME: SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 Size LABORATORY ADDRESS: 1700 West Albany BLA (23), Cyanide Seotech (TOC, Grain PROJECT MANAGER: Steve Selecman Suite C Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) PHONE NO: (918) 251-2858 Laura M Moridon LAURA W. WORRISON OBSERVATIONS, COMMENTS, Date Collected | Time Collected Matrix SPECIAL INSTRUCTIONS LLZ= 026-0117-50 8 AUG96 0855 SOIL LL 255-025-0116-90 B330 SOIL 3 LLZ+>- OZA-0115-60 1035 6014 LLZ55-023-0113-30 1 1020 JOIL DAZSd-0311D-0634-SD 0955 SOIL DAZ=J-032(d)-0644-SD d9 all SOIL 3 DAZSO - 032(d) - 0645- FD (1)9(1)A SOIL DAZ = 033(1) - 067-50 DAZ = 013-0603 - 30 0825 SOIL 3 1035 SOIL DAZ 50 - 013 - 0604-80 1045 SOIL DAZSO- OH- 0605-SO 1110 SOIL 2 DAZSO-014-0606-30 8 AUG96 1125 SOIL 2 COOLANT BLANK NA NA NA TEMPERATURE BLANK RELINQUISHED BY: Date/Time RECEIVED BY: TOTAL NUMBER OF CONTAINERS: Date/Time M. Monder Cooler Temperature: 500 8/9/96 8AU696 Cooler ID: BOI, BIZ, CO5. FEDEX NUMBER: COMPANY NAME: COMPANY NAME 1630 0915 AOZ BAIC. 0944266746 Suco RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



Science Applications International Corporation														_					COC NO.: #356
800 Oak Ridge Turnpike, Oak Ridge, TN 378	131 (423) 481-4600	· · · · · · · · · · · · · · · · · · ·	СН	AIN O	= C	:U	ST	OD'	YF	REC	01	RD		<u> 200</u>	ke.	\bot	مرن	<u>3</u>	
and Ifot MANE D	A	A /DV/A A DV DL								UES					,				LABORATORY NAME:
PROJECT NAME: Ravenna Army	Ammunition Plan	it (KVAAP) Pha	Be 1 KI		-			(Solid)							(Solid)				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010					iquid)		_						(pilo)	(Solid)	Size) (So				LABORATORY ADDRESS:
PROJECT MANAGER: Steve Sele	ecman				(Solidy		Solid/Licuid	SVOC, Pest/PCB, Explosiv	P E	(Liquid)	Metals (23) (Solid\Liquid)	(Liquid)	Cyanide (s	Cyanide (S	Grain S	1		Vials:	1700 West Albany Suite C Broken Arrow, OK 74012
Sampler (Signature)	(Printed Nam	ie)			33	Soli	100	S.	S S		(Sollic	9013 (L)	Cys	Cya	(TOC, 0			/se	
Laura M Mara	In	Laurak	1. Moeri	sau	Explosives	11.0	8260A	C, Pest	SVOC 8270B (Liquid)	Pest/PCB 8081	ls (23)	06 ebi	ls (23),	ls (11),	ech (T			of Bott	PHONE NO: (918) 251-2858
Sample ID		Date Collected	Time Collected	Matrix	N S	Metais) 9	svo	300	Pest/	Meta	Cyanide	Metals	Metals	Geotech			N N	DESERVATIONS, COMMENTS,
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COC NO .: A TOTAL CONT. CHAIN OF CUSTODY RECORD PAGE 2 0=3 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 LABORATORY NAME: PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecman Suite C Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) awa M Morden PHONE NO: (918) 251-2858 LAURA M. MORRISON 7 OBSERVATIONS, COMMENTS. Sample ID Date Collected | Time Collected Matrix SPECIAL INSTRUCTIONS LL255-031-0123-00 9 AUG96 0845 SOIL 3 LLZ= - 032-0124-50 1025 SOIL 2 LL255 - 033-0125-50 6905 60/L LL255-031-0126-80 0930 SOIL LL Zss- 034 - 0127-80 0931 SOIL 2 LL 255 - 035-0128-50 DA 55 SOIL LLZSS-036-0129-90 1005 SOIL LL255-037-0130-30 11105 3011 2 WB645-070-0531-SO 1020 SOIL 2 WBG45-071-0535-SO 1035 301 L LL 15d - 048(d) 4055-50 1430 SOIL 3 WBG-55-072-0536-60 1345 BOIL 3 WB655-073-0537-SO 9AV696 1400 SOIL RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 18/10/96 Cooler ID: FEDEX NUMBER: COMPANY NAME: COMPANY NAME: 0830 Supg. 3 Sepa 3 Suxo

RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time

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COC NO.: 7 CHAIN OF CUSTODY RECORD Days 30=3 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600 REQUESTED PARAMETERS LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: BLANK 1700 West Albany Suite C PROJECT MANAGER: Steve Selecman Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) PHONE NO: (918) 251-2858 dral Laura M. Moruson Laves W. Morrison OBSERVATIONS, COMMENTS, Date Collected | Time Collected Matrix SPECIAL INSTRUCTIONS 9 Auggle WBG4-074-0538-80 14Z0 3014 WBG55-075-0539-SO 1435 SOIL WBG == - 075-0546- FD 1435 SOIL WBG55-076-0541-80 H55 SOIL LL 255-028-0119.50 1420 SOIL 1245-028-0120-FD 1420 SOIL 1445 1255 - 029 - 0121 - 60 SOIL 9 AV696 1555 SOIL NA Z TEMPORATURE BLANK COOLINT BLANK NA LAST ENTEN RELINQUISHED BY: Date/Time RECEIN ED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 200 9 AUG 96 Cooler ID: FEDEX NUMBER: COMPANY NAME: COMPANY NAME: BOZ, BOY 0830 1800 0941266551 SAIC SUKO RECEIVED BY: Date/Time Date/Time RELINQUISHED BY: COMPANY NAME: COMPANY NAME: RELINQUISHED BY: RECEIVED BY: Date/Time Date/Time COMPANY NAME: COMPANY NAME:



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		 			T								ARAI	,	71		0/-	4	LABORATORY NAME:
PROJECT NAME: Revenue Army	Ammunition Plan	nt (RVAAP) Pha	se 1 Ri		╧	ľ	Т	₹	Τ	Τ	П		Γ		_			\top	SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Sel	lacman					(District Control	M ioniet)	xplosives (508	(per	(david)	Liquid	(g	Cyanide (Solid)	ide (Solid)	Grain Size) (Solid			Je i	LABORATORY ADDRESS: 1700 West Albany Suite C
Sampler (Signature)	(Printed Nam				<u>ج</u> ا			. B.	12	<u>#</u>	Solid	2	Cyan	Cyanide	ğ				Broken Arrow, OK 74012
Laura M. Mor			Morri so	J	Frologives R	Metals (11) (Solid)	VOC 8260A (South)	SVOC, Pest/PCB, Exp	SVOC 8270B (Liquid)	Pest/PCB 8081 (Liquid	Metals (23) (Solid(Liquid	ide 9013	Ĕ,	(11),	ech (TOC,			of Botries	PHONE NO: (918) 251 2858
Sample ID		Date Coffected	Time Collected	Matrix	Į,	2	8	SVO	SVO	Pest	Met	Cyanide	Meta	Metals	Geot			No.	
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CHAIN OF CUSTODY RECORD Dag 2006 REQUESTED PARAMETERS LABORATORY NAME: PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. LABORATORY ADDRESS: PROJECT NUMBER: 0010 1700 West Albany Suite C Broken Arrow, OK 74012 PROJECT MANAGER: Steve Selecman (Printed Name) Sampler (Signature) PHONE NO: (918) 251 2858 LAVAN MERRISON aura ni moudin 5 OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS **Date Collected** Time Collected Metrix SaL 18 Aug 96 1455 [1255-019.0109-FD LLZ55-038-0131-50 1116 SUL 11255-439 -4132 -SO SOIL 1352 MEST LL 255-041(6)-0 135-50 Son LL 245 - 043 - 0137 -50 1025 SOIL 14 Aug 96 0832 LLZ Sd - 434(d)- 6122 -SD SUIL 11 Aug 96 LL150 - 058(p)-0068-5D 9940 SOIL 6910 حا ایک LLI 3d-459(4) - 6069 - SD 1034 SUIL LLISU- (KG)-6470 -50 1115 SOIL LLISU - OWI(P) - OUP71-SD 1135 SUIL LLI Sd - 067(P)- 0672 - SD 4855 SOIL LL2 55 - 001 - 0687 - 50 0855 SOIL LLZSS-001-0088-FD MAUSTO Cooler Temperature: RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: RELINQUISHED BY: Date/Time FEDEX NUMBER: Cooler ID: COMPANY NAME: Date/Time Date/Time RELINQUISHED BY: RECEIVED BY: COMPANY NAME: COMPANY NAME: 1030 SWW Date/Time RECEIVED BY: RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY ME:

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PROJECT NAME: Ravenna Arm	y Ammunition Pla	ent (RVAAP) Ph				- ₁ -	<u> </u>	R	EQU	EST	ED P	ARA	MET	ERS				LABORATORY NAME:
PROJECT NUMBER: 0010					- - -			(Bolkd)				 -		(Solid)				SW Lab of Oklahoma, Inc.
PROJECT MANAGER: Steve Se	slecman				O (Solidition	Î	(fd/Liquid)	,Explosive			outgated)	Cyanide (Solid	Cyanide (Solid)	Grain Size)			Tale:	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Semplor (Signature) Laura M. Morus	Printed Name (A)	110) 124 U.U	loppison	/	alvee 833	* (11) (Box	VOC 8260A (Solida	Pest/PCB, Exp	SVOC 82708 (Liquid	Metale (23) (e.m.)	Cyanide 9013 (Liquid)	(23),	Ξ,	(TOC,			Bottles/ V	
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Science Applications International Corporation 800 Oak Ridge Turnplite, Oak Ridge, TN 37:	831 (423) 481-4600	,	CH	IAIN O	F (CUS	ST	OD'	ΥF	REC	0	RD	_1	\supset	2 A 2	,]	λ£.	ر,		COC NO .: DII COUT.
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PROJECT NAME: Revenue Army	Ammunition Plan	nt (RVAAP) Pha	ee 1 Ri		╬		Τ	1									Τ	Ī		SW Lab of Oklahoma, Inc.
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Sempler (Signature)	(Printed Nan	ne)			│ {	3 3			8	8	3	113 (٦, دې), Cy	(TOC,				ties/	PHONE NO: (918) 251-2858
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PROJECT NAME: Ravenna Arm	ny Ammunition P	lant (RVAAP) Ph	lace 1 Ri		<u> </u>	_	, ,	R	EQU	EST	ED P	ARA						LABORATORY NAME:
PROJECT NUMBER: 0010								3									T	SW Lab of Oklahoma, Inc.
PROJECT MANAGER: Steve S	ielecman			· <u> </u>	Follow		Liquedo	plostves	* 5	1	9	le (Bolld)	(Bolld)					LABORATORY ADDRESS: 1700 West Albany
Sempler (Signature)	(Printed N	ame)			ğ	3	3	퓕		3	3	Cyamida	Cyanida	Q.				ii Suite C Broken Arrow, OK 74012
Laura Monic	ruln	LAURA N	Morres	aN	stves &	t (11) ¢	8280A	Pest/P	62706 C8 806	(52)	Je 9013	ele (23), C	(11), 0	¥ (TOC			Post las	PHONE NO: (918) 251-2858
Sample ID			Time Collected		5	Mote	Š	200		1 3	Cyamk	Metal	Metat	George			١	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
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COMPANY N

200 Oak Ridge Turnpike, Oak Ridge, TN 37231 |423|481-4600

COC NO !: & I CONT. CHAIN OF CUSTODY RECORD PAGE 6006 LABORATORY NAME: REQUESTED PARAMETERS SW Lab of Oklahoma, Inc. PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI LABORATORY ADDRESS: PROJECT NUMBER: 0010 1700 West Albany BIANK Suite C Broken Arrow, OK 74012 PROJECT MANAGER: Steve Selecmen Sempler (Signature) PHONE NO: (918) 251-2858 O MARIE Laura M Marida (sex W Marrison) OBSERVATIONS, COMMENTS. SPECIAL INSTRUCTIONS Metrix 0845 12A0696 LLZ-n - 055/01-0151-FD COIL 0.930 SOIL 1.93d SUIL L/20 - OSL/0) - Ox665-FD 3 LL14) - (15710) - (1067- 6D 149B BOIL 12/en 1171 - 0558-50 3014 EOIL. 10:20 SUIL 1100 3 4 MS/MSD YOLVHE 1204 11 MW - CG3 - CO73-GW WATER 12AU696 1200 WATEY 141mn - 002 - 0080 - TB NA TENFACATURE BLANK NA MOLANT BLANKS LAT ENTEY -Cooler Temperature: 5°C TOTAL NUMBER OF CONTAINERS: Date/Time RECEIVED BY: Date/Time RELINQUISHED BY: Microson 12 AUG46 Cooler ID: COLP, B2B, B24, 354 **FEDEX NUMBER:** COMPANY NAME: COMPANY NAME: C94426658A **B17** 1634 BAIC-Date/Time Date/Time RELINQUISHED BY: RECEIVED BY: COMPANY NAME: COMPANY NAME: 1030 Swice Date/Time **RECEIVED BY:** Date/Time RELINQUISHED BY:

COMPANY NAME:



800 Oak Ridge Turnplite, Oak Ridge, TN 3	17831 (423) 481-460	10	CI	IAIN O	F	CU	ST	OD	Y I	REC	CO	RC	P	ት ሬ	.=	1	0F	7	,	COC NO.: Ø12
PROJECT NAME: Ravenna Arm	y Ammunition Pla	nt (RVAAP) Phe			L			_		QUE							<u> </u>			LABORATORY NAME:
PROJECT NUMBER: 0010					- §			(Ballet)						_	(Solid)					SW Lab of Oklahoma, Inc.
PROJECT MANAGER: Steve Se	elecman				(Solichus)	8	(Aloned)	Explosive	9	Liquid	NJquid)	greich)	nide (Sof	Cyanide (Solid)	Grain Size				اي	LABORATORY ADDRESS: 1700 West Albany Suite C
Sampler (Signature) Laura M. Moru	(Printed Ner		Moreis	oN	Ass 833	Metale (11) (Solid)	8250A (So	SVOC, Pest/PCB, Exp	SVOC 82708 (Uq	Paet/PCB 8081 (Liquid)	Metals (23) (Solid)Jquid)	Cyanide 9013 (Liquid)	Metals (23), Cyanide	(11), Cya	Geotech (TOC, G				ĕ ⊢	Broken Arrow, OK 74012 PHONE NO: (918) 251-2858
Sample ID			Time Collected	Matrix		le te	8 00 N	SVOC,	200	eet/F	Metale	Yeark	Aetais	Metals	eated				9. 0.	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
LLA 55-062-0	0595-80	12A0696	1335	SOIL	l ī	Ñ			Ť				-	~	0			XI T	_	SPECIAL INSTRUCTIONS
LLASS-063-0			1435	SOIL	Ť		l						7					- N	2 3	
LL265-044-013			1435	SOIL	ì													2	_	
LL255-022-01			1345	SOIL	1														2	
LL 250 - 052(p)-0			1435	GOIL			1						1		١			4	~-	
LL250-053(p)-0		\	1455	SOIL									_		i			1	4	
LL25d-054(p)-		12 A06A6	1550	SOIL	-										,			3	_	
LL 156-074-0	-	13A UGGL	0915	301L			1						1					3	_	
LLZ=5-015-01			1035	SOIL														z		
LL255-015-01			1035	SOIL	1													2	-1-	
1-255-012-00			1110	SOIL	1						2000000							2	+-	
LL Z+5 - 010-00		#	1135	SOIL	1													2	$\overline{}$	
WBG44 - 053 - 051		13AU646	1000	BOIL	1						999							2	_	
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date	/Tim	10	TO	TAI	. NU	MBE	ER C	OF C	ONT	AIN	ERS	i:		·-	C	ooler Temperature:
COMPANY NAME:	}	COMPANY NA	ME-				Co	oler	ID:										FE	EDEX NUMBER:
			***	1			l					ξU	P9	. 4						Sec 79. Z
RECEIVED BY:	Date/Time 8/14/96	RELINQUISHED	BY:	Date/	Tim	8						<u> </u>		<u> </u>					1_	
COMPANY NAME: SWCO	0930	COMPANY NAM	ME:																	
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date/	Time	•														
COMPANY NAME:	·	COMPANY NAM	1E:	1																
						!	_										·			

F-97



F-98

COMPANY NAME:

COMPANY NAME:

COC NO .: OIZ CONT. CHAIN OF CUSTODY RECORD Page 2052 200 Oak Ridge Turngike, Oak Ridge, TN 37831 (423) 481-4600 REQUESTED PARAMETERS LABORATORY NAME: PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany BLANK Suite C
Broken Arrow, OK 74012 PROJECT MANAGER: Steve Selecman Sempler (Signature) PHONE NO: (918) 251-2858 Sample ID Date Collected Time Collected I TEMP, ĕ **OBSERVATIONS, COMMENTS,** SPECIAL INSTRUCTIONS Matrix LNWSU-023(p)-0670-SD 13AUG96 1050 SOIL 3 SOIL TEMPERATURE BLANK COOLANT BLANK NA NA LAST DNTOVE RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 39 13AUG94 Cooler ID: **FEDEX NUMBER:** COMPANY NAME: COMPANY NAME: **15**300 **B27** 0944266595 RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: 0930 SULU RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time



CHAIN OF CUSTODY RECORD PAGE 10FZ 200 Ook Ridge Turnyilka, Ook Ridge, TN 37831 |423| 481-4800 COC NO.: du3 REQUESTED PARAMETERS PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI LABORATORY NAME: SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecmen Suite C Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) Lauran Mouden LAURAN MORRISON PHONE NO: (918) 251-2858 Date Collected Time Collected OBSERVATIONS, COMMENTS, Metrix SPECIAL INSTRUCTIONS 21250-051(p)-021-3-50 13AUAL 1430 EXIL 1130 SOIL 10842 0517-05-12-80 1425 COIL WBG - 097-0514- 80 1505 SOIL 4B600-000 -01072-60 W825 BOIL 1086- 126- 4613- 80 trid. SOIL WB/ : den- averd- 60 1316 BOIL FLZ - 095-0139-60 1523 BOIL LL 25 - 016 - 0.164-80 1458 COIL L12-2 - (152/p)-0366-50 L12-2 - (153/p)-0367-50 1525 8012 13AUG46 1546 SOIL 422-1-061-0615-60 14 AUG96 0905 SOIL WBG - 098-0565-60 4 AUG96 0915 SOIL RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 4'C,4'C Medal 8/15/96 Cooler ID: COMPANY NAME: FEDEX NUMBER: COMPANY NAME: · Se. 78.2. 10:00 SWLO -sa /2 2. RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:

F-99



ggó Oak Ridgo Turnpillo, Oak Ridgo, TN 37831 14231 481-4600

CHAIN OF CUSTODY RECORD TAGE 2 OF 2 COC NO .: 4173 CONT REQUESTED PARAMETERS LABORATORY NAME: PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0910 LABORATORY ADDRESS: 1700 West Albany あんしん Suite C PRÖJECT MANAGER: Steve Belecman Broken Arrow, OK 74012 Bambler (Signature) (Printed Name) PHONE NO: (918) 251-2858 TOUP LAURA M. WLOVVISON Laure M. Meratin OBSERVATIONS, COMMENTS. Date Collected | Time Collected **SPECIAL INSTRUCTIONS** Matrix WB655-198-0566 FD 14 AUG96 1AIS Soil HAGGO - OLA-04-17-80 2 d4:7 SOIL 1.1/4 - 065-0678-50 0945 SOIL LAS- OLG- \$679 -50 **D840** 501L 1450-05212)-0289-6D 10:20 BCIL 1032 SOIL 1032 SOIL 1050 SOIL HAUGG4 LL42-055/21-1294-SD III do SUIL COCLANT BLANK NA NΑ NA TEXINERATURE BLANC LACT ENTRY Cooler Temperature: 54 4 4 4 C RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time **TOTAL NUMBER OF CONTAINERS:** 2. Mouden Milleton 14 AUG96 8/15/96 Cooler ID: FEDEX NUMBER: COMPANY NAME: COMPANY NAME: BZ91, C02 0941266621 1430 SWLO 10:00 SHIC. RECEIVED BY: Date/Time RELINQUISHED BY: Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



CHAIN OF CUSTODY RECORD TAGE OF COC NO .: OH 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4800 REQUESTED PARAMETERS PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI LABORATORY NAME: SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecman Suite C Broken Arrow, OK 74012 Sampler (Signature) Yawa M-Mordine Bottle PHONE NO: (918) 251-2858 LAURA W. WORRISON TEMP ŧ OBSERVATIONS, COMMENTS Sample ID Time Collected Matrix SPECIAL INSTRUCTIONS LLZMW-059-0667-6W 19 AUG96 1130 WATER CPC=2-006(P)-0655-51 1010 SOIL CPC 50- 007/0)-0656-5A 0AZ5 SOIL CPC 50 - 0007/p)-0657-FD **BAZ5** S012 CPC=1-008/p)-0059-SD 0910 BOIL CPC=1 - 009/0) - 0660-SA 1045 8012 3 CPC=0-010/5)-0661-51 1105 COIL LL2mw-001-0156-TB 19 AUG96 1130 2 WATER TRIP BLANK COOLANT ELANK WA NA TEMPERATURE BLANK LAST ENTRY Date/Time RECEIVED BY:
19 AU 6 96 MM Moul RELINQUISHED BY: Date/Time TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 5°C MERRONGE 8/20/96 Cooler ID: FEDEX NUMBER: COMPANY NAME: 1630 B19 09:40 SW Lab of OKla. SAIR 094426Kdo54 RECEIVED BY: Date/Time Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: **COMPANY NAME:**



CHAIN OF CUSTODY RECORD PAGE 10-2 COC NO.: 015

							REQUESTED PARAMETERS LABORATORY NAME:													LABORATORY NAME:
PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 RI								2				Π		Γ	9		Т		目	SW Leb of Oklahoma, Inc.
PROJECT NUMBER: 0010 PROJECT MANAGER: Steve Selecman						9	olf/Market)	B,Explosives (80	Liquid)	(Liquid)	#officiald)	(Nquid)	Cyanida (Solid)	Cyanide (Solid)	Grain Size) (8od				76 I	LABORATORY ADDRESS: 1700 West Albany Suite C Broken Arrow, OK 74012
Sempler (Signature) Laura M May	u)	ura M. Morrison			11.00	8260A (SVOC, Pest/PCB, Ex	82708 (Liquid	28 8081	(23) (\$6	• 9013 (Uq	(23), C	111, 0	h (TOC.				Bottles/	PHONE NO: (918) 251-2858	
Sample ID	T	Time Collected	Matrix	₹	Ketele	1 .	SVOC,	SVOC	Peet/PC	Motete	Cyamid	Mercals	Matels	Georec				No. of	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
LLZMW-060-061	19AU696	1530	WATER	ī		Z		ı	N.	ı								7	******	
LLZMW-003-015		153¢	WATEYZ.			2												2	TRIP BLANK	
CPC=0-001/p)-06		1255	SOIL	1				L						1				3		
CPC 30 - 002/p) - 000		1330	501L	1				L						1				3		
CPC = d - OO3/p) - OG		1350	SOIL	1		L				L				1				3		
CPC 30 - 004/p) - 06	4	1445	SOIL	Ц										1				3		
CPC=1-005(p)-06	19 AUG96	1505	SOIL	1		L								1				3		
L1255-047-0359	20AUG96	Ø93Ø	SOIL	Ц		L		L		_				L				2		
L1255 - 050 - 0362		Ф95Ф	SOIL			L		_										2		
LL35d-092-0209-60 30)	1100	5016	1						L								길	
LL356-043-0210		10/30/	BOIL			_						\perp		_				2		
LL 250 - 047(0) - 0141-50		+	1115	BOIL	ı				L						L				3	
LL250-048/0)-01	20 Av46	Ф957	SOIL			L				L		1		L		***		4		
RELINQUISHED BY:	RECEIVED BY:			Date/Time				AL NUMBER OF CONTAINE					INEF	RS:				FEDEX NUMBER:		
	17/14	= 192	"	96	90	Cooler ID:												FEDEX NUMBER:		
COMPANY NAME:	COMPANY NAME: SW Lab of OK				15	_				5	ee	7	zg.	Z	,	:				serpg.2
RECEIVED BY:	Date/Time	RELINQUISHE	Date	/Tii	ne															
COMPANY NAME:	PANY NAME: COMPANY NAME:						ŀ													
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Data	/Tir	ne															
COMPANY NA]	COMPANY NAME:			(((



