APPENDIX F

DATA VALIDATION SUMMARY REPORT

Data Validation Summary Report
For the Site Investigation Performed at the
Impact Area Near Stump Dump, Parcel 135Q-X
Fort McClellan, Calhoun County, Alabama

1.0 Introduction

Level III data validation was performed on 100% of the environmental samples collected for HR-135Q. The analytical data consisted of two sample delivery groups (SDG), 10135Q-01 and 10135Q-02, which were analyzed by EMAX Laboratories. The chemical parameters for which the samples were analyzed, are identified below:

Parameter (Method)
Perchlorate by EPA 314.0
Nitroaromatics and Nitramines by SW 846 8330
TAL Metals by SW 846 6010B/7470

2.0 Procedures

The sample data were validated following the logic identified in the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines For Inorganic Data Review (February 1994)* and *USEPA Contract Laboratory Program National Functional Guidelines For Organic Review (October 1999)* for all areas except Blanks. *Region III Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (April 1993)* and *Region III National Functional Guidelines for Organic Data Review (June 1992)* were applied to the areas associated with blank contamination. Specific quality control (QC) criteria, as identified in the Quality Assurance Plan (QAP), analytical methods, and laboratory Standard Operating Procedures (SOP's) were applied to all sample results. As the result of the use of Update III SW846 test methods for the analytical data and the application of the CLP guidelines during the validation process, there were instances where specific QC requirements for all target compounds were not defined. This primarily occurred in the organic, Gas Chromatograph (GC) and Gas Chromatograph/Mass Spectra (GC/MS) calibration areas and is due to the fact that the analytical methods are performance-based, and allows the use of average calibration responses, in lieu of, individual responses, which are defined by CLP protocol. In light of applying CLP guidelines to SW846 methods and evaluating the usability of the data during the validation process, specific QC criteria were determined to address all target compounds and are identified in this report for each parameter, as well as, in the validation checklists, which function as worksheets. All completed validation checklists are on file in the Knoxville office. For those analytical methods not addressed by the CLP and Region III guidelines, the validation was based on the method requirements (i. e. SW846, CFR, SOP's) and technical judgement, following the logic of the CLP validation guidelines.

3.0 Summary of Data Validation Findings

The overall quality of the data was determined to be acceptable with minimal qualifications. No data were rejected.

Individual validation reports have been prepared for each parameter and the overall results of the validation findings are summarized in this report. The validation qualifier data entry verification report (Attachment A) is also provided. This is a complete listing of all of the analytical results and the validation qualifiers assigned for HR-135Q. It also identifies the "use" column, which indicates which result to use in the event of a reanalysis. A listing of the validation qualifiers and the reason codes, along with their definitions are also found in Attachment A. The following section highlights the key findings of the data validation for each analysis.

4.0 Analysis-Specific Data Validation Summaries

4.1 Perchlorate by EPA 314.0

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J' were qualified as estimated "J", unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R'.

4.2 Nitroaromatics and Nitramines by SW 846 8330

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the following exceptions:

SDG Number	Sample Number	Compound	Validation Qualifier
10135Q-02	YR3001, YR3002, YR3003	RDX	UJ

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J' were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as

rejected 'R'.

4.3 Metals by SW-846 6010B/7471A/7470A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times
Technical holding time criteria were met for all samples.

Initial and Continuing Calibrations
All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks
The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were found to be acceptable, with the exception of the following:

SDG Number	Sample Number	Compound	Blank Contaminant	Validation Qualifier
10135Q-01	YR0003, YR0004, YR0005 YR0006, YR0008	Selenium	ICB/CCB	B

Matrix Spike / Matrix Spike Duplicate
MS/MSD analysis was performed for the project samples and all QC criteria were met with the following exceptions:

SDG Number	Sample Number	Compound	Validation Qualifier
10135Q-01	All	Manganese, Antimony, Copper	J/UJ
10135Q-02	All	Sodium	J

Laboratory Control Sample (LCS)
LCS was performed for the project samples and all QC criteria were met.

Interference Check Sample (ICS)
All ICS % recoveries were acceptable. All QC criteria were met.

ICP Serial Dilutions
All QC criteria were met for the serial dilutions associated with the project samples with the following exceptions:

SDG Number	Sample	Compound	Validation Qualifier
10135Q-02	All	Zinc	J

Field Duplicates

Original and field duplicate results were evaluated and all QC criteria were met with the following exceptions:

SDG Number	Sample	Compound	Validation Qualifier
10135Q-02	YR3002, YR3003	Aluminum, Iron	J

Sample Quantitation

Results quantitated between the IDL and the RL ("B" flagged by the laboratory) were qualified as estimated (J), unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R'.

ATTACHMENT A

Validation Qualifiers

U Not detected. The compound/analyte was analyzed for, but not detected above the associated reporting limit.

J The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed.

B The concentration reported was detected significantly above the levels reported in the associated equipment rinse samples and/or laboratory method and trip blanks. (5X/10X Rule was applied).

R The reported sample results are rejected due to the following:

1. Severe deficiencies in the supporting quality control data.
2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data.
3. The presence or absence of the constituent cannot be verified based on the data provided.
4. To indicate not to use a particular result in the event of a reanalysis.

UJ The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the "nondetect" may be inaccurate or imprecise. The nondetect result should be estimated.

Validation Reason Code Definitions

Reason Code	Description
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding time exceeded
02A	Extraction
02B	Analysis
03	Instrument performance – outside criteria
03A	BFB
03B	DFTPP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	Retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient >0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits
10A	Recovery
10B	Retention time
11	Laboratory control sample recoveries outside specified limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantitation
16	Multiple results available; alternate analysis preferred
17	Field duplicate RPD criteria is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgement was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantitation
24	Reported result and/or lab qualifier revised to reflect validation findings

Validation Qualifier Data Entry Verification

Run Date: July 24, 2001

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q-02													
YR3001	SW6010B	SW3010	N 0 1	ALUMINUM	.785	mg/L		Y Y P				K028-03	04:27
				ANTIMONY	.1	mg/L	U	N Y U	U			K028-03	04:27
				ARSENIC	.01	mg/L	U	N Y U	U			K028-03	11:59
				BARIUM	.0131