CHAIN OF CUSTODY RECORD PAGE 2 00 2 COC NO .: 015 CONT. 800 Oak Ridge Turnpike, Oak Ridge, TN 37831 |423| 481-4600 REQUESTED PARAMETERS PROJECT NAME: Revenue Army Ammunition Plant (RVAAP) Phase 1 Ri LABORATORY NAME: SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 BLANK LABORATORY ADDRESS: 1700 West Albany PROJECT MANAGER: Steve Selecman Suite C Broken Arrow, OK 74012 Sempler (Signature) (Printed Name) Yourall Mouden Lever U. Morrison PHONE NO: (918) 251-2858 OBSERVATIONS, COMMENTS, Date Collected | Time Collected Matrix **SPECIAL INSTRUCTIONS** LL2=1-049 (d)-0144-50 28 AUG96 0925 SOIL 20AUG94 1147 5014 COOLANT BLANK NA NA NA TEMPERATURE BLANK LAST ENTRY -RELINQUISHED BY: Cooler Temperature: 3. 4.4 Date/Time Date/Time **TOTAL NUMBER OF CONTAINERS:** Margn 8/31/96 Cooler ID: 8.24.96 FEDEX NUMBER: COMPANY NAME: COMPANY NAME: 1630 BZI, BØS Ø944Z66713 DAIC RECEIVED BY: Date/Time Date/Time COMPANY NAME: **COMPANY NAME:** RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:



Science Applications International Corporation 800 Oak Ridge Turnplike, Oak Ridge, TN 37831 (423) 481-4600		CH	IAIN (OF	CU	ST	OD	ΥI	REC	0	RD	F	2	E	10	<u>_</u>	1	COC NO .: OILe
									UES	LABORATORY NAME:								
PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI							₩							Î				SW Lab of Oklahoma, Inc.
PROJECT NUMBER: 0010							8) 84					P	1	8			Ā	LABORATORY ADDRESS:
								_	₽	Î	_	3	(Solid)	n Size)		١,	¥ ?	1700 West Albany
PROJECT MANAGER: Steve Selecman						1	13,8	P P	(Liquid)	a a	(Loud)	Cyanida	Cyanida	Q.	Ιİ	١,	170	Broken Arrow, OK 74012
Sampler (Signature) (Printed Name)						PROA (e.		8270B	808	3 (8	5	(23), C	(11), C	Toc,		- 0	ا إ	PHONE NO: (918) 251-2858
Lama M Mouder LAURA M. Morrison						l è	SVOC, Pest/PCB	C 82	Pest/PCB 8081	Metals (23)	Cyanida 9013	2		ig i		١.	ב על	
Sample ID		Time Collected	rted Metrix		E E	Š	200	svoc	Peer	<u>₹</u>	Š	Metale	Metals	0			֓֞֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	SPECIAL INSTRUCTIONS
LLASS-067-0679-50	ZOAUGALO	143¢	BOIL		1.												2	
LL2=0- 0A6(d)-0140-5D		HID	BOIL	<u>. </u>										1			3	
LLZ=d-051(d)-0146-5D		1510	3016		1									1			3	
LL 153 - 075 - 0680 - 50		1645	SOIL	_	1												2	
LL 255-062-0601-50	20AU496	1730	5014	-		1						1					3	
L1256-049-0361-80	21 AUG96	1110	SOIL	. I													2	
LL150-077/d)-0685-36		1000	JOIL			Г											2	
11150-076(0)-0684-50	4	Ø93Ø	SOIL														2	
11255-063-0683-80	ZIAUGAL	1030	SOIL			l						1					3	
COOLANT BLANK	NA	NA	NA														1	TEMPERATURE BLANK
LAST ENTRY																		
	- <u>-</u> -		$\overline{}$							\neg								
	**							/		ㅋ		\exists						Al .a.
RELINQUISHED BY: Date/Time	RECEIVED BY:			ate/T	ìme	Ī	ОТА	L N	JMB	ER	OF (CON	TAI	NER	S:	z	3	Cooler Temperature: 59 3°C
X. M. Maudar ZIAU4ALO	-11/11	Mont _	8	/2:	2/9	٦	oole	r ID:							_			FEDEX NUMBER:
1 E 2 A	COMPANY NA					9					B	d Z	_					0944266665
	SW Lab o		_):1		╀												1 3 11 1 3 3 3 3 3
RECEIVED BY: Date/Time	RELINQUISHE	O BY:	Da	ite/T	me													
COMPANY NAME:	COMPANY NAME:																	
RELINQUISHED BY: Date/Time	RECEIVED BY: Date					1												
COMPANY NAME:	COMPANY NA	ME:		1														4



CHAIN OF CUSTODY RECORD Page | 0= | COC NO .: Φ17 800 Oek Ridge Turnpike, Oek Ridge, TN 37831 (423) 481-4800 REQUESTED PARAMETERS LABORATORY NAME: PROJECT NAME: Ravenna Army Ammunition Plant (RVAAP) Phase 1 RI SW Lab of Oklahoma, Inc. PROJECT NUMBER: 0010 LABORATORY ADDRESS: BLANK 1700 West Albany Suite C PROJECT MANAGER: Steve Selecman Broken Arrow, OK 74012 Sampler (Signature) (Printed Name) Laura M. Marylon PHONE NO: (918) 251-2858 LAURA W. Workison OBSERVATIONS, COMMENTS, Date Collected | Time Collected Metrix SPECIAL INSTRUCTIONS LLIMW-067-0619-GW ZIAUG96 1700 WATER LLZMW-004-0159-TB ZIAU696 1700 2 WATER TRIPBLANK DCNar-001-0686-C3 12Augg6 1200 WATER METALS DH = 4 DCNWr-002-0687-C3 22 AUG96 1410 WATER DCNWY-003-0688-03 72 AUG96 1630 WATER. COOLANT BLANK NA NA NA TEMPERATURE BLANK LAST ENTRY Cooler Temperature: 50 Mm RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time **TOTAL NUMBER OF CONTAINERS:** 8.22.96 8/23/96 Cooler ID: **FEDEX NUMBER:** COMPANY NAME: BØ7, B3Z 1830 09:15 SW Lab of Okla. D944266676 JAIC. RECEIVED BY: Date/Time Date/Time COMPANY NAME: COMPANY NAME: RELINQUISHED BY: Date/Time RECEIVED BY: Date/Time COMPANY NAME: COMPANY NAME:

F-105

APPENDIX F — ATTACHMENT F-3

RVAAP Phase 1 RI Analytic Data Status Report

Laboratory: Southwest Laboratory of Oklahoma, I

SDG	. C. I TD		Date	Date	Date	Date	Date	Data	
Nambe	r Sample ID B12SS-002-0379-SO	Analysis	Collected	Shipped				Received	COC
>	B12SS-002-0379-SO B12SS-002-0380-FD	Metals (11)	07/24/96	07/24/96	07/25/96	**	08/10/96	77	001
26406	LL3SS-010-0172-SO	Metals (11) Metals (11)	07/24/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL3SS-012-0175-SO	Metals (11)	07/24/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL3SS-014-0177-SQ	Metals (11)	07/24/96 07/24/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL3SS-015-0178-SO	Metals (11)	07/24/96	07/24/96	07/25/96		08/10/96	/ /	001
264 06	LL4SS-014-0244-SO	Metals (11)	07/24/96	07/24/96 07/24/96	07/25/96		08/10/96	11	001
26406	LLASS-016-0246-SO	Metals (11)	07/24/96	07/24/96	07/25/96 07/25/96		08/10/96	//	001
26406	LL4SS-017-0247-SO	Metals (11)	07/24/96	07/24/96	07/25/96		08/10/96	//	001
26406	LL4SS-018-0248-SO	Metals (11)	07/24/96	07/24/96	07/25/96		08/10/ 96 08/10/ 96	//	001
26406	LL4SS-019-0249-SO	Metals (11)	07/24/96	07/24/96	07/25/96		08/10/96	/ / / /	001
26406	LL4SS-020-0250-SO	Metals (11)	07/24/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL4SS-028-0259-SO	Metals (11)	07/23/96	07/24/96	07/25/96		08/10/96	11	001 001
26406	B12SS-001-0378-SO	Metals (23)	07/24/96	07/24/96	07/25/96		08/10/96	11	001
264 06	LL3SS-016-0179-SO	Metals (23)	07/24/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL3SS-023-0187-SO	Metals (23)	07/23/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL3SS-024-0188-SO	Metals (23)	07/23/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL3SS-025-0189-SO	Metals (23)	07/23/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL4SS-015-0245-SO	Metals (23)	07/24/96	07/24/96	07/25/96		08/10/96	11	001
26406	LL4WP-060-0299-GW	Metals (23)	07/23/96	07/24/96	07/25/96		08/09/96	11	001
26406	B12SS-001-0378-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	B12SS-002-0379-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	B12SS-002-0380-FD	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	LL3SS-010-0172-SO	Explosives	07/24/96	07/24/96	07/25/96		08/22/96	11	001
26406	LL3SS-012-0175-SO	Explosives	07/24/96	07/24/96	07/25/96		08/15/96	11	001
26406	LL3SS-014-0177-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	LL3SS-015-0178-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	LL3SS-016-0179-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
~	LL3SS-023-0187-SO	Explosives	07/23/96	07/24/96	07/25/96		08/12/96	11	001
20-00	LL3SS-024-0188-SO	Explosives	07/23/96	07/24/96	07/25/96		08/13/96	11	001
26406	LL3SS-025-0189-SO	Explosives	07/23/96	07/24/96	07/25/96		08/15/96	11	001
26406 26406	LL4SS-014-0244-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406 26406	LL4SS-015-0245-SO	Explosives	07/24/96	07/24/96	07/25/96		08/24/96	11	001
26406	LL48S-016-0246-SO	Explosives	07/24/96	07/24/96	07/25/96		08/24/96	11	001
26406	LL4SS-017-0247-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	//	001
26406	LL4SS-018-0248-SO LL4SS-019-0249-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	LL4SS-020-0250-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	LL4SS-028-0259-SO	Explosives	07/24/96	07/24/96	07/25/96		08/13/96	11	001
26406	LL4WP-060-0299-GW	Explosives		07/24/96	07/25/96		08/12/96	11	001
26406	B12SS-001-0378-SO	Explosives Pest/PCB		07/24/96	07/25/96		08/16/96	11	001
26406	LL3SS-016-0179-SO	Pest/PCB		07/24/96	07/25/96	07/27/96	08/29/96	11	001
26406	LL3SS-023-0187-SO	Pest/PCB		07/24/96	07/25/96	07/27/96	08/30/96	11	001
26406	LL3SS-024-0188-SO	Pest/PCB		07/24/96	07/25/96	07/27/96	08/30/96	1 1	001
26406	LL3SS-025-0189-SO	Pest/PCB		07/24/96	07/25/96	07/27/96	08/30/96	11	001
26406	LL4SS-015-0245-SO	Pest/PCB		07/24/96	07/25/96	07/27/96	08/30/96	/ /	001
26406	LL4WP-060-0299-GW	Pest/PCB		07/24/96 07/24/96	07/25/96	07/27/96	08/30/96	//	001
26406	B12SS-001-0378-SO	SVOC			07/25/96	07/26/96	08/08/96	//	001
26406	LL3SS-016-0179-SO	SVOC		07/24/96 07/24/96	07/25/96	07/27/96	08/12/96	//	001
26406	LL3SS-023-0187-SO	SVOC			07/25/96	07/27/96	08/12/96	/ /	001
26406	LL3SS-024-0188-SO	SVOC			07/25/96 07/25/96		08/12/96	11	001
26406	LL3SS-025-0189-SO	SVOC					08/12/96	11	001
26406	LL4SS-015-0245-SO	SVOC			07/25/96 07/25/96		08/12/96	//	001
26406	LL4WP-060-0299-GW	SVOC			07/25/96		08/13/96	11	001
26406	B12SS-001-0378-SO	VOC			07/25/96		08/12/96	11	001
26***	LL2002-0157-TB	VOC			07/25/96		08/01/96	11	001
2	LL3SS-016-0179-SO	VOC			07/25/96		08/02/96	11	001
. .	LL3SS-023-0187-SO	VOC			07/25/96		08/01/96	//	001
26406	LL3SS-024-0188-SO	voc			07/25/96		08/01/96 08/01/96	11	001
04/21/97			23,70		- 11 - 21 / 0	·	V0/V1/70	//	001

Laboratory: Southwest Laboratory of Oklahoma, I

SDG			Date	Date	Date	Date	Date	Data		
	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	_ 、
26406	LL3SS-025-0189-SO	VOC	07/23/96	07/24/96	07/25/96		08/01/96	11	001	
26406	LL4SS-015-0245-SO	VOC	07/24/96	07/24/96	07/25/96 07/25/96		08/01/96 08/02/96	/	001 001	
26406	LL4WP-060-0299-GW	VOC	07/23/96	07/24/96 07/25/96	07/25/96		08/02/96	//	001	
26425	B12SD-003(D)-0382-SD	Metals (11)	07/24/96 07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-004(D)-0383-SD	Metals (11)	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425 26425	B12SD-006(D)-0385-SD	Metals (11)	07/24/96	07/25/96	07/26/96		08/17/96	11	002	
26425	B12SD-007(D)-0386-SD B12SD-008(P)-0387-SD	Metals (11) Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-008(P)-0388-FD	Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-005-0167-SO	Metals (11)	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-007-0169-SO	Metals (11)	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-009-0171-SO	Metals (11)	07/24/96	07/25/96	07/26/96		08/11/96	//	002	
26425	LL38S-011-0173-SO	Metals (11)	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-013-0176-SO	Metals (11)	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-026-0190-SO	Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL38S-026-0191-FD	Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL4SS-031-0262-SO	Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL4SS-032-0263-SO	Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL4SS-033-0264-FD	Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL4SS-033-0266-SO	Metals (11)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-005(D)-0384-SD	Metals (23)	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-009(P)-0390-SD	Metals (23)	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-002-0162-SO	Metals (23)	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL4WP-059-0298-GW	Metals (23)	07/24/96	07/25/96	07/26/96		08/09/96	11	002	
26425	LL4WP-061-0300-GW	Metals (23)	07/24/96	07/25/96	07/26/96		08/09/96	11	002	
26425	B12SD-003(D)-0382-SD	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-004(D)-0383-SD	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-005(D)-0384-SD	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-006(D)-0385-SD	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-007(D)-0386-SD	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-008(P)-0387-SD	Explosives	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-008(P)-0388-FD	Explosives	07/25/96	07/25/96	07/26/96		08/11/96	11	002	
26425	B12SD-009(P)-0390-SD	Explosives	07/25/96	07/25/96	07/26/96		08/12/96	11	002	
26425	LL3SS-002-0162-SO	Explosives	07/24/96	07/25/96	07/26/96		08/14/96	11	002	
26425	LL3SS-005-0167-SO	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-007-0169-SO	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-009-0171-SO	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	1.1	002	
26425	LL3SS-011-0173-SO	Explosives	07/24/96	07/25/96	07/26/96		08/14/96	11	002	
26425	LL3SS-013-0176-SO	Explosives	07/24/96	07/25/96	07/26/96		08/11/96	11	002	
26425	LL3SS-026-0190-SO	Explosives	07/25/96	07/25/96	07/26/96		08/12/96	11	002	
26425	LL3SS-026-0191-FD	Explosives	07/25/96	07/25/96	07/26/96		08/12/96	11	002	
26425	LL4SS-031-0262-SO	Explosives	07/25/96	07/25/96	07/26/96		08/12/96	11	002	
26425	LL4SS-032-0263-SO	Explosives	07/25/96	07/25/96	07/26/96		08/12/96	11	002	
26425	LL4SS-033-0264-FD	Explosives	07/25/96	07/25/96	07/26/96		08/15/96	11	002	
26425	LL4SS-033-0266-SO	Explosives	07/25/96	07/25/96	07/26/96		08/15/96	11	002	
26425	LL4WP-059-0298-GW	Explosives	07/24/96	07/25/96	07/26/96		08/16/96	11	002	
26425	LL4WP-061-0300-GW	Explosives	07/24/96	07/25/96	07/26/96		08/16/96	11	002	
26425	B12SD-005(D)-0384-SD	Pest/PCB	07/24/96	07/25/96	07/26/96	07/29/96	08/17/96	11	002	
26425	B12SD-009(P)-0390-SD	Pest/PCB	07/25/96	07/25/96	07/26/96	07/29/96	08/17/96	11	002	
26425	LL3SS-002-0162-SO	Pest/PCB	07/24/96	07/25/96	07/26/96	07/29/96	08/17/96	11	002	
26425	LL4WP-059-0298-GW	Pest/PCB	07/24/96	07/25/96	07/26/96	07/29/96	08/09/96	11	002	
26425	LL4WP-061-0300-GW	Pest/PCB	07/24/96	07/25/96	07/26/96	07/29/96	08/09/96	11	002	
26425	B12SD-005(D)-0384-SD	SVOC	07/24/96	07/25/96	07/26/96	07/29/96	08/12/96	11	002	
26425	B12SD-009(P)-0390-SD	svoc	07/25/96	07/25/96	07/26/96	07/29/96	08/12/96	11	002	
26425	LL3SS-002-0162-SO	svoc	07/24/96	07/25/96	07/26/96	07/29/96	08/12/96	11	002	
26425	LL4WP-061-0300-GW	svoc	07/24/96	07/25/96	07/26/96	07/29/96	08/13/96	11	002	
26425	B12SD-003(D)-0382-SD	TOC	07/24/96	07/25/96	07/26/96		08/14/96	11	002	
26425	B12SD-004(D)-0383-SD	TOC	07/24/96	07/25/96	07/26/96		08/14/96	//	002	
26425	B12SD-005(D)-0384-SD	TOC	07/24/96	07/25/96	07/26/96		08/14/96	11	002	

^N ···¬nber	Sample ID	Analysis	Date Collected	Date Shinned	Date	Date Date	Data	
	B12SD-006(D)-0385-SD	TOC	07/24/96	Shipped 07/25/96	Received	Extracted Analyzed	Received	COC
0.25	B12SD-007(D)-0386-SD	TOC	07/24/96		07/26/96	08/14/96	- / /	002
6425	B12SD-008(P)-0387-SD	TOC		07/25/96	07/26/96	08/14/96	11	002
6425	B12SD-008(P)-0388-FD	TOC	07/25/96	07/25/96	07/26/96	08/14/96	11	002
6425	B12SD-009(P)-0390-SD	TOC	07/25/96	07/25/96	07/26/96	08/14/96	11	002
6425	B12SD-005(D)-0384-SD	voc	07/25/96	07/25/96	07/26/96	08/14/96	/ /	002
6425	B12SD-009(P)-0390-SD		07/24/96	07/25/96	07/26/96	08/01/96	11	002
6425		VOC	07/25/96	07/25/96	07/26/96	08/06/96	11	002
6425	B12001-0391-TB	VOC	07/25/96	07/25/96	07/26/96	08/02/96	11	002
	LL3SS-002-0162-SO	VOC	07/24/96	07/25/96	07/26/96	08/01/96	11	002
6425	LL4WP-059-0298-GW	VOC	07/24/96	07/25/96	07/26/96	08/02/96	11	002
6425	LL4WP-061-0300-GW	VOC	07/24/96	07/25/96	07/26/96	08/02/96	11	002
6442	L12SS-004-0309-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/16/96	11	003
6442	L12SS-005-0310-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/16/96	11	003
6442	L12SS-006-0311-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/16/96	//	
6442	L12SS-008-0313-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
5442	L12SS-008-0314-FD	Metals (11)	07/26/96	07/26/96				003
6442	L12SS-014-0322-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	/ /	003
5442	L12SS-015-0323-FD	Metals (11)	07/26/96		07/27/96	08/15/96	11	003
5442	L12SS-015-0324-SO	Metals (11)		07/26/96	07/27/96	08/15/96	//	003
442	L128S-016-0325-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	//	003
5442		` '	07/25/96	07/26/96	07/27/96	08/12/96	//	003
442	L128S-017-0326-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/16/96	//	003
	L12SS-018-0327-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
5442	L12SS-020-0329-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
442	L12SS-021-0330-FD	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
442	L12SS-021-0332-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
442	LL3SS-001-0161-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
442	LL3SS-003-0163-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
	LL3SS-003-0164-FD	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	
	LL3SS-004-0166-SO	Metals (11)	07/25/96	07/26/96	07/27/96			003
442	LL3SS-006-0168-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	//	003
442	LL3SS-008-0170-SO	Metals (11)	07/25/96			08/12/96	11	003
442	LL3SS-008-0174-FD	Metals (11)		07/26/96	07/27/96	08/12/96	11	003
442	LL3SS-017-0180-SO		07/25/96	07/26/96	07/27/96	08/12/96	1 /	003
442		Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
442	LL3SS-018-0181-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
	LL3SS-019-0182-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
442	LL38S-021-0185-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
442	LL3SS-022-0186-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
442	LL3SS-029-0195-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
442	LL3SS-031-0197-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
442	LL3SS-032-0198-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
442	LI 3SS-033-0199-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	
442	LL3SS-034-0200-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
	LL3SS-036-0203-SO	Metals (11)	07/26/96	07/26/96	07/27/96			003
	LL3SS-037-0204-SO	Metals (11)	07/26/96	07/26/96		08/15/96	//	003
	LL3SS-039(B)-0206-SO	Metals (11)			07/27/96	08/16/96	//	003
	LL3SS-040(B)-0207-SO		07/26/96	07/26/96	07/27/96	08/16/96	11	003
		Metals (11)	07/26/96	07/26/96	07/27/96	08/16/96	11	003
	LL488-001-0231-80	Metals (11)	07/26/96	07/26/96	07/27/96	08/16/96	/ /	003
	LL4SS-006-0236-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/16/96	11	003
	LL4SS-011-0241-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	11	003
	LL4SS-012-0242-SO	Metals (11)	07/26/96	07/26/96	07/27/96	08/15/96	//	003
	LL4SS-026-0257-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/12/96	11	003
	LL48S-027-0258-SO	Metals (11)	07/25/96	07/26/96	07/27/96	08/15/96	11	003
142	LL4SS-029-0260-SO	Metals (11)	07/25/96		07/27/96	08/12/96	11	003
142	LL4SS-035-0268-SO	Metals (11)		07/26/96	07/27/96	08/16/96	11	003
142	CPCWP-011-0221-GW	Metals (23)			07/27/96	08/09/96	11	
	CPCWP-011-0224-FD	Metals (23)			07/27/96			003
	L12SS-007-0312-SO	Metals (23)				08/09/96	//	003
	L12SS-019-0328-SO	Metals (23)			07/27/96	08/16/96	//	003
					07/27/96	08/12/96	11	003
74	LL3SS-020-0183-SO	Metals (23)	07/25/96	07/26/96	07/27/96	08/12/96	11	003

SDG	ory: Southwest Laboratory of	, -	Date	Date	Date	Date	Date	Data		
Number	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	
26442	LL3SS-020-0184-FD	Metals (23)	07/25/96	07/26/96	07/27/96		08/12/96	11	003	
26442	LL3SS-030-0196-SO	Metals (23)	07/26/96	07/26/96 07/26/96	07/27/96		08/15/96	/ /	003	
26442 26442	LL4SS-034-0267-SO CPCWP-011-0221-GW	Metals (23)	07/26/96 07/25/96	07/26/96	07/27/96 07/27/96		08/15/96 08/16/96	/ / / /	003 003	
26442 26442	CPCWP-011-0224-FD	Explosives Explosives	07/25/96	07/26/96	07/27/96		08/16/96	11	003	
26442	L12SS-004-0309-SO	Explosives Explosives	07/26/96	07/26/96	07/27/96		09/09/96*(44)	11	003	
26442	L12SS-005-0310-SO	Explosives Explosives	07/26/96	07/26/96	07/27/96		08/19/96	//	003	
26442	L12SS-006-0311-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	L12SS-007-0312-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	L12SS-008-0313-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	L12SS-008-0314-FD	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	L12SS-014-0322-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	L12SS-015-0323-FD	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	L12SS-015-0324-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	L12SS-016-0325-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442	L12SS-017-0326-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	L12SS-018-0327-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442	L12SS-019-0328-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442	L12SS-020-0329-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442	L12SS-021-0330-FD	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	L12SS-021-0332-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	/ /	003	
26442	LL3SS-001-0161-SO	Explosives	07/25/96	07/26/96	07/27/96		08/16/96	11	003	
26442	LL3SS-003-0163-SO	Explosives	07/26/96	07/26/96	07/27/96		08/17/96	//	003	
26442	LL3SS-003-0164-FD	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL3SS-004-0166-SO	Explosives	07/25/96	07/26/96	07/27/96		08/16/96	//	003	
26442	LL3SS-006-0168-SO	Explosives	07/25/96	07/26/96	07/27/96		08/16/96	//	003	
26442	LL3SS-008-0170-SO	Explosives	07/25/96	07/26/96	07/27/96		08/16/96	//	003	
26442	LL3SS-008-0174-FD	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	//	003	
26442	LL3SS-017-0180-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	//	003	_
26442	LL3SS-018-0181-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442	LL3SS-019-0182-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	//	003	
26442 26442	LL3SS-020-0183-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442 26442	LL3SS-020-0184-FD LL3SS-021-0185-SO	Explosives Explosives	07/25/96 07/25/96	07/26/96 07/26/96	07/27/96 07/27/96		08/17/96 08/17/96	11	003	
26442	LL3SS-021-0185-SO	Explosives Explosives	07/25/96	07/26/96	07/27/96		08/17/96	/	003 003	
26442	LL3SS-029-0195-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL3SS-030-0196-SO	Explosives Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL3SS-031-0197-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL3SS-032-0198-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL3SS-033-0199-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL3SS-034-0200-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL3SS-036-0203-SO	Explosives	07/26/96	07/26/96	07/27/96		08/18/96	11	003	
26442	LL38S-037-0204-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	LL4SS-001-0231-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	LL4SS-006-0236-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	LL4SS-011-0241-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	LL48S-012-0242-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	LL4SS-026-0257-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	//	003	
26442	LL4SS-027-0258-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442	LL4SS-029-0260-SO	Explosives	07/25/96	07/26/96	07/27/96		08/17/96	11	003	
26442	LL4SS-034-0267-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	LL4SS-035-0268-SO	Explosives	07/26/96	07/26/96	07/27/96		08/19/96	11	003	
26442	LNWWP-020-0439-GW	Explosives	07/26/96	07/26/96	07/27/96		08/16/96	11	003	
26442	CPCWP-011-0221-GW	Pest/PCB	07/25/96	07/26/96	07/27/96	07/30/96	08/09/96	11	003	
26442	CPCWP-011-0224-FD	Pest/PCB	07/25/96	07/26/96	07/27/96	07/30/96	08/09/96	11	003	
26442	L12SS-007-0312-SO	Pest/PCB	07/26/96	07/26/96	07/27/96	07/31/96	08/21/96	11	003	
26442	L12SS-019-0328-SO	Pest/PCB	07/25/96	07/26/96	07/27/96	07/31/96	08/21/96	11	003	_
26442	LL3SS-020-0183-SO	Pest/PCB	07/25/96	07/26/96	07/27/96	07/31/96	08/21/96	11	003	
26442	LL3SS-020-0184-FD	Pest/PCB	07/25/96	07/26/96	07/27/96	07/31/96	08/21/96	//	003	

SDG Naber	Sample ID	Analysis	Date Collected	Date Shipped	Date Received	Date	Date	Data	
	LL3SS-030-0196-SO	Pest/PCB	07/26/96	07/26/96	07/27/96	Extracted 07/31/96	Analyzed 08/21/96	Received / /	COC 003
20 - 12	LL4SS-034-0267-SO	Pest/PCB	07/26/96	07/26/96	07/27/96	07/31/96	08/28/96	11	003
26442	CPCWP-011-0221-GW	SVOC	07/25/96	07/26/96	07/27/96	07/30/96	08/13/96	11	003
26442	CPCWP-011-0224-FD	SVOC	07/25/96	07/26/96	07/27/96	07/30/96	08/13/96	11	003
26442	L12SS-007-0312-SO	SVOC	07/26/96	07/26/96	07/27/96	07/31/96	08/13/96	//	003
26442	L12SS-019-0328-SO	SVOC	07/25/96	07/26/96	07/27/96	07/31/96	08/13/96	11	003
26442	LL3SS-020-0183-SO	SVOC	07/25/96	07/26/96	07/27/96	07/31/96	08/13/96	11	003
26442	LL3SS-020-0184-FD	SVOC	07/25/96	07/26/96	07/27/96	07/31/96	08/13/96	11	003
26442	LL3SS-030-0196-SO	SVOC	07/26/96	07/26/96	07/27/96	07/31/96	08/13/96	11	003
26442	LL4SS-034-0267-SO	SVOC	07/26/96	07/26/96	07/27/96	07/31/96	08/13/96	11	003
26442	B12002-0392-TB	VOC	07/25/96	07/26/96	07/27/96		08/02/96	11	003
26442	CFCWP-011-0221-GW	VOC	07/25/96	07/26/96	07/27/96		08/02/96	11	003
26442	CPCWP-011-0224-FD	VOC	07/25/96	07/26/96	07/27/96		08/02/96	11	003
26442	CPCWP-013-0223-GW	VOC	07/26/96	07/26/96	07/27/96		08/05/96	11	003
26442	L12SS-007-0312-SO	VOC	07/26/96	07/26/96	07/27/96		08/01/96	1.7	003
26442	L12SS-019-0328-SO	VOC	07/25/96	07/26/96	07/27/96		08/01/96	//	003
26442	LL1004-0082-TB	VOC	07/26/96	07/26/96	07/27/96		08/05/96	11	003
26442	LL3SS-020-0183-SO	VOC	07/25/96	07/26/96	07/27/96		08/01/96	11	003
26442	LL3SS-020-0184-FD	VOC	07/25/96	07/26/96	07/27/96		08/01/96	11	003
26442	LL3SS-030-0196-SO	VOC	07/26/96	07/26/96	07/27/96		08/01/96	11	003
26442	LL3002-0227-TB	VOC	07/26/96	07/26/96	07/27/96		08/05/96	//	003
26442	LL4SS-034-0267-SO	VOC	07/26/96	07/26/96	07/27/96		08/01/96	11	003
26442	LNWWP-020-0439-GW	VOC	07/26/96	07/26/96	07/27/96		08/05/96	11	003
26442	LNWWP-021-0440-GW	VOC	07/26/96	07/26/96	07/27/96		08/05/96	11	003
26446	L12SD-025(D)-0336-SD	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004
26446	L12SD-027(D)-0338-SD	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004
26446 26 115	L12SD-029(D)-0340-SD	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004
2"	L12SD-033(D)-0344-SD	Metals (11)	07/28/96	07/29/96	07/30/96		08/15/96	11	004
26446	L12SD-034(D)-0345-SD	Metals (11)	07/28/96	07/29/96	07/30/96		08/15/96	11	004
	L12SD-035(D)-0346-SD	Metals (11)	07/28/96	07/29/96	07/30/96		08/15/96	1.1	004
26446	L12SD-036(D)-0347-SD	Metals (11)	07/28/96	07/29/96	07/30/96		08/15/96	11	004
26446	L12SS-002-0307-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/15/96	11	004
26446 26446	L12SS-003-0308-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/15/96	//	004
26446	L12SS-009-0316-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004
26446 26446	L12SS-010-0317-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004
26446	L1288-011-0318-80	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004
26446	L12SS-022(B)-0333-SO	Metals (11)	07/28/96	07/29/96	07/30/96		08/20/96	1.1	004
26446	L12SS-023(B)-0334-SO	Metals (11)		07/29/96	07/30/96		08/20/96	11	004
26446 26446	L12SS-024(B)-0335-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004
26446 26446	L12SS-040-0351-SO	Metals (11)		07/29/96	07/30/96		08/15/96	11	004
26446	L12SS-040-0352-FD	Metals (11)		07/29/96	07/30/96		08/15/96	1 /	004
26446	LL1SS-002-0002-SO LL1SS-006-0007-SO	Metals (11)		07/29/96	07/30/96		08/17/96	11	004
26446	LL1SS-007-0008-SO	Metals (11)		07/29/96	07/30/96		08/17/96	1.1	004
26446	LL1SS-007-0008-SO	Metals (11)		07/29/96	07/30/96		08/17/96	1.1	004
26446	LL1SS-017-0020-SO	Metals (11)		07/29/96	07/30/96		08/17/96	11	004
	LL1SS-017-0020-SO LL1SS-018-0021-SO	Metals (11)		07/29/96	07/30/96		08/17/96	11	004
	LL1SS-021-0024-SO	Metals (11)		07/29/96	07/30/96		08/17/96	11	004
26446	LL1SS-031-0035-SO	Metals (11) Metals (11)		07/29/96	07/30/96		08/20/96	/ /	004
	LL188-032-0036-8O	Metals (11)		07/29/96	07/30/96		08/17/96	/ /	004
	LL1SS-033-0037-SO	Metals (11)		07/29/96	07/30/96		08/17/96	//	004
	LL1SS-034-0038-SO	Metals (11)		07/29/96	07/30/96		08/17/96	//	004
	LL1SS-035-0039-SO	Metals (11)		07/29/96 07/20/96	07/30/96		08/20/96	1.1	004
	LL1SS-037-0042-SO	Metals (11)		07/29/96	07/30/96		08/17/96	/ /	004
	LL1WP-067-0436-GW	Metals (11)		07/29/96	07/30/96		08/20/96	11	004
	LL3SD-035(D)-0201-SD	Metals (11)		07/29/96	07/30/96		08/09/96	11	004
_	LL3SD-035(D)-0202-FD	Metals (11)		07/29/96	07/30/96		08/16/96	//	004
	LL3SD-046(D)-0213-SD	Metals (11)		07/29/96	07/30/96		08/16/96	//	004
	LL3SD-047(D)-0214-SD	Metals (11)		07/29/96 07/29/96	07/30/96 07/30/96		08/16/96	/ /	004
04/21/07			V1/41/20	v // 47/70	U1130/70		08/16/96	11	004

SDG	Samula ID	4 almost-	Date Collected	Date	Date	Date	Date	Data	COC	
Number 26446	Sample ID LI 3SD-048(D)-0215-SD	Analysis Metals (11)	Collected 07/27/96	Shipped 07/29/96	Received 07/30/96	Extracted	Analyzed 08/16/96	Received	004	_
26446	LL3SD-049(D)-0216-SD	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	//	004	_
· 46	LL3SD-050(D)-0217-SD	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL3SD-051(D)-0218-SD	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	//	004	
26446	LL3SD-052(D)-0219-SD	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL3SS-027-0193-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL3SS-038(B)-0205-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SD-013(D)-0243-SD	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004	
26446	LL4SD-021(D)-0251-SD	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004	
26446	LL4SD-050(D)-0287-SD	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004	
26446	LL4SS-002-0232-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-004-0234-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-005-0235-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-007-0237-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-008-0238-SO	Metals (11)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-036-0269-SO	Metals (11)	07/28/96	07/29/96	07/30/96		08/20/96	11	004	
26446	LL4SS-036-0270-FD	Metals (11)	07/28/96	07/29/96	07/30/96		08/20/96	11	004	
26446	LL4SS-038-0272-SO	Metals (11)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL4SS-039-0273-SO	Metals (11)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL4SS-040-0274-SO	Metals (11)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL4SS-046-0281-SO	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004	
26446	LL4SS-047-0282-SO	Metals (11)	07/29/96	07/29/96	07/30/96		08/17/96	11	004	
26446	CPCWP-012-0222-GW	Metals (23)	07/28/96	07/29/96	07/30/96		08/09/96	11	004	
26446	CPCWP-013-0223-GW	Metals (23)	07/26/96	07/29/96	07/30/96		08/09/96	11	004	
26446	L12SD-026(D)-0337-SD	Metals (23)	07/28/96	07/29/96	07/30/96		08/20/96	11	004	
26446	L12SD-028(D)-0339-SD	Metals (23)	07/29/96	07/29/96	07/30/96		08/17/96	11	004	
26446	L12SS-001-0306-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/15/96	. / /	004	
26446	L12SS-012-0319-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	L12SS-012-0320-FD	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	L12SS-013-0321-SO	Metais (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	-
26446	L12SS-041-0353-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL1SS-001-0001-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/17/96	11	004	
26446	LL1SS-019-0022-SO	Metals (23)	07/29/96	07/29/96	07/30/96		08/20/96	11	004	
26446	LL1SS-025-0028-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL1SS-026-0029-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL1SS-027-0030-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL1SS-036-0040-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/20/96	11	004	
26446	LL1SS-036-0041-FD	Metals (23)	07/28/96	07/29/96	07/30/96		08/20/96	11	004	
26446	LL1WP-068-0437-GW	Metals (23)	07/28/96	07/29/96	07/30/96		08/09/96	7.7	004	
26446	LL3SD-053(D)-0220-SD	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	/ /	004	
26446	LL3SS-028-0194-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-003-0233-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-009-0239-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-022-0252-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-023-0253-SO	Metals (23)	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	LL4SS-024-0254-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL4SS-025-0255-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL4SS-025-0256-FD	Metals (23)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL4SS-037-0271-SO	Metals (23)	07/28/96	07/29/96	07/30/96		08/15/96	11	004	
26446	LL 4WP-001-0664-ER	Metals (23)	07/28/96	07/29/96	07/30/96		08/09/96	11	004	
26446	LNWWP-019-0438-GW	Metals (23)	07/27/96	07/29/96	07/30/96		08/09/96	11	004	
26446	LNWWP-020-0439-GW	Metals (23)	07/26/96	07/29/96	07/30/96		08/09/96	//	004	
26446	CPCWP-012-0222-GW	Explosives	07/28/96	07/29/96	07/30/96		08/16/96	11	004	
26446	CPCWP-013-0223-GW	Explosives	07/26/96	07/29/96	07/30/96		08/16/96	//	004	
26446	L12SD-025(D)-0336-SD	Explosives	07/29/96	07/29/96	07/30/96		08/19/96	11	004	
26446	L12SD-026(D)-0337-SD	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	11	004	
26446	L12SD-027(D)-0338-SD	Explosives	07/29/96	07/29/96	07/30/96		08/19/96	//	004	-
26446	L12SD-028(D)-0339-SD	Explosives	07/29/96	07/29/96	07/30/96		08/19/96	//	004	
26446	L12SD-029(D)-0340-SD	Explosives	07/29/96	07/29/96	07/30/96		08/19/96	/ /	004	

SDG Nnber	· Sample ID	Analysis	Date Collected	Date Shipped	Date Received	Date Date Extracted Analyzed	Data	
	L12SD-033(D)-0344-SD	Explosives	07/28/96	07/29/96	07/30/96	Extracted Analyzed 08/29/96	Received	COC 004
20-1-16	L12SD-034(D)-0345-SD	Explosives	07/28/96	07/29/96	07/30/96	08/29/96	//	004
26446	L12SD-035(D)-0346-SD	Explosives	07/28/96	07/29/96	07/30/96	08/29/96	11	004
26446	L12SD-036(D)-0347-SD	Explosives	07/28/96	07/29/96	07/30/96	08/29/96	11	004
26446	L12SS-001-0306-SO	Explosives	07/27/96	07/29/96	07/30/96	08/29/96	11	004
26446	L12SS-002-0307-SO	Explosives	07/27/96	07/29/96	07/30/96	08/29/96	11	004
26446	L12SS-003-0308-SO	Explosives	07/27/96	07/29/96	07/30/96	08/29/96	11	004
26446	L12SS-009-0316-SO	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
26446	L12SS-010-0317-SO	Explosives	07/27/96	07/29/96	07/30/96	09/04/96	11	004
26446	L12SS-011-0318-SO	Explosives	07/27/96	07/29/96	07/30/96	08/24/96	11	004
26446 26446	L1288-012-0319-80	Explosives	07/27/96	07/29/96	07/30/96	08/24/96	//	004
26446 26446	L12SS-012-0320-FD L12SS-013-0321-SO	Explosives	07/27/96	07/29/96	07/30/96	08/24/96	11	004
26446	L12SS-040-0351-SO	Explosives Explosives	07/27/96	07/29/96	07/30/96	08/24/96	11	004
26446	L12SS-040-0352-FD	Explosives Explosives	07/27/96	07/29/96	07/30/96	08/29/96	1.1	004
26446	L12SS-041-0353-SO	Explosives Explosives	07/27/96	07/29/96	07/30/96	08/29/96	11	004
26446	LL1SS-001-0001-SO	Explosives Explosives	07/27/96	07/29/96	07/30/96	08/29/96	//	004
26446	LL1SS-002-0002-SO	Explosives	07/28/96 07/29/96	07/29/96	07/30/96	08/19/96	11	004
26446	LL1SS-006-0007-SO	Explosives	07/29/96	07/29/96 07/29/96	07/30/96	08/20/96	11	004
26446	LL1SS-007-0008-SO	Explosives	07/29/96	07/29/96	07/30/96	08/20/96	//	004
26446	LL1SS-008-0009-SO	Explosives	07/29/96	07/29/96	07/30/96 07/30/96	08/20/96	11	004
26446	LL1SS-017-0020-SO	Explosives	07/29/96	07/29/96		08/20/96	//	004
26446	LL1SS-018-0021-SO	Explosives	07/29/96	07/29/96	07/30/96	08/20/96	//	004
26446	LL1SS-019-0022-SO	Explosives	07/29/96	07/29/96	07/30/96 07/30/96	08/20/96	11	004
26446	LL1SS-021-0024-SO	Explosives	07/29/96	07/29/96	07/30/96	08/20/96	11	004
26446	LL1SS-025-0028-SO	Explosives	07/28/96	07/29/96		08/20/96	11	004
26446	LL1SS-026-0029-SO	Explosives	07/28/96	07/29/96	07/30/96	08/29/96	11	004
26446	LL1SS-031-0035-SO	Explosives	07/28/96	07/29/96	07/30/96 07/30/96	08/29/96	11	004
	LL1SS-032-0036-SO	Explosives	07/28/96	07/29/96	07/30/96	08/19/96	//	004
26446	LL1SS-033-0037-SO	Explosives	07/28/96	07/29/96	07/30/96	08/19/96	//	004
26446	LL1SS-034-0038-SO	Explosives	07/28/96	07/29/96	07/30/96	08/19/96	11	004
26446	LL1SS-035-0039-SO	Explosives	07/28/96	07/29/96	07/30/96	08/29/96	//	004
26446	LL1SS-036-0040-SO	Explosives	07/28/96	07/29/96	07/30/96	08/19/96 08/29/96	/ / / /	004
26446	LL1SS-036-0041-FD	Explosives	07/28/96	07/29/96	07/30/96	08/29/96	11	004
26446	LL1SS-037-0042-SO	Explosives	07/28/96	07/29/96	07/30/96	08/29/96	11	004
26446	LL1WP-067-0436-GW	Explosives	07/29/96	07/29/96	07/30/96	08/16/96	11	004
26446	LL1WP-068-0437-GW	Explosives	07/28/96	07/29/96	07/30/96	08/16/96	11	004
26446	LL3SD-035(D)-0201-SD	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
26446	LL3SD-035(D)-0202-FD	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	1 1	004
26446	LL3SD-046(D)-0213-SD	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
26446	LL3SD-047(D)-0214-SD	Explosives		07/29/96	07/30/96	08/24/96	11	004 004
26446	LL3SD-048(D)-0215-SD	Explosives		07/29/96	07/30/96	08/25/96	11	004
26446	LL3SD-049(D)-0216-SD	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
26446	LL3SD-050(D)-0217-SD	Explosives		07/29/96	07/30/96	08/25/96	11	004
26446	LL3SD-051(D)-0218-SD	Explosives		07/29/96	07/30/96	08/25/96	11	004
26446	LL3SD-052(D)-0219-SD	Explosives		07/29/96	07/30/96	08/25/96	11	004
26446	LL3SD-053(D)-0220-SD	Explosives		07/29/96	07/30/96	08/25/96	11	004
26446	LL3SS-027-0193-SO	Explosives		07/29/96	07/30/96	08/24/96	11	004
26446	LL3SS-028-0194-SO	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
26446	LL4SD-013(D)-0243-SD	Explosives		07/29/96	07/30/96	08/20/96	11	004
26446	LL4SD-021(D)-0251-SD	Explosives	07/29/96	07/29/96	07/30/96	08/20/96	11	004
2644 6	LL4SD-050(D)-0287-SD	Explosives		07/29/96	07/30/96	08/19/96	11	004
26446	LL4SS-002-0232-SO	Explosives	07/27/96	07/29/96	07/30/96	08/24/96	11	004
26446	LL4SS-003-0233-SO	Explosives	07/27/96	07/29/96	07/30/96	08/24/96	11	004
26446	LL4SS-004-0234-SO	Explosives	07/27/96	07/29/96	07/30/96	08/24/96	11	004
26	LL4SS-005-0235-SO	Explosives	07/27/96	07/29/96	07/30/96	08/24/96	11	004
2	LL4SS-007-0237-SO	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
26446	LL4SS-008-0238-SO	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
26446	LL4SS-009-0239-SO	Explosives	07/27/96	07/29/96	07/30/96	08/25/96	11	004
04/21/07				**				

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SDG		,, -	Date	Date	Date	Date	Date	Data		
Number	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	
26446	LL4SS-022-0252-SO	Explosives	07/27/96	07/29/96	07/30/96		08/24/96	77	004	_
264 46	LL4SS-023-0253-SO	Explosives	07/27/96	07/29/96	07/30/96		08/24/96	/ /	004	
26446	LL4SS-024-0254-SO	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	//	004	
26446	LL4SS-025-0255-SO	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	11	004	
26446	LL4SS-025-0256-FD	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	11	004	
26446	LL4SS-036-0269-SO	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	//	004	
26446	LL4SS-036-0270-FD	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	//	004	
26446	LL4SS-037-0271-SO	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	//	004	
26446	LL4SS-038-0272-SO	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	11	004	
26446	LL4SS-039-0273-SO	Explosives	07/28/96	07/29/96	07/30/96		08/29/96 08/29/96	/	004 004	
26446	LL4SS-040-0274-SO	Explosives	07/28/96	07/29/96 07/29/96	07/30/96 07/30/96		08/19/96	//	004	
26446	LLASS-046-0281-SO	Explosives	07/29/96 07/29/96	07/29/96	07/30/96		08/20/96	11	004	
26446	LL4SS-047-0282-SO LL4WP-001-0664-ER	Explosives Explosives	07/28/96	07/29/96	07/30/96		08/16/96	11	004	
26446 26446	LNWWP-019-0438-GW	Explosives Explosives	07/27/96	07/29/96	07/30/96		08/16/96	11	004	
26446	CPCWP-012-0222-GW	Pest/PCB	07/28/96	07/29/96	07/30/96	07/31/96	08/10/96	11	004	
26446	CPCWP-013-0223-GW	Pest/PCB	07/26/96	07/29/96	07/30/96	07/31/96	08/10/96	11	004	
26446	L12SD-026(D)-0337-SD	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/20/96	11	004	
26446	L12SD-028(D)-0339-SD	Pest/PCB	07/29/96	07/29/96	07/30/96	08/02/96	08/31/96	11	004	
26446	L12SS-001-0306-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/02/96	08/17/96	11	004	
26446	L12SS-012-0319-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	09/07/96	11	004	
26446	L12SS-012-0320-FD	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	09/07/96	11	004	
26446	L128S-013-0321-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	09/07/96	11	004	
26446	L12SS-041-0353-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/02/96	08/18/96	11	004	
26446	LL1SS-001-0001-SO	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/30/96	11	004	
26446	LL1SS-019-0022-SO	Pest/PCB	07/29/96	07/29/96	07/30/96	08/02/96	08/31/96	11	004	
26446	LL1SS-025-0028-SO	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/18/96	11	004	
26446	LL1SS-026-0029-SO	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/20/96	11	004	
26446	LL1SS-027-0030-SO	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/18/96	11	004	_
26446	LL1SS-036-0040-SO	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/21/96	11	004	
26446	LL1SS-036-0041-FD	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/21/96	11	004	
2644 6	LL1WP-068-0437-GW	Pest/PCB	07/28/96	07/29/96	07/30/96	07/31/96	08/09/96	11	004	
26446	LL3SD-053(D)-0220-SD	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	09/10/96*(42)	11	004	
2644 6	LL3SS-028-0194-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	09/09/96*(41)		004	
26446	LL4SS-003-0233-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	09/09/96*(41)		004	
26446	LL4SS-009-0239-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	• •	11	004	
26446	LL4SS-022-0252-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	` '	//	004	
26446	LLASS-023-0253-SO	Pest/PCB	07/27/96	07/29/96	07/30/96	08/03/96	09/10/96*(42)	//	004	
26446	LL4SS-024-0254-SO	Pest/PCB	07/28/96	07/29/96	07/30/96	08/02/96	08/20/96	11	004	
26446	LL4SS-025-0255-SO	Pest/PCB	07/28/96	07/29/96	07/30/96 07/30/96	08/02/96 08/02/96	08/18/96 08/18/96	/	004 004	
26446	LL4SS-025-0256-FD	Pest/PCB	07/28/96	07/29/96 07/29/96	07/30/96	08/02/96	08/18/96	11	004	
26446	LL4SS-037-0271-SO LL4WP-001-0664-ER	Pest/PCB Pest/PCB	07/28/96 07/28/96	07/29/96	07/30/96	07/31/96	08/10/96	//	004	
26446 26446	LNWWP-019-0438-GW	Pest/PCB	07/27/96	07/29/96	07/30/96	07/31/96	08/10/96	11	004	
26446	CPCWP-012-0222-GW	SVOC	07/28/96	07/29/96	07/30/96	08/01/96	08/14/96	11	004	
26446	CPCWP-013-0223-GW	svoc	07/26/96	07/29/96	07/30/96	08/01/96	08/14/96	11	004	
26446	L12SD-026(D)-0337-SD	SVOC	07/28/96	07/29/96	07/30/96	08/02/96	08/14/96	11	004	
26446	L12SD-028(D)-0339-SD	svoc	07/29/96	07/29/96	07/30/96	08/02/96	08/19/96	11	004	
26446	L12SS-001-0306-SO	SVOC	07/27/96	07/29/96	07/30/96	08/02/96	08/14/96	11	004	
26446	L12SS-012-0319-SO	SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/13/96	11	004	
26446	L12SS-012-0320-FD	SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/13/96	11	004	
26446	L12SS-013-0321-SO	SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/13/96	11	004	
26446	L12SS-041-0353-SO	SVOC	07/27/96	07/29/96	07/30/96	08/02/96	08/14/96	11	004	
26446	LL1SS-001-0001-SO	SVOC	07/28/96	07/29/96	07/30/96	08/02/96	08/19/96	11	004	
26446	LL1SS-019-0022-SO	SVOC	07/29/96	07/29/96	07/30/96	08/02/96	08/15/96	11	004	
26446	LL1SS-025-0028-SO	SVOC	07/28/96	07/29/96	07/30/96	08/02/96	08/14/96	11	004	
26446	LL1SS-026-0029-SO	SVOC	07/28/96	07/29/96	07/30/96	08/02/96	08/14/96	11	004	_
26446	LL1SS-027-0030-SO	SVOC	07/28/96	07/29/96	07/30/96	08/02/96	08/14/96	//	004	
26446	LL1SS-036-0040-SO	SVOC	07/28/96	07/29/96	07/30/96	08/02/96	08/14/96	11	004	_

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SDG			Date	Date	Date	Date	Date	Data	
Number		Analysis	Collected	Shipped		Extracted	Analyzed	Received	COC
	LL1SS-036-0041-FD	SVOC	07/28/96	07/29/96	07/30/96	08/02/96	08/14/96	//	004
26446	LL1WP-068-0437-GW	SVOC	07/28/96	07/29/96	07/30/96	08/01/96	08/14/96	11	004
26446	LL3SD-053(D)-0220-SD LL3SS-028-0194-SO	SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/14/96	//	004
26446	LL4SS-003-0233-SO	SVOC SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/13/96	11	004
26446	LL4SS-003-0233-SO LL4SS-009-0239-SO	SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/13/96	11	004
26446	LL4SS-022-0252-SO	SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/14/96	11	004
26446	LL4SS-023-0253-SO	SVOC	07/27/96	07/29/96	07/30/96	08/03/96	08/13/96	//	004
26446	LL4SS-024-0254-SO	SVOC	07/27/96 07/28/96	07/29/96	07/30/96	08/03/96	08/13/96	/ /	004
26446	LL4SS-025-0255-SO	svoc	07/28/96	07/29/96 07/29/96	07/30/96	08/02/96	08/14/96	1.1	004
26446	LL4SS-025-0256-FD	svoc	07/28/96	07/29/96	07/30/96 07/30/96	08/02/96	08/14/96	//	004
26446	LL4SS-037-0271-SO	SVOC	07/28/96	07/29/96	07/30/96	08/02/96 08/02/96	08/14/96	//	004
26446	LLAWP-001-0664-ER	SVOC	07/28/96	07/29/96	07/30/96	08/01/96	08/14/96 08/14/96	/	004
26446	LNWWP-019-0438-GW	SVOC	07/27/96	07/29/96	07/30/96	08/01/96	08/14/96	11	004
26446	L12SD-025(D)-0336-SD	TOC	07/29/96	07/29/96	07/30/96	00/01/90	08/21/96	11	004
26446	L12SD-026(D)-0337-SD	TOC	07/28/96	07/29/96	07/30/96		08/21/96	11	004 004
26446	L12SD-027(D)-0338-SD	TOC	07/29/96	07/29/96	07/30/96		08/21/96	11	004
26446	L12SD-028(D)-0339-SD	TOC	07/29/96	07/29/96	07/30/96		08/21/96	11	004
26446	L12SD-029(D)-0340-SD	TOC	07/29/96	07/29/96	07/30/96		08/21/96	11	004
26446	L12SD-033(D)-0344-SD	TOC	07/28/96	07/29/96	07/30/96		08/21/96	11	004
26446	L12SD-034(D)-0345-SD	TOC	07/28/96	07/29/96	07/30/96		08/21/96	11	004
26446	L12SD-035(D)-0346-SD	TOC	07/28/96	07/29/96	07/30/96		08/21/96	11	004
26446	L12SD-036(D)-0347-SD	TOC	07/28/96	07/29/96	07/30/96		08/21/96	11	004
26446	LL3SD-046(D)-0213-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
26446	LL3SD-047(D)-0214-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
26446	LL3SD-048(D)-0215-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
26446	LL3SD-049(D)-0216-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
26446	LL3SD-050(D)-0217-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
,	LL3SD-051(D)-0218-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
2	LL3SD-052(D)-0219-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
26446	LL3SD-053(D)-0220-SD	TOC	07/27/96	07/29/96	07/30/96		08/14/96	11	004
26446	LL4SD-021(D)-0251-SD	TOC	07/29/96	07/29/96	07/30/96		08/21/96	11	004
26446	LL4SD-050(D)-0287-SD	TOC	07/29/96	07/29/96	07/30/96		08/21/96	11	004
26446	CPCWP-012-0222-GW	VOC	07/28/96	07/29/96	07/30/96		08/07/96	11	004
26446	CPC001-0662-TB	VOC	07/28/96	07/29/96	07/30/96		08/07/96	11	004
26446	CPC002-0663-TB	VOC	07/29/96	07/29/96	07/30/96		08/07/96	11	004
26446	L12SD-026(D)-0337-SD	VOC	07/28/96	07/29/96	07/30/96		08/07/96	77	004
26446	L12SD-028(D)-0339-SD	VOC	07/29/96	07/29/96	07/30/96		08/07/96	11	004
26446	L12SS-001-0306-SO	VOC	07/27/96	07/29/96	07/30/96		08/06/96	11	004
26446	L12SS-012-0319-SO	VOC	07/27/96	07/29/96	07/30/96		08/05/96	11	004
26446	L12SS-012-0320-FD	VOC	07/27/96	07/29/96	07/30/96		08/07/96	11	004
26446	L12SS-013-0321-SO	VOC	07/27/96	07/29/96	07/30/96		08/07/96	11	004
26446	L12SS-041-0353-SO	VOC	07/27/96	07/29/96	07/30/96		08/06/96	11	004
26446	L12WP-057-0371-GW	VOC	07/28/96	07/29/96	07/30/96		08/07/96	11	004
26446	LL1SS-001-0001-SO	VOC	07/28/96	07/29/96	07/30/96		08/02/96	11	004
26446	LL1SS-019-0022-SO	VOC	07/29/96	07/29/96	07/30/96		08/05/96	11	004
26446	LL1SS-025-0028-SO	VOC	07/28/96	07/29/96	07/30/96		08/07/96	11	004
26446	LL1SS-026-0029-SO	VOC	07/28/96	07/29/96	07/30/96		08/06/96	11	004
2644 6	LL1SS-027-0030-SO	VOC	07/28/96	07/29/96	07/30/96		08/06/96	11	004
26446	LL1SS-036-0040-SO	VOC	07/28/96	07/29/96	07/30/96		08/07/96	11	004
26446	LL1SS-036-0041-FD	VOC	07/28/96	07/29/96	07/30/96		08/07/96	11	004
26446	LL1WP-067-0436-GW	VOC	07/29/96	07/29/96	07/30/96		08/07/96	11	004
26446	LL1WP-068-0437-GW	VOC	07/28/96	07/29/96	07/30/96		08/07/96	11	004
26446	LLEWP-069-0441-GW	VOC	07/29/96	07/29/96	07/30/96		08/07/96	11	004
26446	LL3SD-053(D)-0220-SD	VOC	07/27/96	07/29/96	07/30/96		08/06/96	11	004
26446	LL3SS-028-0194-SO	VOC	07/27/96	07/29/96	07/30/96		08/07/96	11	004
<u> </u>	LL4SS-003-0233-SO	VOC	07/27/96	07/29/96	07/30/96		08/05/96	11	004
20 770	LL4SS-009-0239-SO	VOC	07/27/96	07/29/96	07/30/96		08/06/96	11	004
26446	LL4SS-022-0252-SO	VOC	07/27/96	07/29/96	07/30/96		08/07/96	11	004

Name Sample D	SDG	ory, southwest Laboratory of	· • • • • • • • • • • • • • • • • • • •	Date	Date	Date	Date	Date	Data		
LLSS-024-021-S-SO							Extracted		•	***	
14-88-023-4023-503-50-60 VOC											1
1444											
1.1458.407.4071.50											
1244-6 LIAWIN-010-4034-CR VOC											
1.00											
196444 LNWWP-072-0445-CIW VOC 0723996 0773096 0807796 // 004											
1964 1.								08/07/96	11	004	
1964 1.125 1.030 1.030 1.030 1.030 1.030 1.030 1.030 1.030 1.030 1.030 1.030 1.030 1.030 1.135 1.030 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030 1.135 1.030						07/30/96		08/07/96	11	004	
124676					07/30/96	07/31/96		08/21/96	11	005	
124676		` '	* *			07/31/96		08/24/96	11	005	
126176 125D-039(D)-030-8D Metals (11) 073096 073196 073196 082496 // 005		` /	` '	07/30/96	07/30/96	07/31/96		08/21/96	11	005	
		, ,		07/30/96	07/30/96	07/31/96		08/24/96	11	005	
1.	26476	L12SS-042-0354-SO	Metals (11)	07/29/96	07/30/96	07/31/96		08/24/96	11	005	
LISB-024-00027-SD	26476	L12SS-043-0355-SO	Metals (11)	07/29/96	07/30/96	07/31/96		08/24/96	11	005	
LLISS-003-0003-SO	26476	L12SS-045-0357-SO	Metals (11)	07/29/96	07/30/96	07/31/96		08/24/96			
LilisS-004-0004-80	26476	LL1SD-024-0027-SD	Metals (11)	07/30/96	07/30/96	07/31/96		08/21/96	11		
LLISS-005-0005-SO	26476	LL1SS-003-0003-SO	Metals (11)	07/29/96	07/30/96	07/31/96		08/24/96			
26476	26476	LL1SS-004-0004-SO	Metals (11)	07/29/96	07/30/96	07/31/96		08/24/96			
Color	26476	LL1SS-005-0005-SO	Metals (11)	07/29/96	07/30/96	07/31/96		08/24/96			
Color	26476	LL1SS-005-0006-FD	Metals (11)	07/29/96	07/30/96	07/31/96		08/24/96			
LILSS-020-0023-SO Metals (11)	26476	LL1SS-009-0010-SO	Metals (11)	07/29/96		07/31/96					
Color	26476	LL1SS-012-0013-SO	Metals (11)	07/30/96	07/30/96						
Color	26476	LL1SS-020-0023-SO	Metals (11)								
Color	26476	LL1SS-022-0025-SO	Metals (11)								
Control Cont	26476	LL1SS-023-0026-SO									
Color											
26476 LL4SD-044(D)-0278-SD Metals (11) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-044(D)-0279-FD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-048(D)-0284-FD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-048(D)-0284-FD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-049(D)-0286-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-05(D)-0297-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-058(D)-0297-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0461-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0461-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-007-0462-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-051(D)-0288-SD Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SS-010-0011-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-051(D)-0288-SD Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-051(D)-0288-SD Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SD-03(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL2SD-03(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03(D)-035-SO Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03(D)-035-SO Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03(D)-035-SO Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03(D)-035-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03(D)-035-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03(D)-035-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03-00-05-SO Explosives 07/2											
Control			, ,								
26476 LL4SD-048(D)-0283-SD Metals (11)		• •	, ,								
26476 LL4SD-048(D)-0284-FD Metals (11) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 LL4SD-049(D)-0286-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-056(D)-0295-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL4SD-058(D)-0297-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-007-0462-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL2SS-044-0356-SO Metals (23) 07/20/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SS-010-0011-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/24/96 // 005 26476 LL4SS-038-044-3SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 LL4SS-038-0043-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 LL4SD-051(D)-0288-SD Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 LL2SD-030(D)-0341-SD Explosives 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03-04-003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-03-04-003-SO Explosives		, .									
26476 LL4SD-049(D)-0288-SD Metals (11) 07/29/96 07/30/96 07/31/96 08/24/96 // 005 26476 LL4SD-056(D)-0297-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 LL4SD-058(D)-0297-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-007-0462-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-044-0356-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-043-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/24/96 // 005 26476 L12SS-038-0043-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L14SD-051(D)-0288-SD Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L12SD-037(D)-0348-SD Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L12SD-037(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0350-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0350-SD Explosives 07/20/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0350-SD Explosives 07/20/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0350-SD Explosives 07/20/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-045-0354-SO Explosives 07/20/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-004-0004-SO Explosives 07/20/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-004-0004-SO Explosives 07/20/		, ,									
26476 LL4SD-056(D)-0295-SD Metals (11) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-007-0462-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-044-0356-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-010-0011-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/24/96 // 005 26476 L1LSS-010-0011-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L1LSS-038-0043-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 WBGSS-008-0463-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 WBGSS-008-0463-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L12SD-030(D)-0341-SD Explosives 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L12SD-030(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-030(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-038(D)-0349-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0350-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-040-027-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SS-004-004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SS-004-004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SS-004-006-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 LL1SS-004-006-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96		` '	, ,								
26476 LL4SD-058(D)-0297-SD Metals (11) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0461-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-006-0461-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-007-0462-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-044-0356-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1LSS-010-0011-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1LSS-038-0043-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L14SD-051(D)-0288-SD Metals (23) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-008-0463-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-008-0463-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-030(D)-0341-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-033(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0348-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-039(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-040-0349-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-040-0349-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-040-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-040-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-040-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-040-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SD-040-05-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L11SD-004-004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L11SD-004-004-SO Explosives 07/29/96 07/30/96 07/31/96 08/20		, ,	, ,								
26476 WBGSS-004-0459-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-005-0460-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-007-0462-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 WBGSS-004-0461-SO Metals (11) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L12SS-044-0356-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/24/96 // 005 26476 L1.1SS-010-0011-SO Metals (23) 07/29/96 07/30/96 07/31/96 08/24/96 // 005 26476 L1.1SS-038-0043-SO Metals (23) 07/30/96 07/30/96 07/31/96 08/24/96 // 005 26476 L1.2SD-039(D)-0288-SD Metals (23) 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-0341-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-0341-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-0341-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-0341-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-0345-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-0345-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-035-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-035-SD Explosives 07/30/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-035-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-035-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-035-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-035-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-039(D)-035-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-034-005-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-034-005-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-034-005-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-034-005-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005 26476 L1.2SD-03-005-SO Explosives 07/		• •									
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26476 L12SD-030(D)-0341-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 L12SD-037(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/30/96 07/31/96 08/22/96 / / 005 26476 L12SD-039(D)-0350-SD Explosives 07/30/96 07/30/96 07/31/96 08/22/96 / / 005 26476 L12SS-042-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-044-0356-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L1SS-003-0003-SO Explosives 07/30/96 07/30/96 07/31/96 08		` '						08/21/96	11		
26476 L12SD-037(D)-0348-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / 005 26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/31/96 08/22/96 / 005 26476 L12SD-039(D)-0350-SD Explosives 07/30/96 07/31/96 08/22/96 / 005 26476 L12SS-042-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / 005 26476 L12SS-044-0356-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / 005 26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / 005 26476 L1SD-024-0027-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / 005 26476 L1SS-003-0003-SO Explosives			· · · · · · · · · · · · · · · · · · ·	07/30/96				08/22/96	11	005	
26476 L12SD-038(D)-0349-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 L12SD-039(D)-0350-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 L12SS-042-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-044-0356-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SD-024-0027-SD Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005								08/21/96	11		
26476 L12SD-039(D)-0350-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 L12SS-042-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-044-0356-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SD-024-0027-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 <td></td> <td>• •</td> <td>•</td> <td>07/30/96</td> <td>07/30/96</td> <td>07/31/96</td> <td></td> <td>08/22/96</td> <td>11</td> <td>005</td> <td></td>		• •	•	07/30/96	07/30/96	07/31/96		08/22/96	11	005	
26476 L12SS-042-0354-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-044-0356-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SD-024-0027-SD Explosives 07/30/96 07/30/96 07/31/96 08/22/96 / / 005 26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96		` '	-	07/30/96		07/31/96		08/22/96	11	005	
26476 L12SS-043-0355-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-044-0356-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SD-024-0027-SD Explosives 07/29/96 07/30/96 07/31/96 08/22/96 / / 005 26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005		` '	-	07/29/96	07/30/96	07/31/96		08/21/96	11	005	
26476 L12SS-044-0356-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SD-024-0027-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005		L12SS-043-0355-SO	=	07/29/96	07/30/96	07/31/96		08/21/96	11	005	
26476 L12SS-045-0357-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SD-024-0027-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005			-	07/29/96	07/30/96	07/31/96		08/21/96	11	005	
26476 LL1SD-024-0027-SD Explosives 07/30/96 07/31/96 08/22/96 / / 005 26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005			-	07/29/96	07/30/96	07/31/96		08/21/96	11	005	
26476 LL1SS-003-0003-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005			•	07/30/96	07/30/96	07/31/96		08/22/96	11		
26476 LL1SS-004-0004-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 / / 005 26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005			Explosives	07/29/96	07/30/96	07/31/96		08/21/96			
26476 LL1SS-005-0005-SO Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005 26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 / / 005			•	07/29/96	07/30/96	07/31/96		08/21/96			
26476 LL1SS-005-0006-FD Explosives 07/29/96 07/30/96 07/31/96 08/20/96 // 005		LL1SS-005-0005-SO	Explosives	07/29/96	07/30/96	07/31/96		08/20/96			
26476 LL1SS-009-0010-SO Explosives 07/29/96 07/30/96 07/31/96 08/21/96 // 005		LL1SS-005-0006-FD	Explosives	07/29/96	07/30/96	07/31/96					
	26476	LL1SS-009-0010-SO	Explosives	07/29/96	07/30/96	07/31/96		08/21/96	11	005	

SDG	·	,-	Date	Date	Date	D-4.	T	_	
Numbe		Analysis	Collected	Shipped	Received	Date Extracted	Date Analyzed	Data Received	COC
	LL1SS-010-0011-SO	Explosives	07/29/96	07/30/96	07/31/96		08/23/96	//	COC 003
26.45.6	LL1SS-012-0013-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL1SS-020-0023-SO	Explosives	07/29/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL1SS-022-0025-SO	Explosives	07/29/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL1SS-023-0026-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL1SS-038-0043-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL1SS-039-0044-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL18S-039-0045-FD	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL1SS-040-0047-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL1WP-069-0441-GW	Explosives	07/29/96	07/30/96	07/31/96		08/16/96	11	005
26476 36476	LLASD-044(D)-0278-SD	Explosives	07/29/96	07/30/96	07/31/96		08/21/96	11	005
26476 26476	LL4SD-044(D)-0279-FD	Explosives	07/29/96	07/30/96	07/31/96		08/21/96	11	005
26476	LL4SD-048(D)-0283-SD	Explosives	07/30/96	07/30/96	07/31/96		08/22/96	11	005
26476	LL4SD-048(D)-0284-FD	Explosives	07/30/96	07/30/96	07/31/96		08/22/96	11	005
26476	LL4SD-049(D)-0286-SD	Explosives	07/29/96	07/30/96	07/31/96		08/21/96	11	005
	LL4SD-051(D)-0288-SD	Explosives	07/30/96	07/30/96	07/31/96		08/22/96	11	005
26476 26476	LL4SD-056(D)-0295-SD	Explosives	07/30/96	07/30/96	07/31/96		08/22/96	11	005
26476 26476	LL4SD-058(D)-0297-SD	Explosives	07/29/96	07/30/96	07/31/96		08/21/96	11	005
26476 26476	WBGSS-004-0459-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	WBGSS-005-0460-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	WBGSS-006-0461-SO	Explosives	07/30/96	07/30/96	07/31/96		08/21/96	11	005
26476	WBGSS-007-0462-SO	Explosives	07/30/96	07/30/96	07/31/96		08/22/96	11	005
26476	WBGSS-008-0463-SO	Explosives	07/30/96	07/30/96	07/31/96		08/22/96	11	005
26476	L128S-044-0356-SO	Pest/PCB	07/29/96	07/30/96	07/31/96	08/02/96	08/29/96	11	005
26476	LL1SS-010-0011-SO	Pest/PCB	07/29/96	07/30/96	07/31/96	08/02/96	08/29/96	11	005
26476	LL18S-038-0043-SO	Pest/PCB	07/30/96	07/30/96	07/31/96	08/02/96	08/27/96	11	005
26476	LL1WP-067-0436-GW	Pest/PCB	07/29/96	07/30/96	07/31/96	08/02/96	08/09/96	11	005
20470	LL4SD-051(D)-0288-SD	Pest/PCB	07/30/96	07/30/96	07/31/96	08/02/96	08/31/96	11	005
2	WBGSS-008-0463-SO	Pest/PCB	07/30/96	07/30/96	07/31/96		08/27/96	11	005
26476	L12SS-044-0356-SO	SVOC	07/29/96	07/30/96	07/31/96	08/02/96	08/15/96	11	005
26476	LL18S-010-0011-SO	SVOC		07/30/96	07/31/96	08/02/96	08/15/96	11	005
26476	LL1SS-038-0043-SO	SVOC		07/30/96	07/31/96	08/02/96	08/15/96	11	005
26476	LL1WP-067-0436-GW	SVOC		07/30/96	07/31/96	08/02/96	08/14/96	11	005
26476	LL4SD-051(D)-0288-SD WBGSS-008-0463-SO	SVOC		07/30/96	07/31/96	08/02/96	08/15/96	11	005
26476	_	SVOC		07/30/96	07/31/96	08/02/96	08/15/96	11	005
26476	L12SD-030(D)-0341-SD	TOC		07/30/96	07/31/96		08/22/96	11	005
26476	L12SD-037(D)-0348-SD	TOC		07/30/96	07/31/96		08/22/96	11	005
26476	L12SD-038(D)-0349-SD	TOC		07/30/96	07/31/96		08/22/96	11	005
26476	L12SD-039(D)-0350-SD	TOC		07/30/96	07/31/96		08/22/96	11	005
26476	LL4SD-044(D)-0278-SD	TOC		07/30/96	07/31/96		08/22/96	11	005
26476	LL4SD-044(D)-0279-FD	TOC		07/30/96	07/31/96		08/22/96	11	005
26476	LL4SD-048(D)-0283-SD	TOC		07/30/96	07/31/96		08/22/96	11	005
26476	LL4SD-049(D)-0286-SD	TOC			07/31/96		08/22/96	11	005
26476	LL4SD-051(D)-0288-SD	TOC			07/31/96		08/22/96	11	005
26476	LL4SD-056(D)-0295-SD	TOC			07/31/96		08/22/96	11	005
26476	LL4SD-058(D)-0297-SD	TOC			07/31/96	į	08/22/96	//	005
26476	L128S-044-0356-SO	VOC			07/31/96		08/08/96	//	005
26476	LI 188-010-0011-80	VOC			07/31/96	į	08/07/96	11	005
26476 26476	LL18S-038-0043-SO	VOC			07/31/96	f	08/08/96	11	005
26476	LL4SD-051(D)-0288-SD	VOC			07/31/96		08/08/96	11	005
	WBGSS-008-0463-SO	VOC			07/31/96	(08/08/96	11	005
26494	L12SD-031(D)-0342-SD	Metals (11)			08/01/96		08/22/96	11	006
26494	L12SD-054(P)-0368-SD	Metals (11)			08/01/96	(08/22/96	11	006
26494	L12SD-055(P)-0369-SD	Metals (11)			08/01/96	(08/22/96	11	006
26494	LL1SD-046(D)-0053-SD	Metals (11)			08/01/96	(08/22/96	11	006
26′	LL1SD-051(D)-0059-SD	Metals (11)			08/01/96	•	08/21/96	11	006
2 36 402	LL1SS-011-0012-SO	Metals (11)			08/01/96	(08/21/96	11	006
26494	LL1SS-014-0015-SO	Metals (11)			08/01/96	(08/21/96	11	006
26494	LL188-015-0016-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006
04/01/07									

SDG Number	Sample ID	Analysis	Date Collected	Date Shipped	Date Received	Date Extracted	Date Analyzed	Data Received	COC	
26494	LL1SS-016-0017-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494	LL1SS-016-0018-FD	Metals (11)	08/31/96	07/31/96	08/01/96		08/21/96	11	006	-
26494	LL1SS-029-0032-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494	LL1SS-029-0033-FD	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494	LL1SS-030-0034-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494	LL1SS-041(B)-0048-SO	Metais (11)	07/30/96	07/31/96	08/01/96		08/22/96	11	006	
26494	LL1SS-042(B)-0049-SO	Metals (11)	07/30/96	07/31/96	08/01/96		08/22/96	/ /	006	
26494	LL1SS-043(B)-0050-SO	Metals (11)	07/30/96	07/31/96	08/01/96		08/22/96	//	006	
26494	LL4SD-057(P)-0296-SD	Metals (11)	07/30/96	07/31/96	08/01/96		08/22/96	11	006	
26494	LL4SS-010-0240-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/22/96	11	006	
26494	LL4SS-030-0261-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/22/96 08/22/96	/	006 006	
26494	LL4SS-041(B)-0275-SO	Metals (11)	07/30/96	07/31/96	08/01/96 08/01/96		08/22/96	11	006	
26494	LL4SS-042(B)-0276-SO	Metals (11)	07/30/96	07/31/96 07/31/96	08/01/96		08/22/96	11	006	
26494	LL4SS-043(B)-0277-SO	Metals (11)	07/31/96 07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494	WBGSS-001-0456-80	Metals (11) Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494 26494	WBGSS-002-0457-SO WBGSS-003-0458-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494 26494	WBGSS-039-0496-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/22/96	11	006	
26494	WBGSS-040-0497-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/22/96	11	006	
26494	WBGSS-040-0498-FD	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494	WBGSS-041-0499-SO	Metals (11)	07/31/96	07/31/96	08/01/96		08/21/96	//	006	
26494	LL1SD-028-0031-SD	Metals (23)	07/31/96	07/31/96	08/01/96		08/21/96	11	006	
26494	LL1WP-069-0441-GW	Metals (23)	07/29/96	07/31/96	08/01/96		08/22/96	11	006	
26494	LL4SS-045-0280-SO	Metals (23)	07/31/96	07/31/96	08/01/96		08/22/96	11	006	
26494	L12SD-031(D)-0342-SD	Explosives	07/31/96	07/31/96	08/01/96		08/30/96	11	006	
26494	L12SD-054(P)-0368-SD	Explosives	07/30/96	07/31/96	08/01/96		08/30/96	11	006	
26494	L12SD-055(P)-0369-SD	Explosives	07/30/96	07/31/96	08/01/96		08/30/96	11	006	
26494	LL1SD-028-0031-SD	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	LL1SD-046(D)-0053-SD	Explosives	07/30/96	07/31/96	08/01/96		08/30/96	11	006	
26494	LL1SD-051(D)-0059-SD	Explosives	07/30/96	07/31/96	08/01/96		08/31/96	11	006	_
26494	LL1SS-011-0012-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	LL1SS-014-0015-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	LI 1SS-015-0016-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	LL1SS-016-0017-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	LL1SS-016-0018-FD	Explosives	08/31/96	07/31/96	08/01/96		08/31/96	11	006	
26446	LL1SS-027-0030-SO	Explosives	07/28/96	07/29/96	07/30/96		08/29/96	11	004	
26494		Explosives	07/28/96	07/29/96	07/30/96		08/31/96	11	004	
26494	LL1SS-029-0032-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	LL1SS-029-0033-FD	Explosives	07/31/96	07/31/96	08/01/96		08/31/96		006	
26494	LL1SS-030-0034-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	LL4SD-057(P)-0296-SD	Explosives	07/30/96	07/31/96	08/01/96		08/30/96	11	006	
26494	LL4SS-010-0240-SO	Explosives	07/31/96	07/31/96	08/01/96		08/30/96	11	006	
26494	LL4SS-030-0261-SO	Explosives	07/31/96	07/31/96	08/01/96		08/30/96	//	006	
26494	LL4SS-045-0280-SO	Explosives	07/31/96	07/31/96	08/01/96		08/30/96	11	006	
26494	WBGSS-001-0456-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	WBGSS-002-0457-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	WBGSS-003-0458-SO	Explosives	07/31/96	07/31/96	08/01/96		08/31/96	11	006	
26494	WBGSS-039-0496-SO	Explosives	07/31/96	07/31/96	08/01/96		09/05/96	1.1	006	
26494	WBGSS-040-0497-SO	Explosives	07/31/96	07/31/96	08/01/96		08/30/96	11	006	
26494	WBGSS-040-0498-FD	Explosives	07/31/96	07/31/96	08/01/96		08/30/96	11	006	
26494	WBGSS-041-0499-SO	Explosives	07/31/96	07/31/96	08/01/96		08/30/96	11	006	
26494	LL1SD-028-0031-SD	Pest/PCB	07/31/96	07/31/96	08/01/96	08/02/96	08/30/96	//	006	
26494	LL4SS-045-0280-SO	Pest/PCB	07/31/96	07/31/96	08/01/96	08/02/96	08/31/96	/ /	006	
26494	LL1SD-028-0031-SD	SVOC	07/31/96	07/31/96	08/01/96	08/02/96	08/15/96	11	006	
26494	LL4SS-045-0280-SO	SVOC	07/31/96	07/31/96	08/01/96	08/02/96	08/15/96	11	006	
26494	L12SD-031(D)-0342-SD	TOC	07/31/96	07/31/96	08/01/96		08/22/96	11	006	
26494	L12SD-054(P)-0368-SD	TOC	07/30/96	07/31/96	08/01/96		08/22/96	//	006	~
26494	L12SD-055(P)-0369-SD	TOC	07/30/96	07/31/96	08/01/96		08/22/96	/ /	006	
26494	LL1SD-046(D)-0053-SD	TOC	07/30/96	07/31/96	08/01/96		08/22/96	. / /	006	

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SDG Noonbei	r Sample ID	Analysis	Date Collected	Date Shipped	Date	Date	Date	Data	
	LL1SD-051(D)-0059-SD	TOC	07/30/96	07/31/96	Received 08/01/96	Extracted	Analyzed 08/22/96	Received	COC
2	LL4SD-057(P)-0296-SD	тос	07/30/96	07/31/96	08/01/96		08/22/96	//	006
26494	LL1SD-028-0031-SD	voc	07/31/96	07/31/96	08/01/96		08/08/96	11	006
26494	LL4SS-045-0280-SO	VOC	07/31/96	07/31/96	08/01/96		08/08/96	11	006
26544	DA2SO-001-0574-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-001-0575-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-002-0576-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-002-0577-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-003-0578-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-003-0579-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-004-0580-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-004-0581-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	DA2SO-006-0586-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-009-0464-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-010-0465-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-011-0466-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-012-0467-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	//	007
26544	WBGSS-013-0468-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-015-0470-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-020-0477-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-022-0479-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-023-0480-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-024-0481-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	WBGSS-025-0482-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	LNWTR-001-0393-SO	Metals (23)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544	LNWTR-002-0396-SO	Metals (23)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26544 2651	LNWTR-002-0397-SO	Metals (23)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26" "	WBGSS-021-0478-SO	Metals (23)	08/05/96	08/06/96	08/07/96		08/23/96	11	007
26344	DA2SO-001-0574-SO	Explosives	08/05/96	08/06/96	08/07/96		09/02/96	11	007
	DA2SO-001-0575-SO	Explosives	08/05/96	08/06/96	08/07/96		09/02/96	11	007
26544	DA2SO-002-0576-SO	Explosives	08/05/96	08/06/96	08/07/96		09/02/96	11	007
26544	DA2SO-002-0577-SO	Explosives		08/06/96	08/07/96		09/02/96	11	007
26544	DA2SO-003-0578-SO	Explosives		08/06/96	08/07/96		09/02/96	//	007
26544	DA2SO-003-0579-SO	Explosives		08/06/96	08/07/96		09/02/96	11	007
26544	DA2SO-004-0580-SO	Explosives		08/06/96	08/07/96		09/02/96	/ /	007
26544	DA2SO-004-0581-SO	Explosives		08/06/96	08/07/96		09/02/96	//	007
26544	DA2SO-006-0586-SO	Explosives		08/06/96	08/07/96		09/02/96	11	007
26544	LNWTR-001-0393-SO	Explosives		08/06/96	08/07/96		09/01/96	11	007
26544	LNWTR-002-0396-SO	Explosives		08/06/96	08/07/96		09/02/96	11	007
26544	LNWTR-002-0397-SO	Explosives			08/07/96		09/02/96	11	007
26544	WBGSS-009-0464-SO	Explosives			08/07/96		09/01/96	11	007
26544	WBGSS-010-0465-SO	Explosives			08/07/96		09/01/96	11	007
26544	WBGSS-011-0466-SO	Explosives			08/07/96		09/01/96	//	007
26544	WBGSS-012-0467-SO	Explosives			08/07/96		09/01/96	//	007
26544	WBGSS-013-0468-SO	Explosives			08/07/96		09/01/96	11	007
26544	WBGSS-015-0470-SO	Explosives			08/07/96	•	09/01/96	11	007
26544	WBGSS-020-0477-SO	Explosives			08/07/96	!	09/02/96	//	007
26544	WBGSS-021-0478-SO	Explosives			08/07/96		09/02/96	11	007
26544	WBGSS-022-0479-SO	Explosives			08/07/96	1	09/02/96	11	007
26544	WBGSS-023-0480-SO	Explosives			08/07/96		09/02/96	11	007
26544	WBGSS-024-0481-SO	Explosives			08/07/96		09/02/96	11	007
26544	WBGSS-025-0482-SO	Explosives			08/07/96		09/02/96	11	007
26544	LNWTR-001-0393-SO	Pest/PCB					08/28/96	11	007
26544	LNWTR-002-0396-SO	Pest/PCB					08/28/96	11	007
26544	LNWTR-002-0397-SO	Pest/PCB					08/28/96	11	007
2 <i>€</i>	WBGSS-021-0478-SO	Pest/PCB					08/28/96	11	007
2	LNWTR-001-0393-SO	SVOC					08/21/96	11	007
26544	LNWTR-002-0396-SO	SVOC					08/21/96	11	007
26544	LNWTR-002-0397-SO	SVOC	08/05/96	08/06/96	08/07/96 0	08/09/96	08/21/96	11	007

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SDG	ory: Southwest Laboratory (Date	Date	Date	Date	Date	Data Descived	COC	
	Sample ID	Analysis	Collected 08/05/96	Shipped 08/06/96	08/07/96	Extracted 08/09/96	Analyzed 08/21/96	Received / /	COC 007	-
26544	WBGSS-021-0478-SO	VOC VOC	08/05/96	08/06/96	08/07/96	08/07/70	08/13/96	11	007	
26544 26544	LNWTR-001-0393-SO LNWTR-002-0396-SO	VOC	08/05/96	08/06/96	08/07/96		08/13/96	11	007	
26544	LNWTR-002-0397-SO	VOC	08/05/96	08/06/96	08/07/96		08/12/96	//	007	
26544	WBGSS-021-0478-SO	VOC	08/05/96	08/06/96	08/07/96		08/12/96	11	007	
26545	DA2SO-005-0583-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-005-0584-FD	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-006-0587-SO	Metals (11)	08/05/96	08/06/96	08/07/96		08/23/96	17	007	
26545	DA2SO-007-0588-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-007-0589-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-008-0590-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-008-0591-FD	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	//	007	
26545	DA2SO-008-0593-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-017-0611-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	//	007	
26545	DA2SO-017-0612-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-018-0613-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	WBGSS-016-0471-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	WBGSS-017-0472-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	WBGSS-018-0473-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	//	007	
26545	WBGSS-019-0474-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	WBGSS-019-0475-FD	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	/ / / /	007 007	
26545	WBGSS-026-0483-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96 08/23/96	11	007	
26545	WBGSS-027-0484-SO	Metals (11)	08/06/96	08/06/96	08/07/96 08/07/96		08/23/96	11	007	
26545	WBGSS-033-0490-SO	Metals (11)	08/06/96	08/06/96 08/06/96	08/07/96		08/23/96	11	007	
26545	WBGSS-034-0491-SO	Metals (11)	08/06/96 08/06/96	08/06/96	08/07/96		08/25/96	11	007	
26545	WBGSS-035-0492-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	WBGSS-036-0493-SO	Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545 26545	WBGSS-037-0494-SO WBGSS-038-0495-SO	Metals (11) Metals (11)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-005-0582-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-003-0582-50 DA2SO-018-0614-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-003-0399-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-003-0400-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-003-0402-FD	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-004-0404-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-004-0405-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-004-0407-FD	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-005-0408-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	LNWTR-005-0409-SO	Metals (23)	08/06/96	08/06/96	08/07/96		08/23/96	11	007	
26545	DA2SO-005-0582-SO	Explosives	08/06/96	08/06/96	08/07/96		09/05/96	//	007	
26545	DA2SO-005-0583-SO	Explosives	08/06/96	08/06/96	08/07/96		09/05/96	11	007	
26545	DA2SO-005-0584-FD	Explosives	08/06/96	08/06/96	08/07/96		09/05/96	11	007	
26545	DA2SO-006-0587-SO	Explosives	08/05/96	08/06/96	08/07/96		09/05/96	11	007	
26545	DA2SO-007-0588-SO	Explosives	08/06/96	08/06/96	08/07/96		09/05/96	/ /	007	
26545	DA2SO-007-0589-SO	Explosives	08/06/96	08/06/96	08/07/96		09/05/96	//	007	
26545	DA2SO-008-0590-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	/ /	007	
26545	DA2SO-008-0591-FD	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007	
26545	DA2SO-008-0593-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007	
26545	DA2SO-017-0611-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	//	007	
26545	DA2SO-017-0612-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	/ /	007 007	
26545	DA2SO-018-0613-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	/ / / /	007	
26545	DA2SO-018-0614-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007	
26545	LNWTR-003-0399-SO	Explosives	08/06/96	08/06/96	08/07/96 08/07/96		09/05/96 09/05/96	/ /	007	
26545	LNWTR-003-0400-SO	Explosives	08/06/96	08/06/96 08/06/96	08/07/96		09/05/96	11	007	
26545	LNWTR-003-0402-FD	Explosives	08/06/96 08/06/96	08/06/96	08/07/96		09/05/96	11	007	
26545	LNWTR-004-0404-SO	Explosives	08/06/96	08/06/96	08/07/96		09/05/96	11	007	
26545 26545	LNWTR-004-0405-SO	Explosives Explosives	08/06/96	08/06/96	08/07/96		09/05/96	77	007	
26545 26545	LNWTR-004-0407-FD LNWTR-005-0408-SO	Explosives Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007	
40343	DI W I K-003-0400-00	Tyhrosives	\$5,70,70		22.27.30					

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SDG N	Sample ID	Amalania	Date	Date	Date	Date	Date	Data	
- (50)	LNWTR-005-0409-SO	Analysis Explosives	Collected 08/06/96	Shipped	Received	Extracted	Analyzed	Received	COC
20345	WBGSS-016-0471-SO	Explosives	08/06/96	08/06/96 08/06/96	08/07/96		09/07/96	7/	007
26545	WBGSS-017-0472-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	/ /	007
26545	WBGSS-018-0473-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	//	007
26545	WBGSS-019-0474-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007
26545	WBGSS-019-0475-FD	Explosives			08/07/96		09/07/96	11	007
26545	WBGSS-026-0483-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007
26545	WBGSS-027-0484-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	//	007
26545	WBGSS-033-0490-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007
26545	WBGSS-034-0491-SO	-	08/06/96	08/06/96	08/07/96		09/07/96	11	007
26545	WBGSS-035-0492-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	//	007
26545	WBGSS-036-0493-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007
26545		Explosives	08/06/96	08/06/96	08/07/96		09/07/96	<i>f f</i>	007
26545	WBGSS-037-0494-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007
	WBGSS-038-0495-SO	Explosives	08/06/96	08/06/96	08/07/96		09/07/96	11	007
26545	DA2SO-005-0582-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	DA2SO-018-0614-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-003-0399-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-003-0400-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-003-0402-FD	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-004-0404-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-004-0405-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-004-0407-FD	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-005-0408-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	LNWTR-005-0409-SO	Pest/PCB	08/06/96	08/06/96	08/07/96	08/09/96	09/04/96	11	007
26545	DA2SO-005-0582-SO	SVOC	08/06/96	08/06/96	08/07/96	08/09/96	08/21/96	11	007
26545	DA2SO-018-0614-SO	SVOC	08/06/96	08/06/96	08/07/96	08/09/96	08/21/96	11	007
26545	LNWTR-003-0399-SO	SVOC	08/06/96	08/06/96	08/07/96	08/09/96	08/21/96	11	
26515	LNWTR-003-0400-SO	SVOC	08/06/96	08/06/96	08/07/96	08/09/96		11	007
:	LNWTR-003-0402-FD	svoc	08/06/96	08/06/96	08/07/96		08/21/96		007
26545	LNWTR-004-0404-SO	SVOC	08/06/96				08/21/96	11	007
26545	LNWTR-004-0405-SO	SVOC		08/06/96	08/07/96	08/09/96	08/21/96	//	007
26545	LNWTR-004-0407-FD		08/06/96	08/06/96	08/07/96		08/21/96	11	007
26545		SVOC	08/06/96	08/06/96	08/07/96	08/09/96	08/21/96	11	007
	LNWTR-005-0408-SO	SVOC	08/06/96	08/06/96	08/07/96	08/09/96	08/21/96	11	007
26545	LNWTR-005-0409-SO	SVOC	08/06/96	08/06/96	08/07/96	08/09/96	08/21/96	11	007
26545	DA2SO-005-0582-SO	VOC	08/06/96	08/06/96	08/07/96		08/12/96	11	007
26545	DA2SO-018-0614-SO	VOC	08/06/96	08/06/96	08/07/96		08/13/96	11	007
26545	LNWTR-003-0399-SO	VOC	08/06/96	08/06/96	08/07/96		08/12/96	11	007
26545	LNWTR-003-0400-SO	VOC	08/06/96	08/06/96	08/07/96		08/12/96	11	007
26545	LNWTR-003-0402-FD	VOC	08/06/96	08/06/96	08/07/96		08/12/96	11	007
26545	LNWTR-004-0404-SO	VOC	08/06/96	08/06/96	08/07/96		08/12/96	11	007
26545	LNWTR-004-0405-SO	VOC	08/06/96	08/06/96	08/07/96		08/13/96	11	007
26545	LNWTR-004-0407-FD	VOC	08/06/96	08/06/96	08/07/96		08/13/96	11	007
26545	LNWTR-005-0408-SO	VOC	08/06/96	08/06/96	08/07/96		08/14/96	11	007
26545	LNWTR-005-0409-SO	VOC	08/06/96	08/06/96	08/07/96		08/13/96	11	007
26557	DA2SO-009-0594-SO	Metals (11)	08/06/94	08/07/96	08/08/96		08/24/96	77	008
26557	DA2SO-019-0615-SO	Metals (11)		08/07/96	08/08/96		08/2 7 /96	11	008
26557	DA2SO-019-0616-SO	Metals (11)		08/07/96	08/08/96		08/24/96	11	
26557	DA2SO-020-0617-SO	Metals (11)	08/06/96	08/07/96	08/08/96		08/24/96	11	008
26557	DA2SO-020-0618-SO	Metals (11)		08/07/96	08/08/96		08/24/96		008
26557	DA2SO-023-0623-SO	Metals (11)		08/07/96	08/08/96			11	008
26557	DA2SO-023-0624-SO	Metals (11)	08/07/96				08/24/96	11	008
26557	DA2SO-024-0625-SO	` '		08/07/96	08/08/96		08/24/96	11	008
26557		Metals (11)	08/07/96		08/08/96		08/24/96	//	008
	DA2SO-024-0626-SO	Metals (11)			08/08/96		08/24/96	11	800
26557	DA2SO-025-0627-SO	Metals (11)	08/07/96	08/07/96	08/08/96		08/24/96	/ /	008
26557	DA2SO-025-0628-FD	Metals (11)			08/08/96		08/24/96	11	800
2′	DA2SO-025-0630-SO	Metals (11)	08/07/96		08/08/96		08/24/96	//	008
	DA2SO-026-0631-SO	Metals (11)		08/07/96	08/08/96		08/24/96	//	008
26557	DA2SO-026-0632-SO	Metals (11)	08/07/96	08/07/96	08/08/96		08/24/96	//	008
26557	DA2SO-027-0633-SO	Metals (11)	08/06/96	08/07/96	08/08/96			11	008

Content	SDG	ory. Southwest Laboratory of		Date	Date	Date	Date	Date	Data		
Dig Dig					Shipped	Received	Extracted	Analyzed	Received	COC	
DASSIGN-URB-0657-FD Metals (11)			• •								
1.5557 1.5558.02-0.050-0.050 Metals (1) 0607396 0807396 0807396 0807496 0708 0807496 0			, -								
DATE DATE			* '								
165577 WINGSS 029-0486-55 Metals (11) B607796 0807796 0807896 0807496 7 008		, ,	, ,								
1967 WINGESS 2029-0486-SQ		, ,	, .								
1.5557 Wilder St. 2016 W											
1965 1968			, ,							800	
1.5557 WBGSS.04.5-1910-SC Metal. (11) 0.807796 0.807796 0.807396 0.824-96 // 0.808		= - : :	` '			08/08/96		08/24/96	11	800	
1.5557 W.BOSS-04-15-01-SO						08/08/96		08/24/96	11	008	
1.54577 WR0SS-044-050_SO			• •	08/07/96	08/07/96	08/08/96		08/24/96	11	008	
March Marc			` ,	08/07/96	08/07/96	08/08/96		08/24/96	11	800	
December December			` '	08/07/96	08/07/96	08/08/96		08/24/96	11	800	
26.557				08/06/96	08/07/96	08/08/96		08/24/96	11	800	
DAZSO-009-409-400 Explosives 08/06/96 08/07/96 08/08/96 09/08/96 // 008				08/07/96	08/07/96	08/08/96		08/24/96	11	008	
DAISO-019-0613-SO	26557	WBGSS-031-0488-SO	Metals (23)	08/07/96	08/07/96	08/08/96		08/24/96	11	008	
DAISO-019-0616-SO	26557	DA2SO-009-0594-SO	Explosives	08/06/94	08/07/96	08/08/96		09/08/96		008	
DAISO-020-0617-80 Explosives 08/06/96 08/07/96 08/08/96 09/08/96 1 008	26557	DA2SO-019-0615-SO	Explosives	08/06/96	08/07/96	08/08/96		09/08/96			
DAZSO-020-0618-SO	26557	DA2SO-019-0616-SO	Explosives	08/06/96	08/07/96	08/08/96					
DAZSO-022-0623-SO	26557	DA2SO-020-0617-SO	Explosives	08/06/96	08/07/96						
26557 DA2SO-022-0624-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-024-0625-SO Explosives 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-024-0625-SO Explosives 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-025-0638-FD Explosives 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-025-0638-FD Explosives 08/07/96 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-025-0631-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-025-0631-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-025-0631-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-027-0633-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-027-0634-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 DA2SO-028-0635-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 DA2SO-028-063-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 DA2SO-028-063-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 DA2SO-028-063-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 DA2SO-028-063-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 DA2SO-028-063-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 LNWSD-014(D)-0431-SD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-032-048-S-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-032-048-S-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-030-048-S-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-030-048-S-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-031-048-S-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557	26557	DA2SO-020-0618-SO	Explosives	08/06/96							
DA2SO-024-0625-SO	26557	DA2SO-023-0623-SO	Explosives								
DA2SO-021-0627-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 / 008	26557	DA2SO-023-0624-SO	•								
DA2SO-025-0627-SO	26557	DA2SO-024-0625-SO	•								
DA2SO-025-0628-FD	26557		•								
DAZSO-025-0630-SO			•								
26557 DAZSO-026-0631-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 // 008 02/07/96 08/07/96 08/08/96 09/09/96 // 008 02/07/96 08/08/96 09/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/09/96 // 008 02/07/96 08/08/96 09/09/96 // 008 02/07/96 08/08/96 09/09/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 // 008 02/07/96 08/08/96 09/08/96 /			-								
DAZSO-026-0632-SO											
26557 DAZSO-027-0633-SO Explosives 08/06/96 08/07/96 08/08/96 09/08/96 / / 008 26557 DAZSO-027-0634-SO Explosives 08/06/96 08/07/96 08/08/96 09/08/96 / / 008 26557 DAZSO-028-0635-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 DAZSO-028-0635-FO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 / / 008 26557 DAZSO-028-0637-FD Explosives 08/07/96 08/07/96 08/08/96 09/09/96 / / 008 26557 LNWSD-014(D)-0431-SD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 LNWSD-014(D)-0432-FD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 LNWSD-014(D)-0432-FD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-028-0485-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-029-0486-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-030-0487-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-030-0487-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-032-0488-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-032-0489-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-042-0500-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-050-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-050-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-050-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-050-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-050-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-031-048-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 2655			· .								
26557 DAZSO-027-0634-SO Explosives 08/06/96 08/07/96 08/08/96 09/08/96 / / 008 26557 DAZSO-028-0635-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 / / 008 26557 DAZSO-028-0635-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 / / 008 26557 DAZSO-028-0637-FD Explosives 08/07/96 08/07/96 08/08/96 09/09/96 / / 008 26557 DAZSO-028-0637-FD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 LNWSD-014(D)-0431-SD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 LNWSD-015(D)-0434-SD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 LNWSD-015(D)-0434-SD Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-028-0485-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-029-0486-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-031-0488-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-031-0488-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-032-0489-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 / / 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 08/09/96 09/04/96			•								
26557 DA2SO-028-0636-SO Explosives 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-028-0636-SO Explosives 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-028-0637-FD Explosives 08/07/96 08/08/96 09/09/96 // 008 26557 DA2SO-028-0637-FD Explosives 08/07/96 08/08/96 09/09/96 // 008 26557 LNWSD-014(D)-0431-SD Explosives 08/07/96 08/08/96 09/08/96 // 008 26557 LNWSD-014(D)-0432-FD Explosives 08/07/96 08/08/96 09/08/96 // 008 26557 LNWSD-015(D)-0434-SD Explosives 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-029-0486-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-029-0486-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-039-0487-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-031-0488-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-031-0488-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-031-0488-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-031-0488-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-044-0502-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-044-0502-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-044-0503-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-044-0503-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-044-0503-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 WBGSS-043-0501-SO Explosives 08/07/96 08/07/96 08/08/96 09/08/96 // 008 26557 DA2SO-027-0634-SO Pest/PCB 08/07/96 08/07/96 08/08/96 08/09/96 09/04/96 // 008 26557 DA2SO-027-0634-SO SVOC 08/06/96 08/07/96 08/08/96 08/09/96 08/09/96 09/04/96 // 008 26557 WBGSS-031-0488-SO SVOC 08/06/96 08/07/96 08/08/96 08/09/96 08/09/96 09/04/96 // 008 26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/09/96 08/09/96 // 008 26557 DA2SO-027-0634-SO VOC 08/07/96 08/07/96 08/08/96 08/09/96 08/09/96 08/09/96 // 008 26557 LNWSD-014(D)			•								
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26557 WBGSS-045-0503-SO Explosives 08/07/96 08/07/96 08/08/96 09/09/96 / / 008 26557 DA2SO-027-0634-SO Pest/PCB 08/06/96 08/07/96 08/08/96 08/09/96 09/04/96 / / 008 26557 LNWSD-015(D)-0434-SD Pest/PCB 08/07/96 08/07/96 08/09/96 09/04/96 / / 008 26557 WBGSS-031-0488-SO Pest/PCB 08/07/96 08/07/96 08/09/96 09/04/96 / / 008 26557 DA2SO-027-0634-SO SVOC 08/06/96 08/07/96 08/08/96 08/09/96 09/04/96 / / 008 26557 LNWSD-015(D)-0434-SD SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/08/96 08/22/96 / / 008 26557 LNWSD-015(D)-0434-SD			•	08/07/96	08/07/96	08/08/96		09/09/96	11	008	
26557 DA2SO-027-0634-SO Pest/PCB 08/06/96 08/07/96 08/08/96 08/09/96 09/04/96 / / 008 26557 LNWSD-015(D)-0434-SD Pest/PCB 08/07/96 08/07/96 08/08/96 08/09/96 09/04/96 / / 008 26557 WBGSS-031-0488-SO Pest/PCB 08/07/96 08/07/96 08/08/96 08/09/96 09/04/96 / / 008 26557 DA2SO-027-0634-SO SVOC 08/06/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-015(D)-0434-SD SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/08/96 08/22/96 / / 008 26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/08/96 08/02/96 / / 008			•	08/07/96	08/07/96	08/08/96		09/09/96	11	008	
26557 LNWSD-015(D)-0434-SD Pest/PCB 08/07/96 08/07/96 08/08/96 08/09/96 09/04/96 / / 008 26557 WBGSS-031-0488-SO Pest/PCB 08/07/96 08/07/96 08/08/96 08/09/96 09/04/96 / / 008 26557 DA2SO-027-0634-SO SVOC 08/06/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-015(D)-0434-SD SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/02/96 / / 008 26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/02/96 / / 008 26557 DA2SO-027-0634-SO VOC 08/06/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD			•	08/06/96	08/07/96	08/08/96	08/09/96	09/04/96	11	800	
26557 WBGSS-031-0488-SO Pest/PCB 08/07/96 08/07/96 08/08/96 09/04/96 / / 008 26557 DA2SO-027-0634-SO SVOC 08/06/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-015(D)-0434-SD SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/08/96 / / 008 26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/02/96 / / 008 26557 DA2SO-027-0634-SO VOC 08/06/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 0			Pest/PCB	08/07/96	08/07/96	08/08/96	08/09/96	09/04/96	11	008	
26557 DA2SO-027-0634-SO SVOC 08/06/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-015(D)-0434-SD SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/02/96 / / 008 26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 DA2SO-027-0634-SO VOC 08/06/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008		` '	Pest/PCB	08/07/96	08/07/96	08/08/96	08/09/96	09/04/96	11	008	
26557 LNWSD-015(D)-0434-SD SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 DA2SO-027-0634-SO VOC 08/06/96 08/07/96 08/08/96 08/08/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008		DA2SO-027-0634-SO	SVOC	08/06/96	08/07/96	08/08/96	08/09/96	08/23/96	11	008	
26557 WBGSS-031-0488-SO SVOC 08/07/96 08/07/96 08/08/96 08/09/96 08/23/96 / / 008 26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 LNWSD-014(D)-0432-FD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008 26557 DA2SO-027-0634-SO VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008		LNWSD-015(D)-0434-SD	SVOC	08/07/96	08/07/96	08/08/96	08/09/96	08/23/96	11		
26557 LNWSD-014(D)-0431-SD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 LNWSD-014(D)-0432-FD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/22/96 / / 008 26557 DA2SO-027-0634-SO VOC 08/06/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008		• •		08/07/96	08/07/96	08/08/96	08/09/96				
26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/22/96 // 008 26557 DA2SO-027-0634-SO VOC 08/06/96 08/07/96 08/08/96 08/09/96 // 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 // 008		LNWSD-014(D)-0431-SD	TOC	08/07/96	08/07/96						
26557 LNWSD-015(D)-0434-SD TOC 08/07/96 08/07/96 08/08/96 08/02/96 / / 008 26557 DA2SO-027-0634-SO VOC 08/06/96 08/07/96 08/08/96 08/09/96 / / 008 26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 / / 008	26557	LNWSD-014(D)-0432-FD	TOC	08/07/96		08/08/96					
26557 LNWSD-015(D)-0434-SD VOC 08/07/96 08/07/96 08/08/96 08/09/96 // 008		LNWSD-015(D)-0434-SD	TOC		08/07/96						
20337 ENWSD-013(D)-013-02	26557	DA2SO-027-0634-SO	VOC								
26557 WBGSS-031-0488-SO VOC 08/07/96 08/07/96 08/08/96 08/09/96 / 008	26557	LNWSD-015(D)-0434-SD		08/07/96							
	26557	WBGSS-031-0488-SO	VOC	08/07/96	08/07/96	08/08/96	···	08/09/96	11	008	

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SDG Number	Sample ID	Analysis	Date Collected	Date	Date	Date	Date	Data	
•	DA2SD-032(D)-0644-SD	Metals (11)	O8/08/96	Shipped 08/08/96	Received 08/09/96	Extracted	Analyzed	Received	COC
200	DA2SD-032(D)-0645-FD	Metals (11)	08/08/96	08/08/96	08/09/96		08/26/96 08/26/96	11	009
26570	DA2SD-033(D)-0647-SD	Metals (11)	08/08/96	08/08/96	08/09/96		08/26/96	/ / / /	009 009
26570	DA2SO-012-0601-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	11	009
26570	DA2SO-012-0602-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/27/96	11	009
26570	DA2SO-013-0603-SO	Metals (11)	08/08/96	08/08/96	08/09/96		08/27/96	11	009
26570	DA2SO-013-0604-SO	Metals (11)	08/08/96	08/08/96	08/09/96		08/27/96	11	009
26570	DA2SO-014-0605-SO	Metals (11)	08/08/96	08/08/96	08/09/96		08/27/96	11	009
26570	DA2SO-014-0606-SO	Metals (11)	08/08/96	08/08/96	08/09/96		08/27/96	11	009
26570	DA2SO-015-0607-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/27/96	11	009
26570 26570	DA2SO-015-0608-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/27/96	11	009
26570 26570	DA2SO-016-0609-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	11	009
26570	DA2SO-016-0610-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	11	009
26570	DA2SO-021-0619-SO DA2SO-021-0620-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	11	009
26570	DA2SO-021-0620-SO DA2SO-022-0621-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	11	009
26570	DA2SO-022-0621-SO DA2SO-022-0622-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	11	009
26570	DA2SO-029-0638-SO	Metals (11) Metals (11)	08/07/96	08/08/96 08/08/96	08/09/96		08/26/96	//	009
26570	DA2SO-029-0639-SO	Metals (11)	08/07/96 08/07/96		08/09/96		08/24/96	11	009
26570	DA2SO-030-0640-SO	Metals (11)	08/07/96	08/08/96 08/08/96	08/09/96		08/24/96	11	009
26570	DA2SO-030-0641-FD	Metals (11)	08/07/96	08/08/96	08/09/96		08/24/96	//	009
26570	DA2SO-030-0642-SO	Metais (11)	08/07/96	08/08/96	08/09/96 08/09/96		08/24/96	//	009
26570	LL2SS-023-0113-SO	Metals (11)	08/08/96	08/08/96	08/09/96		08/24/96	//	009
26570	LL2SS-024-0115-SO	Metals (11)	08/08/96	08/08/96	08/09/96		08/26/96 08/26/96	/ / / /	009
26570	LNWSD-011(D)-0428-SD	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96 08/26/96	11	009
26570	LNWSD-012(D)-0429-SD	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	//	009 009
26570	LNWSD-013(D)-0430-SD	Metals (11)	08/07/96	08/08/96	08/09/96		08/26/96	11	009
26570	WBGSS-046-0504-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/24/96	11	009
:	WBGSS-047-0505-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/24/96	11	009
2	WBGSS-048-0506-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/24/96	11	009
26570	WBGSS-049-0507-SO	Metals (11)	08/07/96	08/08/96	08/09/96		08/24/96	11	009
26570	WBGSS-050-0508-SO	Metals (11)	08/07/96	08/08/96	08/09/96)8/24/96	11	009
26570	WBGSS-052-0512-SO	Metals (11)	08/07/96	08/08/96	08/09/96		8/26/96	11	009
26570	WBGSS-054-0514-SO	Metals (11)	08/08/96	08/08/96	08/09/96	(08/26/96	11	009
26570	WBGSS-055-0515-SO	Metals (11)	08/08/96	08/08/96	08/09/96	(8/26/96	//	009
26570	WaGSS-056-0516-SO	Metals (11)	08/08/96	08/08/96	08/09/96	(8/26/96	11	009
26570	WBGSS-057-0517-SO	Metals (11)	08/07/96	08/08/96	08/09/96	0	8/26/96	11	009
26570	WBGSS-058-0520-SO	Metals (11)	08/07/96	08/08/96	08/09/96	0	8/26/96	11	009
26570	WBGSS-059-0518-FD	Metals (11)	08/08/96	08/08/96	08/09/96	C	8/26/96	11	009
26570	WBGSS-059-0521-SO	Metals (11)	08/08/96	08/08/96	08/09/96	0	8/26/96	11	009
26570	WBGSS-060-0522-SO	Metals (11)	08/08/96	08/08/96	08/09/96	0	8/26/96	11	009
26570	WBGSS-061-0523-SO	Metals (11)	08/08/96	08/08/96	08/09/96	0	8/26/96	11	009
26570	WBGSS-062-0524-SO	Metals (11)	08/08/96	08/08/96	08/09/96	0	8/26/96	11	009
26570	WBGSS-063-0525-SO	Metals (11)	08/07/96	08/08/96	08/09/96	0	8/26/96	11	009
26570 26570	WBGSS-064-0526-SO	Metals (11)	08/07/96	08/08/96	08/09/96	0	8/26/96	11	009
26570	DA2SD-031(D)-0634-SD	Metals (23)	08/08/96	08/08/96	08/09/96		8/26/96	11	009
26570	LL2SS-025-0116-SO LL2SS-026-0117-SO	Metals (23)	08/08/96	08/08/96	08/09/96		8/26/96	11	009
26570	LL2SS-027-0118-SO	Metals (23)		08/08/96	08/09/96		8/26/96	11	009
26570	WBGSS-051-0509-SO	Metals (23)		08/08/96	08/09/96		8/26/96	//	009
26570	WBGSS-051-0510-FD	Metals (23) Metals (23)		08/08/96	08/09/96		8/26/96	//	009
26570	DA2SD-031(D)-0634-SD	Explosives		08/08/96	08/09/96		8/26/96	11	009
26570	DA2SD-031(D)-0644-SD	Explosives Explosives		08/08/96	08/09/96		9/12/96	11	009
26570	DA2SD-032(D)-0645-FD	Explosives Explosives		08/08/96 08/08/96	08/09/96		9/12/96	//	009
	DA2SD-032(D)-0647-SD	Explosives			08/09/96 08/09/96		9/13/96	//	009
26570	DA2SO-012-0601-SO	Explosives		08/08/96	08/09/96		9/13/96	11	009
2	DA2SO-012-0602-SO	Explosives Explosives			08/09/96		9/11/96 9/11/96	11	009
26570	DA2SO-013-0603-SO	Explosives		08/08/96	08/09/96		9/11/96 9/13/96	/	009
26570	DA2SO-013-0604-SO	Explosives			08/09/96		9/13/96 9/13/96	11	009
			VV/VV/70	20,00,70	JG/J//JU		21 1317U	1 1	009

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SDG		, <u>.</u>	Date	Date	Date	Date	Date	Data		
Number	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	=
26570	DA2SO-014-0605-SO	Explosives	08/08/96	08/08/96	08/09/96		09/13/96	//	009	
2657 0	DA2SO-014-0606-SO	Explosives	08/08/96	08/08/96	08/09/96		09/13/96	11	009	
26570	DA2SO-015-0607-SO	Explosives	08/07/96	08/08/96	08/09/96		09/11/96	/	009 009	
26570	DA2SO-015-0608-SO	Explosives	08/07/96	08/08/96	08/09/96		09/11/96	11	009	
26570	DA2SO-016-0609-SO	Explosives	08/07/96 08/07/96	08/08/96 08/08/96	08/09/96 08/09/96		09/11/96 09/11/96	11	009	
26570	DA2SO-016-0610-SO	Explosives Explosives	08/07/96	08/08/96	08/09/96		09/11/96	11	009	
26570 26570	DA2SO-021-0619-SO DA2SO-021-0620-SO	Explosives Explosives	08/07/96	08/08/96	08/09/96		09/11/96	11	009	
26570	DA2SO-021-0620-SO DA2SO-022-0621-SO	Explosives	08/07/96	08/08/96	08/09/96		09/11/96	11	009	
26570	DA2SO-022-0622-SO	Explosives	08/07/96	08/08/96	08/09/96		09/11/96	11	009	
26570	DA2SO-029-0638-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	DA2SO-029-0639-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	DA2SO-030-0640-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	DA2SO-030-0641-FD	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	DA2SO-030-0642-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	LL2SS-023-0113-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	11	009	
26570	LL2SS-024-0115-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	//	009	
26570	LL2SS-025-0116-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	11	009	
26570	LL2SS-026-0117-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	11	009	
26570	LL2SS-027-0118-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	//	009	
26570	LNWSD-011(D)-0428-SD	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	LNWSD-012(D)-0429-SD	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	LNWSD-013(D)-0430-SD	Explosives	08/07/96	08/08/96	08/09/96		09/11/96	11	009	
26570	WBGSS-046-0504-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-047-0505-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-048-0506-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-049-0507-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-050-0508-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-051-0509-SO	Explosives	08/08/96	08/08/96	08/09/96		09/11/96	11	009	
26570	WBGSS-051-0510-FD	Explosives	08/08/96	08/08/96	08/09/96		09/11/96	//	009	_
26570	WBGSS-052-0512-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-054-0514-SO	Explosives	08/08/96	08/08/96	08/09/96		09/11/96	11	009	
26570	WBGSS-055-0515-SO	Explosives	08/08/96	08/08/96	08/09/96		09/11/96	11	009	
26570	WBGSS-056-0516-SO	Explosives	08/08/96	08/08/96	08/09/96		09/11/96	11	009	
26570	WBGSS-057-0517-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-058-0520-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-059-0518-FD	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	11	009	
26570	WBGSS-059-0521-SO	Explosives	08/08/96	08/08/96	08/09/96		09/11/96	11	009	
26570	WBGSS-060-0522-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	11	009	
26570	WBGSS-061-0523-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	11	009	
26570	WBGSS-062-0524-SO	Explosives	08/08/96	08/08/96	08/09/96		09/12/96	11	009	
26570	WBGSS-063-0525-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	WBGSS-064-0526-SO	Explosives	08/07/96	08/08/96	08/09/96		09/10/96	11	009	
26570	DA2SD-031(D)-0634-SD	Pest/PCB	08/08/96	08/08/96	08/09/96	08/10/96	09/04/96	11	009	
2657 0	LL2SS-025-0116-SO	Pest/PCB	08/08/96	08/08/96	08/09/96	08/10/96	09/04/96	11	009	
26570	LL2SS-026-0117-SO	Pest/PCB	08/08/96	08/08/96	08/09/96	08/10/96	09/04/96	11	009	
26570	LL2SS-027-0118-SO	Pest/PCB	08/08/96	08/08/96	08/09/96	08/10/96	09/04/96	11	009	
26570	WBGSS-051-0509-SO	Pest/PCB	08/08/96	08/08/96	08/09/96	08/10/96	09/04/96	11	009	
26570	WBGSS-051-0510-FD	Pest/PCB	08/08/96	08/08/96	08/09/96	08/10/96	09/04/96	11	009	
26570	DA2SD-031(D)-0634-SD	SVOC	08/08/96	08/08/96	08/09/96	08/10/96	08/19/96	11	009	
26570	LL2SS-025-0116-SO	SVOC	08/08/96	08/08/96	08/09/96	08/10/96	08/19/96	11	009	
26570	LL2SS-026-0117-SO	SVOC	08/08/96	08/08/96	08/09/96	08/10/96	08/19/96	11	009	
26570	LL2SS-027-0118-SO	SVOC	08/08/96	08/08/96	08/09/96	08/10/96	08/20/96	11	009	
26570	WBGSS-051-0509-SO	SVOC	08/08/96	08/08/96	08/09/96	08/10/96	08/19/96	11	009	
26570	WBGSS-051-0510-FD	SVOC	08/08/96	08/08/96	08/09/96	08/10/96	08/19/96	11	009	
26570	DA2SD-032(D)-0644-SD	TOC	08/08/96	08/08/96	08/09/96		08/22/96	11	009	
26570	DA2SD-032(D)-0645-FD	TOC	08/08/96	08/08/96	08/09/96		08/22/96	11	009	
26570	DA2SD-033(D)-0647-SD	TOC	08/08/96	08/08/96	08/09/96		08/22/96	11	009	
26570	LNWSD-011(D)-0428-SD	TOC	08/07/96	08/08/96	08/09/96		08/22/96	/ /	009	

SDG	Sample ID	A I	Date	Date	Date	Date	Date	Data	
·	LNWSD-012(D)-0429-SD	Analysis TOC	Collected 08/07/96	Shipped	Received	Extracted	Analyzed	Received	COC
205/0	LNWSD-013(D)-0430-SD	TOC	08/07/96	08/08/96 08/08/96	08/09/96 08/09/96		08/22/96	//	009
26570	DA2SD-031(D)-0634-SD	VOC	08/08/96	08/08/96	08/09/96		08/22/96 08/14/96	/	009
26570	LL2SS-025-0116-SO	VOC	08/08/96	08/08/96	08/09/96		08/14/96	11	009
26570	LL2SS-026-0117-SO	VOC	08/08/96	08/08/96	08/09/96		08/14/96	11	009 009
26570	LL23S-027-0118-SO	VOC	08/08/96	08/08/96	08/09/96		08/15/96	11	009
26570	WBGSS-051-0509-SO	VOC	08/08/96	08/08/96	08/09/96		08/13/96	11	009
26570	WBGSS-051-0510-FD	VOC	08/08/96	08/08/96	08/09/96		08/13/96	11	009
26591	DA2SO-010-0596-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	DA2SO-010-0597-FD	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	DA2SO-010-0598-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	DA2SO-011-0599-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	DA2SO-011-0600-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	LL1SD-048(D)-0055-SD	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	LL2SS-028-0119-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	LL2SS-028-0120-FD	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	//	010
26591	LL2SS-029-0121-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	LL2SS-032-0124-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	LL2SS-033-0125-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	LL2SS-034-0126-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	LL2SS-034-0127-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	LL2SS-035-0128-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	LL2SS-036-0129-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	LL2SS-037-0130-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	LL2SS-042(B)-0136-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	WBGSS-014-0469-SO	Metals (11)	08/08/96	08/09/96	08/10/96		08/25/96	/ /	010
26591	WBGSS-065-0527-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
20001	WBGSS-067-0529-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
>	WBGSS-067-0530-FD	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	WBGSS-068-0532-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591 26591	WBGSS-069-0533-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	WBGSS-070-0534-SO WBGSS-071-0535-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	//	010
26591	WBGSS-071-0535-80 WBGSS-073-0537-80	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	WBGSS-074-0538-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	WBGSS-075-0539-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	//	010
26591	WBGSS-075-0540-FD	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	//	010
26591	LL1SS-044-0051-SO	Metals (11)	08/09/96	08/09/96	08/10/96		08/27/96	11	010
26591	LL2SS-031-0123-SO	Metals (23) Metals (23)	08/08/96 08/09/96	08/09/96	08/10/96		08/25/96	11	010
26591	WBGSS-066-0528-SO	Metals (23)	08/09/96	08/09/96 08/09/96	08/10/96		08/25/96	11	010
26591	WBGSS-000-0528-SO WBGSS-072-0536-SO	Metals (23)	08/09/96	08/09/96	08/10/96 08/10/96		08/25/96	11	010
26591	WBGSS-076-0541-SO	Metals (23)	08/09/96	08/09/96	08/10/96		08/27/96 08/27/96	/	010
26591	DA2SO-010-0596-SO	Explosives	08/09/96	08/09/96	08/10/96		09/13/96	11	010 010
26591	DA2SO-010-0597-FD	Explosives	08/09/96	08/09/96	08/10/96		09/13/96 09/27/96*(48)	11	010
26591	DA2SO-010-0598-SO	Explosives	08/09/96	08/09/96	08/10/96		09/13/96	11	010
26591	DA2SO-011-0599-SO	Explosives	08/09/96	08/09/96	08/10/96		09/13/96	11	010
26591	DA2SO-011-0600-SO	Explosives	08/09/96	08/09/96	08/10/96		09/13/96	11	010
	LL1SD-048(D)-0055-SD	Explosives	08/09/96	08/09/96	08/10/96		09/13/96	11	010
26591	LL1SS-044-0051-SO	Explosives	08/08/96	08/09/96	08/10/96		09/14/96	11	010
	LL2SS-028-0119-SO	Explosives	08/09/96	08/09/96	08/10/96		09/13/96	11	010
26591	LL2SS-028-0120-FD	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
	LL2SS-029-0121-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
26591	LL2SS-031-0123-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
	LL2SS-032-0124-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
26591	LL2SS-033-0125-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
?	LL2SS-034-0126-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
× .	LL2SS-034-0127-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
26591	LL2SS-035-0128-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010
26 591	LL2SS-036-0129-SO	Explosives	08/09/96	08/09/96	08/10/96	+	09/14/96	11	010

Laboratory: Southwest Laboratory of Oklahoma, I

SDG		,	Date	Date	Date	Date	Date	Data		
	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	
26591	LL2SS-037-0130-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	//	010	
26591	WBGSS-014-0469-SO	Explosives	08/08/96	08/09/96	08/10/96		09/13/96	//	010	
265 91	WBGSS-065-0527-SO	Explosives	08/09/96	08/09/96	08/10/96		09/13/96 09/13/96	/	010 010	
26591	WBGSS-066-0528-SO	Explosives	08/09/96	08/09/96 08/09/96	08/10/96 08/10/96		09/13/96	11	010	
26591	WBGSS-067-0529-SO	Explosives	08/09/96 08/09/96	08/09/96	08/10/96		09/13/96	11	010	
26591 26501	WBGSS-067-0530-FD	Explosives	08/09/96	08/09/96	08/10/96		09/13/96	11	010	
26591	WBGSS-068-0532-SO	Explosives	08/09/96	08/09/96	08/10/96		09/30/96*(51)	11	010	
26591	WBGSS-069-0533-SO WBGSS-070-0534-SO	Explosives Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010	
26591 26591	WBGSS-071-0535-SO	Explosives Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010	
26591	WBGSS-071-0535-SO WBGSS-072-0536-SO	Explosives Explosives	08/09/96	08/09/96	08/10/96		09/14/96	//	010	
26591	WBGSS-072-0536-SO WBGSS-073-0537-SO	Explosives Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010	
26591	WBGSS-074-0538-SO	Explosives	08/09/96	08/09/96	08/10/96		09/17/96	//	010	
26591	WBGSS-074-0538-SO WBGSS-075-0539-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010	
26591	WBGSS-075-0540-FD	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	11	010	
26591	WBGSS-076-0541-SO	Explosives	08/09/96	08/09/96	08/10/96		09/14/96	//	010	
26591	LL1SS-044-0051-SO	Pest/PCB	08/08/96	08/09/96	08/10/96	08/14/96	09/11/96	11	010	
26591	LL2SS-031-0123-SO	Pest/PCB	08/09/96	08/09/96	08/10/96	08/14/96	09/11/96	11	010	
26591	WBGSS-066-0528-SO	Pest/PCB	08/09/96	08/09/96	08/10/96	08/14/96	09/11/96	11	010	
26591	WBGSS-072-0536-SO	Pest/PCB	08/09/96	08/09/96	08/10/96	08/14/96	09/11/96	11	010	
26591	WBGSS-076-0541-SO	Pest/PCB	08/09/96	08/09/96	08/10/96	08/14/96	09/11/96	11	010	
26591	LL1SS-044-0051-SO	svoc	08/08/96	08/09/96	08/10/96	08/14/96	08/26/96	11	010	
26591	LL2SS-031-0123-SO	SVOC	08/09/96	08/09/96	08/10/96	08/14/96	08/27/96	11	010	
26591	WBGSS-066-0528-SO	svoc	08/09/96	08/09/96	08/10/96	08/14/96	08/27/96	11	010	
26591	WBGSS-072-0536-SO	SVOC	08/09/96	08/09/96	08/10/96	08/14/96	08/27/96	11	010	
26591	WBGSS-076-0541-SO	SVOC	08/09/96	08/09/96	08/10/96	08/14/96	08/27/96	11	010	
26591	LL1SD-048(D)-0055-SD	TOC	08/09/96	08/09/96	08/10/96		08/22/96	11	010	
26591	LL1SS-044-0051-SO	VOC	08/08/96	08/09/96	08/10/96		08/15/96	11	010	
26591	LL2SS-031-0123-SO	voc	08/09/96	08/09/96	08/10/96		08/15/96	11	010	
26591	WBGSS-066-0528-SO	VOC	08/09/96	08/09/96	08/10/96		08/15/96	11	010	
26591	WBGSS-072-0536-SO	VOC	08/09/96	08/09/96	08/10/96		08/15/96	11	010	
26591	WBGSS-076-0541-SO	VOC	08/09/96	08/09/96	08/10/96		08/14/96	11	010	
26604	LL1SD-053(P)-0061-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
26604	LL1SD-054(P)-0062-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
26604	LL1SD-055(P)-0063-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
26604	LL2SS-002-0089-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
26604	LL2SS-003-0090-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
2 6604	LL2SS-004-0091-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
266 04	LL2SS-005-0092-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
26604	LL2SS-006-0093-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
26604	LL2SS-007-0094-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	LL2SS-020-0110-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	LL2SS-021-0111-SO	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-078-0543-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-079-0544-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-081-0546-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-082-0547-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-084-0549-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	//	011	
26604	WBGSD-084-0550-FD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-085-0551-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-086-0552-SD	Metals (11)	08/11/96	08/12/96	08/13/96		09/05/96	11	011	
26604	WBGSD-087-0553-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-088-0554-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	//	011	
26604	WBGSD-088-0555-FD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	//	011	
26604	WBGSD-089-0556-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
266 04	WBGSD-090-0557-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
2 6604	WBGSD-080-0545-SD	Metals (23)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	WBGSD-083-0548-SD	Metals (23)	08/11/96	08/12/96	08/13/96		08/26/96	11	011	
26604	LL1SD-053(P)-0061-SD	Explosives	08/11/96	08/12/96	08/13/96		09/18/96	11	011	

SDG _Number	Sample ID	Analysis	Date Collected	Date Shipped	Date Received	Date Extracted	Date Analyzed	Data Received	COC
•	LL1SD-054(P)-0062-SD	Explosives	08/11/96	08/12/96	08/13/96	Dantetta	09/18/96	-//	011
2	LL1SD-055(P)-0063-SD	Explosives	08/11/96	08/12/96	08/13/96		09/18/96	11	011
26604	LL2SS-002-0089-SO	Explosives	08/11/96	08/12/96	08/13/96		09/18/96	11	011
26604	LL2SS-003-0090-SO	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	11	011
26604	LL2SS-004-0091-SO	Explosives	08/11/96	08/12/96	08/13/96		09/18/96	11	011
26604	LL2SS-005-0092-SO	Explosives	08/11/96	08/12/96	08/13/96		09/18/96	11	011
26604	LL2SS-006-0093-SO	Explosives	08/11/96	08/12/96	08/13/96		09/18/96	//	011
26604	LL2SS-007-0094-SO	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	11	011
26604 26604	LL2SS-020-0110-SO	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	1.1	011
26604	LL2SS-021-0111-SO WBGSD-078-0543-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	//	011
26604	WBGSD-078-0544-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	11	011
26604	WBGSD-079-0544-SD WBGSD-080-0545-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	//	011
26604	WBGSD-080-0545-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	11	011
26604	WBGSD-081-0540-SD WBGSD-082-0547-SD	Explosives Explosives	08/11/96	08/12/96	08/13/96		09/17/96	11	011
26604	WBGSD-083-0548-SD	Explosives Explosives	08/11/96	08/12/96	08/13/96		09/17/96	11	011
26604	WBGSD-084-0549-SD	Explosives Explosives	08/11/96 08/11/96	08/12/96	08/13/96		09/17/96	//	011
26604	WBGSD-084-0550-FD	Explosives Explosives	08/11/96	08/12/96	08/13/96		09/17/96	//	011
26604	WBGSD-085-0551-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	//	011
26604	WBGSD-086-0552-SD	Explosives Explosives	08/11/96	08/12/96 08/12/96	08/13/96 08/13/96		09/17/96	//	011
26604	WBGSD-087-0553-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	//	011
26604	WBGSD-088-0554-SD	Explosives	08/11/96	08/12/96			09/17/96	//	011
26604	WBGSD-088-0555-FD	Explosives	08/11/96	08/12/96	08/13/96 08/13/96		09/17/96	//	011
26604	WBGSD-089-0556-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	/ /	011
26604	WBGSD-090-0557-SD	Explosives	08/11/96	08/12/96	08/13/96		09/17/96	//	011
26604	WBGSD-080-0545-SD	Pest/PCB	08/11/96	08/12/96	08/13/96	00/14/06	09/17/96	//	011
26604	WBGSD-083-0548-SD	Pest/PCB	08/11/96	08/12/96	08/13/96	08/14/96	09/09/96	/ /	011
26404	WBGSD-080-0545-SD	SVOC	08/11/96	08/12/96		08/14/96	09/09/96	/ /	011
	WBGSD-083-0548-SD	SVOC	08/11/96	08/12/96	08/13/96 08/13/96	08/14/96	08/27/96	//	011
20004	LL1SD-053(P)-0061-SD	TOC	08/11/96	08/12/96	08/13/96	08/14/96	08/28/96	//	011
26604	LL1SD-054(P)-0062-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	/	011
26604	LL1SD-055(P)-0063-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96 08/26/96	11	011
26604	WBGSD-078-0543-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-079-0544-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-081-0546-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-082-0547-SD	тос	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-083-0548-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-084-0549-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-085-0551-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-086-0552-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-087-0553-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011 011
26604	WBGSD-088-0554-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-089-0556-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-090-0557-SD	TOC	08/11/96	08/12/96	08/13/96		08/26/96	11	011
26604	WBGSD-080-0545-SD	voc	08/11/96	08/12/96	08/13/96		08/15/96	11	011
26604	WBGSD-083-0548-SD	VOC	08/11/96	08/12/96	08/13/96		08/16/96	11	011
26605	LL1SD-047(D)-0054-SD	Metals (11)	08/09/96	08/12/96	08/13/96		08/27/96	11	011
26605	LL1SD-050(D)-0058-SD	Metals (11)	08/10/96	08/12/96	08/13/96		08/27/96	11	011
26605	LL1SD-052(D)-0060-SD	Metals (11)	08/09/96	08/12/96	08/13/96		08/27/96	11	011
26605	LL1SD-058(P)-0068-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/30/96	//	011
26605	LL1SD-059(P)-0069-SD	Metals (11)		08/12/96	08/13/96		08/30/96	11	011
26605	LL1SD-060(P)-0070-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/30/96	11	011
	LL1SD-061(P)-0071-SD	Metals (11)	08/11/96	08/12/96	08/13/96		08/30/96	11	011
26605	LL1SD-062(P)-0072-SD	Metals (11)		08/12/96	08/13/96		08/30/96	11	011
26605	LL1SD-070(D)-0561-SD	Metals (11)		08/12/96	08/13/96		08/27/96	11	011
2	LL1SS-013-0014-SO	Metals (11)		08/12/96	08/13/96		08/27/96	11	011
Â	LL2SS-001-0087-SO	Metals (11)		08/12/96	08/13/96		08/30/96	11	011
26605	LL2SS-001-0088-FD	Metals (11)		08/12/96	08/13/96		08/30/96	11	011
26605	LL2SS-017-0105-SO	Metals (11)	08/10/96	08/12/96	08/13/96		08/27/96	11	011
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Laboratory: Southwest Laboratory of Oklahoma, I

SDG	ij. Suddinest Emboratory of		Date	Date	Date	Date	Date	Data		
	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	_
26605	LL2SS-017-0106-FD	Metals (11)	08/10/96	08/12/96	08/13/96		08/27/96	//	011	
26605	LL2SS-018-0107-SO	Metals (11)	08/10/96	08/12/96	08/13/96		08/27/96 08/30/96	/ /	011 011	
26605	LL2SS-038-0131-SO	Metals (11)	08/10/96 08/10/96	08/12/96 08/12/96	08/13/96 08/13/96		08/30/96	/ / / /	011	
26605 26605	LL288-039-0132-80	Metals (11)	08/10/96	08/12/96	08/13/96		08/30/96	11	011	
26605	LL2SS-041(B)-0135-SO LL1SS-068-0559-SO	Metals (11)	08/10/96	08/12/96	08/13/96		08/27/96	11	011	
26605	LL1SS-069-0562-SO	Metals (23) Metals (23)	08/10/96	08/12/96	08/13/96		08/27/96	11	011	
26605	LL2SD-030(D)-0122-SD	Metals (23)	08/10/96	08/12/96	08/13/96		08/30/96	11	011	
26605	LL2SS-008-0095-SO	Metals (23)	08/10/96	08/12/96	08/13/96		08/27/96	11	011	
26605	LL2SS-019-0108-SO	Metals (23)	08/10/96	08/12/96	08/13/96		08/27/96	11	011	
26605	LL2SS-019-0109-FD	Metals (23)	08/10/96	08/12/96	08/13/96		08/30/96	11	011	
26605	LL2SS-043-0137-SO	Metals (23)	08/10/96	08/12/96	08/13/96		08/30/96	//	011	
26605	LL1SD-047(D)-0054-SD	Explosives	08/09/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL1SD-050(D)-0058-SD	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL1SD-052(D)-0060-SD	Explosives	08/09/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL1SD-058(P)-0068-SD	Explosives	08/11/96	08/12/96	08/13/96		09/01/96	//	011	
26605	LL1SD-059(P)-0069-SD	Explosives	08/11/96	08/12/96	08/13/96		09/01/96	//	011	
26605	LL1SD-060(P)-0070-SD	Explosives	08/11/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL1SD-061(P)-0071-SD	Explosives	08/11/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL1SD-062(P)-0072-SD	Explosives	08/11/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL1SD-070(D)-0561-SD	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL1SS-013-0014-SO	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	//	011	
26605	LL1SS-045-0052-SO	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL1SS-068-0559-SO	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL1SS-069-0562-SO	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL2SD-030(D)-0122-SD	Explosives	08/10/96	08/12/96	08/13/96		09/01/96	//	011	
26605	LL2SS-001-0087-SO	Explosives	08/11/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL2SS-001-0088-FD	Explosives	08/11/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL2SS-008-0095-SO	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL2SS-017-0105-SO	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	11	011	
26605	LL2SS-017-0106-FD	Explosives	08/10/96	08/12/96	08/13/96		08/31/96	//	011	
26605	LL2SS-018-0107-SO	Explosives	08/10/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL2SS-019-0108-SO	Explosives	08/10/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL2SS-019-0109-FD	Explosives	08/10/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL2SS-038-0131-SO	Explosives	08/10/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL2SS-039-0132-SO	Explosives	08/10/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL2SS-043-0137-SO	Explosives	08/10/96	08/12/96	08/13/96		09/01/96	11	011	
26605	LL1SS-068-0559-SO	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	09/05/96	11	011	
26605	LL1SS-069-0562-SO	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	09/05/96	11	011	
26605	LL2SD-030(D)-0122-SD	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	09/05/96	//	011	
26605	LL2SS-008-0095-SO	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	09/05/96	11	011	
26605	LL2SS-019-0108-SO	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	09/05/96	11	011	
26605	LL2SS-019-0109-FD	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	09/05/96	11	011	
26605	LL2SS-043-0137-SO	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	09/05/96	11	011	
26605	LL1SS-068-0559-SO	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/27/96	11	011	
26605	LL1SS-069-0562-SO	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/27/96	11	011	
26605	LL2SD-030(D)-0122-SD	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/27/96	11	011	
26605	LL2SS-008-0095-SO	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/27/96	11	011	
26605	LL2SS-019-0108-SO	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/27/96	11	011	
26605	LL2SS-019-0109-FD	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/27/96	1.1	011	
26605	LL2SS-043-0137-SO	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/27/96	11	011	
26605	LL1SD-047(D)-0054-SD	TOC	08/09/96	08/12/96	08/13/96		08/27/96	11	011	
26605	LL1SD-050(D)-0058-SD	TOC	08/10/96	08/12/96	08/13/96		08/27/96	/ /	011	
26605	LL1SD-052(D)-0060-SD	TOC	08/09/96	08/12/96	08/13/96		08/27/96	11	011	
26605	LL1SD-058(P)-0068-SD	TOC	08/11/96	08/12/96	08/13/96		08/27/96	//	011	
26605	LL1SD-059(P)-0069-SD	TOC	08/11/96	08/12/96	08/13/96		08/27/96	11	011	
26605	LL1SD-060(P)-0070-SD	TOC	08/11/96	08/12/96	08/13/96		08/27/96	//	011	-
26605	LL1SD-061(P)-0071-SD	TOC	08/11/96	08/12/96	08/13/96		08/27/96	//	011	
26605	L1 1SD-062(P)-0072-SD	TOC	08/11/96	08/12/96	08/13/96		08/27/96	//	011	

SDG Number	Sample ID	Analysis	Date Collected	Date Shipped	Date Received	Date Extracted	Date Analyzed	Data Received	500
_	LL1SS-068-0559-SO	voc	08/10/96	08/12/96	08/13/96	EAC ACCC	08/15/96	/ /	011
فسيخ	LL1SS-069-0562-SO	VOC	08/10/96	08/12/96	08/13/96		08/15/96	11	011
26605	LL2SD-030(D)-0122-SD	VOC	08/10/96	08/12/96	08/13/96		08/16/96	11	011
26605	LL2SS-008-0095-SO	VOC	08/10/96	08/12/96	08/13/96		08/15/96	11	011
26605	LL2SS-019-0108-SO	VOC	08/10/96	08/12/96	08/13/96		08/15/96	11	011
26605	LL2SS-019-0109-FD	VOC	08/10/96	08/12/96	08/13/96		08/15/96	11	011
26605	LL2SS-043-0137-SO	VOC	08/10/96	08/12/96	08/13/96		08/16/96	11	011
26606	LL1SD-057(P)-0067-SD	Metals (11)	08/12/96	08/12/96	08/13/96		08/29/96	11	011
26606	LL1SS-071-0558-SO	Metals (11)	08/12/96	08/12/96	08/13/96		08/29/96	//	011
26606	LL1SS-072-0560-SO	Metals (11)	08/12/90	08/12/96	08/13/96		08/29/96	11	011
26606	LL1SS-073-0563-SO	Metals (11)	08/12/96	08/12/96	08/13/96		08/29/96	//	011
26606	LL2SD-055(P)-0150-SD	Metals (11)	08/12/96	08/12/96	08/13/96		08/29/96	//	011
26606	LL2SD-055(P)-0151-FD	Metals (11)	08/12/96	08/12/96	08/13/96		08/29/96	//	011
26606 26606	LL2SS-009-0096-SO	Metals (11)	08/12/96	08/12/96	08/13/96		08/30/96	11	011
26606	LL2SS-011-0098-SO	Metals (11)	08/12/96	08/12/96	08/13/96		08/30/96	//	011
26606	LL2SS-014-0101-SO	Metals (11)	08/12/96	08/12/96	08/13/96		08/30/96	/ /	011
26606	LL2SS-040(B)-0133-SO LL1MW-002-0665-ER	Metals (11)	08/12/96	08/12/96	08/13/96		08/30/96	11	011
26606	LL1MW-063-0073-GW	Metals (23)	08/10/96	08/12/96	08/13/96		08/22/96	11	011
26606	LL1MW-064-0074-GW	Metals (23)	08/12/96	08/12/96	08/13/96		08/22/96	11	011
26606	LLIMW-064-0078-FD	Metals (23)	08/10/96	08/12/96	08/13/96		08/22/96	//	011
26606	LL1MW-065-0077-GW	Metals (23)	08/10/96	08/12/96	08/13/96		08/22/96	11	011
26606	LL1SD-049(D)-0056-SD	Metals (23)	08/10/96	08/12/96	08/13/96		08/22/96	11	011
26606	LL1SD-049(D)-0036-SD LL1SD-056(P)-0064-SD	Metals (23)	08/12/96	08/12/96	08/13/96		08/30/96	/ /	011
26606		Metals (23)	08/12/96	08/12/96	08/13/96		09/05/96	11	011
26606	LL1SD-056(P)-0065-FD	Metals (23)	08/12/96	08/12/96	08/13/96		09/05/96	/ /	011
	LL2SS-013-0100-SO	Metals (23)	08/12/96	08/12/96	08/13/96		08/30/96	/ /	011
26606	LL1MW-002-0665-ER	Explosives	08/10/96	08/16/96	08/17/96		09/17/96	/ /	013
26606	LL 1147V 0/2 0072 CW	Explosives	08/10/96	08/12/96	08/13/96		09/17/96	//	011
*	LL1MW-063-0073-GW	Explosives	08/12/96	08/12/96	08/13/96		09/17/96	//	011
26606	LL1MW-064-0074-GW	Explosives	08/10/96	08/12/96	08/13/96		09/17/96	//	011
	LL1MW-064-0078-FD	Explosives	08/10/96	08/12/96	08/13/96		09/17/96	//	011
26606 26606	LL1MW-065-0077-GW	Explosives	08/10/96	08/12/96	08/13/96		09/17/96	/ /	011
26606	LL1SD-049(D)-0056-SD	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	//	011
26606	LL1SD-056(P)-0064-SD	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	//	011
	LL1SD-056(P)-0065-FD	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	//	011
266 06	LL1SD-057(P)-0067-SD	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	11	011
26606 26606	LL18S-071-0558-SO	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	11	011
26606	LL1SS-072-0560-SO	Explosives	08/12/90	08/12/96	08/13/96		09/18/96	//	011
	LL18S-073-0563-SO	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	1 /	011
26606	LL2SD-055(P)-0150-SD	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	/ /	011
26606	LL2SD-055(P)-0151-FD	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	11	011
26606	LL2SS-009-0096-SO	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	<i>F.F.</i>	011
26606	LL2SS-011-0098-SO	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	11	011
26606	LL28S-013-0100-SO	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	11	011
26606	LL28S-014-0101-SO	Explosives	08/12/96	08/12/96	08/13/96		09/18/96	11	011
26606	LL1MW-002-0665-ER	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	08/31/96	11	011
266 06	LL1MW-063-0073-GW	Pest/PCB	08/12/96	08/12/96		08/14/96	08/31/96	11	011
26606	LL1MW-064-0074-GW	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	08/31/96	11	011
26606	LL1MW-064-0078-FD	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	08/31/96	11	011
26606	LL1MW-065-0077-GW	Pest/PCB	08/10/96	08/12/96	08/13/96	08/14/96	08/31/96	11	011
26606	LL1SD-049(D)-0056-SD	Pest/PCB	08/12/96	08/12/96	08/13/96	08/14/96	09/01/96	11	011
26606	LL1SD-056(P)-0064-SD	Pest/PCB	08/12/96	08/12/96	08/13/96	08/14/96	09/03/96	11	011
26606	LL1SD-056(P)-0065-FD	Pest/PCB	08/12/96	08/12/96	08/13/96	08/14/96	09/04/96	11	011
26606	LL2SS-013-0100-SO	Pest/PCB	08/12/96	08/12/96	08/13/96	08/14/96	09/01/96	11	011
26606 26	LL1MW-002-0665-ER	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/22/96	11	011
4 *	LL1MW-063-0073-GW	SVOC	08/12/96	08/12/96	08/13/96	08/14/96	08/22/96	11	011
26606	LL1MW-064-0074-GW	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/22/96	//	011
	LL1MW-064-0078-FD	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/22/96	//	011
26606	LL1MW-065-0077-GW	SVOC	08/10/96	08/12/96	08/13/96	08/14/96	08/22/96	11	011

SDG			Date	Date	Date	Date	Date	Data	~~~	
	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed 08/23/96	Received	011	- 4
26606 26606	LL1SD-049(D)-0056-SD LL1SD-056(P)-0064-SD	SVOC SVOC	08/12/96 08/12/96	08/12/96 08/12/96	08/13/96 08/13/96	08/14/96 08/14/96	08/23/96	11	011	
26606	LL1SD-056(P)-0065-FD	SVOC	08/12/96	08/12/96	08/13/96	08/14/96	08/22/96	11	011	
26606	LL2SS-013-0100-SO	SVOC	08/12/96	08/12/96	08/13/96	08/14/96	08/22/96	//	011	
26606	LL1SD-049(D)-0056-SD	TOC	08/12/96	08/12/96	08/13/96	00/14/20	08/27/96	11	011	
26606	LI 13D-056(P)-0064-SD	TOC	08/12/96	08/12/96	08/13/96		08/27/96	11	011	
26606	LL1SD-056(P)-0065-FD	TOC	08/12/96	08/12/96	08/13/96		08/27/96	11	011	
26606	LL1SD-057(P)-0067-SD	TOC	08/12/96	08/12/96	08/13/96		08/27/96	11	011	
26606	LL2SD-055(P)-0150-SD	TOC	08/12/96	08/12/96	08/13/96		08/27/96	11	011	
26606	LL2SD-055(P)-0151-FD	TOC	08/12/96	08/12/96	08/13/96		08/27/96	11	011	
26606	LL1MW-001-0079-TB	VOC	08/10/96	08/12/96	08/13/96		08/22/96	11	011	
26606	LL1MW-002-0080-TB	VOC	08/12/96	08/12/96	08/13/96		08/23/96	11	011	
26606	LL1MW-002-0665-ER	VOC	08/10/96	08/12/96	08/13/96		08/22/96	11	011	
26606	LL1MW-063-0073-GW	VOC	08/12/96	08/12/96	08/13/96		08/23/96	11	011	
26606	LL1MW-064-0074-GW	VOC	08/10/96	08/12/96	08/13/96		08/22/96	11	011	
26606	LL1MW-064-0078-FD	VOC	08/10/96	08/12/96	08/13/96		08/23/96	11	011	
26606	LL1MW-065-0077-GW	VOC	08/10/96	08/12/96	08/13/96		08/22/96	11	011	
26606	LL1SD-049(D)-0056-SD	VOC	08/12/96	08/12/96	08/13/96		08/16/96	11	011	
26606	LL1SD-056(P)-0064-SD	VOC	08/12/96	08/12/96	08/13/96		08/20/96	11	011	
26606	LL1SD-056(P)-0065-FD	VOC	08/12/96	08/12/96	08/13/96		08/16/96	11	011	
26606	LL2SS-013-0100-SO	VOC	08/12/96	08/12/96	08/13/96		08/16/96	11	011	
26617	LL2SD-053(P)-0148-SD	Metals (11)	08/12/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL2SD-054(P)-0149-SD	Metals (11)	08/12/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL2SS-010-0097-SO	Metals (11)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL2SS-012-0099-SO	Metals (11)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL2SS-015-0102-SO	Metals (11)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL2SS-015-0103-FD	Metals (11)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL2SS-022-0112-SO	Metals (11)	08/12/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL2SS-044-0138-SO	Metals (11)	08/12/96	08/13/96	08/14/96		08/31/96	11	012	,
26617	LI 4SS-062-0595-SO	Metals (11)	08/12/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LNWSD-016(P)-0435-SD	Metals (11)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LNWSD-023(P)-0670-SD	Metals (11)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26617	WBGSS-053-0513-SO	Metals (11)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL1SS-074-0671-SO	Metals (23)	08/13/96	08/13/96	08/14/96		08/31/96	11	012	
26 617	LL2SD-052(P)-0147-SD	Metals (23)	08/12/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL4SS-063-0208-SO	Metals (23)	08/12/96	08/13/96	08/14/96		08/31/96	11	012	
26617	LL18S-074-0671-SO	Explosives	08/13/96	08/13/96	08/14/96		09/20/96	/ /	012	
26617	LL2SD-052(P)-0147-SD	Explosives	08/12/96	08/13/96	08/14/96		09/20/96	11	012	
26617	LL2SD-053(P)-0148-SD	Explosives	08/12/96	08/13/96	08/14/96		09/20/96	11	012	
26617	LL2SD-054(P)-0149-SD	Explosives	08/12/96	08/13/96	08/14/96		09/20/96	//	012	
26617	LL2SS-010-0097-SO	Explosives	08/13/96	08/13/96	08/14/96		09/20/96	11	012	
26617	LL2SS-012-0099-SO	Explosives	08/13/96	08/13/96	08/14/96		09/20/96	11	012	
26617	LL2SS-015-0102-SO	Explosives	08/13/96	08/13/96	08/14/96		09/20/96	11	012	
26617	LL2SS-015-0103-FD	Explosives	08/13/96	08/13/96	08/14/96		09/20/96	//	012	
26617	LL2SS-022-0112-SO	Explosives	08/12/96	08/13/96	08/14/96		09/20/96	//	012	
26617	LL2SS-044-0138-SO	Explosives	08/12/96	08/13/96	08/14/96		09/28/96*(45	•	012	
26617	LL4SS-062-0595-SO	Explosives	08/12/96	08/13/96	08/14/96		09/20/96	11	012	
26617	LL4SS-063-0208-SO	Explosives	08/12/96	08/13/96	08/14/96		09/20/96	//	012	
26617	LNWSD-016(P)-0435-SD	Explosives	08/13/96	08/13/96	08/14/96		09/20/96	11	012	
26617	LNWSD-023(P)-0670-SD	Explosives	08/13/96	08/13/96	08/14/96		09/20/96	//	012	
26617	WBGSS-053-0513-SO	Explosives	08/13/96	08/13/96	08/14/96	00/14/07	09/20/96	/ /	012	
26617	LL1SS-074-0671-SO	Pest/PCB	08/13/96	08/13/96	08/14/96	08/14/96	09/09/96	11	012	
26617	LL2SD-052(P)-0147-SD	Pest/PCB	08/12/96	08/13/96	08/14/96	08/14/96	09/09/96	11	012	
26617	LL4SS-063-0208-SO	Pest/PCB	08/12/96	08/13/96	08/14/96	08/14/96	09/09/96	/ /	012	
26617	LL1SS-074-0671-SO	SVOC	08/13/96	08/13/96	08/14/96	08/14/96	08/23/96	/ / / /	012 012	
26617	LL2SD-052(P)-0147-SD	SVOC	08/12/96	08/13/96	08/14/96	08/14/96	08/26/96 08/26/96	11	012	
26617	LL4SS-063-0208-SO	SVOC	08/12/96 08/12/96	08/13/96 08/13/96	08/14/96 08/14/96	08/14/96	08/27/96	//	012	
26617	LL2SD-052(P)-0147-SD LL2SD-053(P)-0148-SD	TOC TOC	08/12/96	08/13/96	08/14/96		08/27/96	11	012	
26617	LL20D-033(F)-0148-0D	100	U0/14/70	00/13/70	00/17/70		00/21/70	, ,	U.L	

SDG Number	Samuela ID		Date	Date	Date	Date	Date	Data	
Number	Sample ID LL2SD-054(P)-0149-SD	Analysis TOC	Collected	Shipped	Received	Extracted	Analyzed	Received	COC
	LNWSD-016(P)-0435-SD	TOC	08/12/96 08/13/96	08/13/96	08/14/96		08/27/96	//	012
26617	LNWSD-023(P)-0670-SD	TOC	08/13/96	08/13/96 08/13/96	08/14/96 08/14/96		08/27/96	/ /	012
26617	LL1SS-074-0671-SO	voc	08/13/96	08/13/96	08/14/96		08/27/96 08/21/96	/ / / /	012
26617	LL2SD-052(P)-0147-SD	VOC	08/12/96	08/13/96	08/14/96		08/20/96	11	012 012
26617	LL4SS-063-0208-SO	VOC	08/12/96	08/13/96	08/14/96		08/16/96	11	012
26617		VOC	08/12/96	08/13/96	08/14/96		08/20/96	11	012
26640	L12SD-051(P)-0363-SD	Metals (11)	08/13/96	08/16/96	08/17/96		08/31/96	11	013
26640	L12SD-051(P)-0364-FD	Metals (11)	08/13/96	08/16/96	08/17/96		08/31/96	11	013
26640		Metals (11)	08/13/96	08/12/96	08/13/96		08/31/96	11	011
26640	L12SD-052(P)-0366-SD	Metals (11)	08/13/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL2SS-016-0104-SO	Metals (11)	08/13/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL2SS-045-0139-SO	Metals (11)	08/13/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL4SD-053(P)-0290-SD	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
2664 0	LL4SD-053(P)-0291-FD	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL4SD-054(P)-0293-SD	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL4SD-055(P)-0294-SD	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	LLASS-064-0677-SO	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL4SS-065-0678-SO	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL4SS-066-0679-SO	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	WBGSS-077-0542-SO	Metals (11)	08/13/96	08/16/96	08/17/96		08/31/96	//	013
26640	WBGSS-097-0564-SO	Metals (11)	08/13/96	08/16/96	08/17/96		08/31/96	11	013
26640	WBGSS-098-0565-SO	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640		Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	WBGSS-098-0566-FD	Metals (11)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	L12SD-053(P)-0367-SD	Metals (23)	08/13/96	08/16/96	08/17/96		08/31/96	//	013
26640	LL2SS-061-0675-SO	Metals (23)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
26640	LL4SD-052(P)-0289-SD	Metals (23)	08/14/96	08/16/96	08/17/96		08/31/96	11	013
.	L12SD-051(P)-0363-SD	Explosives	08/13/96	08/16/96	08/17/96		09/20/96	11	013
200-0	L12SD-051(P)-0364-FD	Explosives	08/13/96	08/12/96	08/13/96		09/20/96	11	011
26640	I 100D 050(D) 00// 0D	Explosives	08/13/96	08/16/96	08/17/96		09/20/96	11	013
26640	L12SD-052(P)-0366-SD	Explosives	08/13/96	08/16/96	08/17/96		09/20/96	11	013
26640 26640	L12SD-053(P)-0367-SD	Explosives	08/13/96	08/16/96	08/17/96		09/20/96	11	013
26640	LL2SS-016-0104-SO	Explosives	08/13/96	08/16/96	08/17/96		09/20/96	11	013
26640	LL2SS-045-0139-SO	Explosives	08/13/96	08/16/96	08/17/96		09/20/96	11	013
26640	LL2SS-061-0675-SO	Explosives	08/14/96	08/16/96	08/17/96		09/20/96	11	013
26640	LL4SD-052(P)-0289-SD	Explosives	08/14/96	08/16/96	08/17/96		09/21/96	11	013
26640	LL4SD-053(P)-0290-SD LL4SD-053(P)-0291-FD	Explosives	08/14/96	08/16/96	08/17/96		09/21/96	11	013
26640	LIASD-054(P)-0293-SD	Explosives Explosives	08/14/96	08/16/96	08/17/96		09/21/96	//	013
26640	LL4SD-055(P)-0294-SD	•	08/14/96	08/16/96	08/17/96		09/21/96	//	013
26640	LL4SS-064-0677-SO	Explosives Explosives	08/14/96 08/14/96	08/16/96	08/17/96		09/21/96	11	013
26640	LL4SS-065-0678-SO	Explosives Explosives	08/14/96	08/16/96	08/17/96		09/21/96	//	013
26640	LL4SS-066-0679-SO	Explosives Explosives	08/14/96	08/16/96 08/16/96	08/17/96		09/21/96	//	013
26640	WBGSS-077-0542-SO	Explosives	08/13/96	08/16/96	08/17/96 08/17/96		09/21/96	//	013
26640	WBGSS-097-0564-SO	Explosives	08/13/96	08/16/96	08/17/96		09/20/96	//	013
26640	WBGSS-098-0565-SO	Explosives	08/13/96	08/16/96	08/17/96		09/20/96 09/21/96	11	013
26640	2000 070 0303 00	Explosives	08/14/96	08/16/96	08/17/96		09/21/96	/ / / /	013
26640	WBGSS-098-0566-FD	Explosives	08/14/96	08/16/96	08/17/96		09/21/96	11	013
26640	L12SD-053(P)-0367-SD	Pest/PCB	08/13/96	08/16/96	08/17/96	08/16/96	09/16/96	11	013
26640	LL2SS-061-0675-SO	Pest/PCB	08/13/96	08/16/96	08/17/96	08/16/96	09/16/96	11	013
26640	LL4SD-052(P)-0289-SD	Pest/PCB	08/14/96	08/16/96	08/17/96	08/16/96	09/16/96	11	013 013
26640	L12SD-053(P)-0367-SD	SVOC	08/13/96	08/16/96	08/17/96	08/16/96	08/26/96	11	013
26640	LL2SS-061-0675-SO	SVOC	08/14/96	08/16/96	08/17/96	08/16/96	08/26/96	11	013
26640	LL4SD-052(P)-0289-SD	svoc	08/14/96	08/16/96	08/17/96	08/16/96	08/26/96	11	013
26	L12SD-051(P)-0363-SD	TOC	08/13/96	08/16/96	08/17/96		08/27/96	11	013
'	L12SD-051(P)-0364-FD	TOC	08/13/96	08/16/96	08/17/96		08/27/96	11	013
26640	L12SD-052(P)-0366-SD	TOC	08/13/96	08/16/96	08/17/96		08/27/96	//	013
26640	L12SD-053(P)-0367-SD	TOC	08/13/96	08/16/96	08/17/96		08/27/96	11	013
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Laboratory: Southwest Laboratory of Oklahoma, I

SDG	ory: Southwest Laboratory o		Date	Date	Date	Date	Date	Data		
Number	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	
26640	LLASD-052(P)-0289-SD	TOC	08/14/96	08/16/96	08/17/96		08/27/96	//	013	أرر
26640	LL4SD-053(P)-0290-SD	TOC	08/14/96	08/16/96	08/17/96		08/27/96	//	013 013	
26640	LL4SD-053(P)-0291-FD	TOC	08/14/96	08/16/96	08/17/96		08/27/96	/ / / /	013	
2664 0	LL4SD-054(P)-0293-SD	TOC	08/14/96	08/16/96	08/17/96		08/27/96 08/27/96	11	013	
26640	LL4SD-055(P)-0294-SD	TOC	08/14/96	08/16/96	08/17/96 08/17/96		08/21/96	//	013	
26640	L12SD-053(P)-0367-SD	VOC	08/13/96	08/16/96 08/16/96	08/17/96		08/21/96	11	013	
26640	LL4SD-052(P)-0289-SD	VOC	08/14/96 08/13/96	08/16/96	08/17/96		08/16/96	//	013	
26640	WBGSS-004-0672-SO	VOC VOC	08/13/96	08/16/96	08/17/96		08/16/96	11	013	
26640	WBGSS-030-0673-SO	voc	08/13/96	08/16/96	08/17/96		08/16/96	11	013	
26640	WBGSS-057-0674-SO	Metals (11)	08/19/96	08/19/96	08/20/96		09/05/96	11	014	
26669	CPCSD-006(P)-0655-SD	Metals (11)	08/19/96	08/19/96	08/20/96		09/05/96	//	014	
26669	CPCSD-008(P)-0659-SD CPCSD-009(P)-0660-SD	Metals (11)	08/19/96	08/19/96	08/20/96		09/05/96	11	014	
26669	CPCSD-009(P)-0661-SD	Metals (11)	08/19/96	08/19/96	08/20/96		09/05/96	11	014	
26669 26669	CPCSD-007(P)-0656-SD	Metals (23)	08/19/96	08/19/96	08/20/96		09/05/96	11	014	
26669	CPCSD-007(P)-0657-FD	Metals (23)	08/19/96	08/19/96	08/20/96		09/05/96	11	014	
26669	LL2MW-059-0667-GW	Metals (23)	08/19/96	08/19/96	08/20/96		09/02/96	11	014	
26669	CPCSD-006(P)-0655-SD	Explosives	08/19/96	08/19/96	08/20/96		09/21/96	11	014	
26669	CPCSD-007(P)-0656-SD	Explosives	08/19/96	08/19/96	08/20/96		09/21/96	11	014	
26669	CPCSD-007(P)-0657-FD	Explosives	08/19/96	08/19/96	08/20/96		09/21/96	11	014	
26669	CPCSD-008(P)-0659-SD	Explosives	08/19/96	08/19/96	08/20/96		09/21/96	11	014	
26669	CPCSD-009(P)-0660-SD	Explosives	08/19/96	08/19/96	08/20/96		09/21/96	11	014	
26669	CPCSD-010(P)-0661-SD	Explosives	08/19/96	08/19/96	08/20/96		09/21/96	11	014	
26669	LL2MW-059-0667-GW	Explosives	08/19/96	08/19/96	08/20/96		09/17/96	11	014	
26669	CPCSD-007(P)-0656-SD	Pest/PCB	08/19/96	08/19/96	08/20/96	08/21/96	09/14/96	11	014	
26669	CP/2SD-007(P)-0657-FD	Pest/PCB	08/19/96	08/19/96	08/20/96	08/21/96	09/14/96	11	014	
26669	LL2MW-059-0667-GW	Pest/PCB	08/19/96	08/19/96	08/20/96	08/21/96	09/12/96	/ /	014	
26669	CPCSD-007(P)-0656-SD	SVOC	08/19/96	08/19/96	08/20/96	08/21/96	08/29/96	/ /	014	
26669	CPCSD-007(P)-0657-FD	SVOC	08/19/96	08/19/96	08/20/96	08/21/96	08/29/96	11	014	
26669	LL2MW-059-0667-GW	SVOC	08/19/96	08/19/96	08/20/96	08/21/96	08/28/96	11	014	
2666 9	CPCSD-006(P)-0655-8D	TOC	08/19/96	08/19/96	08/20/96		08/30/96	//	014	
26669	CPCSD-007(P)-0656-SD	TOC	08/19/96	08/19/96	08/20/96		08/30/96	//	014	
26669	CPCSD-007(P)-0657-FD	TOC	08/19/96	08/19/96	08/20/96		08/30/96	//	014	
26669	CPCSD-008(P)-0659-SD	TOC	08/19/96	08/19/96	08/20/96		08/30/96	11	014	
26669	CPCSD-009(P)-0660-SD	TOC	08/19/96	08/19/96	08/20/96		08/30/96	//	014	
26669	CPCSD-010(P)-0661-SD	TOC	08/19/96	08/19/96	08/20/96		08/30/96	11	014	
26669	CPCSD-007(P)-0656-SD	VOC	08/19/96	08/19/96	08/20/96		08/21/96	/ / / /	014 014	
26669	CPCSD-007(P)-0657-FD	VOC	08/19/96	08/19/96	08/20/96		08/21/96 08/23/96	11	014	
26669	LL2MW-001-0156-TB	VOC	08/19/96	08/19/96	08/20/96		08/23/96	11	014	
26669	LL2MW-059-0667-GW	voc	08/19/96	08/19/96	08/20/96 08/21/96			//	015	
26686	CPCSD-001(P)-0650-SD	Metals (11)	08/19/96	08/20/96			09/05/96 09/05/96	11	015	
26686	CPCSD-002(P)-0651-SD	Metals (11)	08/19/96	08/20/96 08/20/96	08/21/96 08/21/96		09/05/96	11	015	
26686	CPCSD-003(P)-0652-SD	Metals (11)	08/19/96	08/20/96	08/21/96		09/05/96	11	015	
26686	CPCSD-004(P)-0653-SD	Metals (11)	08/19/96 08/19/96	08/20/96	08/21/96		09/05/96	11	015	
26686	CPCSD-005(P)-0654-SD	Metals (11)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
26686	L12SS-047-0359-SO	Metals (11) Metals (11)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
26686	L12SS-050-0362-SO LL2SD-047(D)-0141-SD	Metals (11)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
26686	LL2SD-047(D)-0141-SD LL2SD-049(D)-0144-SD	Metals (11)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
26686	LL2SD-050(D)-0145-SD	Metals (11)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
26686	LL3SD-042-0209-SD	Metals (11)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
26686	LL2MW-060-0668-GW	Metals (23)	08/19/96	08/20/96	08/21/96		09/01/96	11	015	
26686	LL2SD-048(D)-0142-SD	Metals (23)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
26686 26686	LL3SS-043-0210-SO	Metals (23)	08/20/96	08/20/96	08/21/96		09/05/96	11	015	
	CPCSD-001(P)-0650-SD	Explosives	08/19/96	08/20/96	08/21/96		09/23/96	11	015	
26686	CPCSD-001(P)-0651-SD	Explosives Explosives	08/19/96	08/20/96			09/23/96	11	015	
26686 26686	CPCSD-002(P)-0652-SD	Explosives	08/19/96	08/20/96	08/21/96		09/23/96	11	015	
26686	CPCSD-003(P)-0653-SD	Explosives	08/19/96	08/20/96	08/21/96		09/24/96	11	015	
26686	CPCSD-005(P)-0654-SD	Explosives	08/19/96	08/20/96			09/24/96	11	015	
20000	C1 CDD-003(1)-0034-0D		20.22.70							

SDG ** "nber	· Sample ID	Analysis	Date	Date	Date	Date	Date	Data	
	L12SS-047-0359-SO	Analysis Explosives	Collected 08/20/96	Shipped 08/20/96	Received 08/21/96	Extracted	Analyzed	Received	COC
20086	L12SS-050-0362-SO	Explosives	08/20/96	08/20/96	08/21/96		09/24/96 09/24/96	17	015
26686	LL2MW-060-0668-GW	Explosives	08/19/96	08/20/96	08/21/96		09/18/96	/ / / /	015 015
26686	LL2SD-047(D)-0141-SD	Explosives	08/20/96	08/20/96	08/21/96		09/24/96	11	015
26686	LL2SD-048(D)-0142-SD	Explosives	08/20/96	08/20/96	08/21/96		09/24/96	11	015
26686	LL2SD-049(D)-0144-SD	Explosives	08/20/96	08/20/96	08/21/96		09/24/96	11	015
26686	LL2SD-050(D)-0145-SD	Explosives	08/20/96	08/20/96	08/21/96		09/24/96	11	015
26686	LL3SD-042-0209-SD	Explosives	08/20/96	08/20/96	08/21/96		09/24/96	11	015
26686	LL3SS-043-0210-SO	Explosives	08/20/96	08/20/96	08/21/96		09/24/96	11	015
26686	LL2MW-060-0668-GW	Pest/PCB	08/19/96	08/20/96	08/21/96	08/22/96	09/13/96	11	015
26686	LI.2SD-048(D)-0142-SD	Pest/PCB	08/20/96	08/20/96	08/21/96	08/22/96	09/17/96	11	015
26686	LL3SS-043-0210-SO	Pest/PCB	08/20/96	08/20/96	08/21/96	08/22/96	09/17/96	11	015
26686	LL2MW-060-0668-GW	SVOC	08/19/96	08/20/96	08/21/96	08/22/96	08/30/96	11	015
26686	LL2SD-048(D)-0142-SD	SVOC	08/20/96	08/20/96	08/21/96	08/22/96	08/28/96	11	015
26686	LL3SS-043-0210-SO	SVOC	08/20/96	08/20/96	08/21/96	08/22/96	08/28/96	11	015
26686	CPCSD-001(P)-0650-SD	TOC	08/19/96	08/20/96	08/21/96		09/09/96	//	015
26686	CPCSD-002(P)-0651-SD	TOC	08/19/96	08/20/96	08/21/96		09/09/96	11	015
26686 26686	CPCSD-003(P)-0652-SD	TOC	08/19/96	08/20/96	08/21/96		09/09/96	11	015
	CPCSD-004(P)-0653-SD	TOC	08/19/96	08/20/96	08/21/96		09/09/96	//	015
26686	CPCSD-005(P)-0654-SD	TOC	08/19/96	08/20/96	08/21/96		09/09/96	11	015
26686	LL2SD-047(D)-0141-SD	TOC	08/20/96	08/20/96	08/21/96		09/09/96	//	015
26686 26686	LL2SD-048(D)-0142-SD	TOC	08/20/96	08/20/96	08/21/96		09/09/96	//	015
26686	LL2SD-049(D)-0144-SD	TOC	08/20/96	08/20/96	08/21/96		09/09/96	11	015
26686	LL2SD-050(D)-0145-SD LL2MW-003-0158-TB	TOC	08/20/96	08/20/96	08/21/96		09/09/96	11	015
26686	LL2MW-060-0668-GW	VOC VOC	08/19/96	08/20/96	08/21/96		08/26/96	11	015
26686	LL2SD-048(D)-0142-SD	VOC	08/19/96	08/20/96	08/21/96		08/23/96	11	015
2(-1	L12SS-049-0361-SO	Metals (11)	08/20/96	08/20/96	08/21/96		08/27/96	11	015
•	LL1SD-076(D)-0684-SD	Metals (11)	08/21/96 08/21/96	08/21/96	08/22/96		10/01/96	//	016
26701	LL1SD-077(D)-0685-SD	Metals (11)	08/21/96	08/21/96 08/21/96	08/22/96		10/01/96	//	016
26701	LL1SS-075-0680-SO	Metals (11)	08/20/96	08/21/96	08/22/96		10/01/96	11	016
26701	LL2SD-046(D)-0140-SD	Metals (11)	08/20/96	08/21/96	08/22/96 08/22/96		10/01/96	//	016
26701	LL2SD-051(D)-0146-SD	Metals (11)	08/20/96	08/21/96	08/22/96		10/01/96	//	016
26701	LL4SS-067-0679-SO	Metals (11)	08/20/96	08/21/96	08/22/96		10/01/96	11	016
26701	DCNAR-001-0686-CS	Metals (23)	08/22/96	08/22/96	08/23/96		09/29/96 09/02/96	/ / / /	016
26701	DCN WR-002-0687-CS	Metals (23)	08/22/96	08/22/96	08/23/96		09/02/96	11	017
26701	DCNWR-003-0688-CS	Metals (23)	08/22/96	08/22/96	08/23/96		09/02/96	11	017
26701	LL1MW-067-0669-GW	Metals (23)	08/21/96	08/22/96	08/23/96		09/02/96	11	017 017
267 01	LL2SS-062-0681-SO	Metals (23)	08/20/96	08/21/96	08/22/96		09/04/96	11	
26701	LL2SS-063-0683-SO	Metals (23)	08/21/96	08/21/96	08/22/96		09/04/96	11	016 016
26701	DCNAR-001-0686-CS	Explosives	08/22/96	08/22/96	08/23/96		09/18/96	11	017
26701	DCNWR-002-0687-CS	Explosives	08/22/96	08/22/96	08/23/96		09/18/96	11	017
26701	DCNWR-003-0688-CS	Explosives	08/22/96	08/22/96	08/23/96		09/18/96	11	017
26701	L12SS-049-0361-SO	Explosives	08/21/96	08/21/96	08/22/96		09/27/96	11	016
26701	LL1MW-067-0669-GW	Explosives	08/21/96	08/22/96	08/23/96		09/18/96	11	017
26701	LL1SD-076(D)-0684-SD	Explosives	08/21/96	08/21/96	08/22/96		09/27/96	11	016
26701	LL1SD-077(D)-0685-SD	Explosives	08/21/96	08/21/96	08/22/96		09/27/96	11	016
26701	LL1SS-075-0680-SO	Explosives		08/21/96	08/22/96		09/27/96	11	016
26701	LL2SD-046(D)-0140-SD	Explosives	08/20/96	08/21/96	08/22/96		09/27/96	11	016
26701	LL2SD-051(D)-0146-SD	Explosives	08/20/96	08/21/96	08/22/96		09/27/96	11	016
26701	LL2SS-062-0681-SO	Explosives	08/20/96	08/21/96	08/22/96		09/27/96	11	016
26701	LL2SS-063-0683-SO	Explosives	08/21/96	08/21/96	08/22/96		09/27/96	11	016
26701	LL4SS-067-0679-SO	Explosives	08/20/96	08/21/96	08/22/96		09/27/96	11	016
26701	DCNAR-001-0686-CS	Pest/PCB	08/22/96	08/22/96	08/23/96	08/26/96	09/15/96	11	017
26701	DCNWR-002-0687-CS	Pest/PCB		08/22/96	08/23/96	08/26/96	09/18/96	11	017
2	DCNWR-003-0688-CS	Pest/PCB		08/22/96	08/23/96	08/26/96	09/18/96	11	017
	LL1MW-067-0669-GW	Pest/PCB		08/22/96	08/23/96	08/26/96	09/15/96	11	017
26701	LL2SS-062-0681-SO	Pest/PCB		08/21/96			09/17/96	11	016
26701	LL2SS-063-0683-SO	Pest/PCB	08/21/96	08/21/96	08/22/96	08/27/96	09/17/96	11	016

SDG			Date	Date	Date	Date	Date	Data		
Number	Sample ID	Analysis	Collected	Shipped	Received	Extracted	Analyzed	Received	COC	_
2 6701	DCNAR-001-0686-CS	SVOC	08/22/96	08/22/96	08/23/96	08/25/96	09/05/96	-77	017	
26701	DCNWR-002-0687-CS	SVOC	08/22/96	08/22/96	08/23/96	08/25/96	09/05/96	11	017	
26701	DCNWR-003-0688-CS	SVOC	08/22/96	08/22/96	08/23/96	08/25/96	09/05/96	11	017	
26701	LL1MW-067-0669-GW	SVOC	08/21/96	08/22/96	08/23/96	08/25/96	09/05/96	11	017	
26701	LL2SS-062-0681-SO	SVOC	08/20/96	08/21/96	08/22/96	08/27/96	09/04/96	11	016	
26701	LL2SS-063-0683-SO	SVOC	08/21/96	08/21/96	08/22/96	08/27/96	09/04/96	11	016	
26701	LL2SD-046(D)-0140-SD	TOC	08/20/96	08/21/96	08/22/96		09/09/96	11	016	
26701	LL2SD-051(D)-0146-SD	TOC	08/20/96	08/21/96	08/22/96		09/09/96	11	016	
26701	DCNAR-001-0686-CS	VOC	08/22/96	08/22/96	08/23/96		08/26/96	11	017	
26701	DCNWR-002-0687-CS	voc	08/22/96	08/22/96	08/23/96		08/26/96	11	017	
26701	DCNWR-003-0688-CS	VOC	08/22/96	08/22/96	08/23/96		08/26/96	11	017	
26701	LL1MW-067-0669-GW	VOC	08/21/96	08/22/96	08/23/96		08/26/96	11	017	
26701	LL2MW-004-0159-TB	VOC	08/21/96	08/22/96	08/23/96		08/26/96	11	017	
26701	LL2SS-062-0681-SO	voc	08/20/96	08/21/96	08/22/96		08/27/96	11	016	
26701	LL2SS-063-0683-SO	VOC	08/21/96	08/21/96	08/22/96		08/27/96	11	016	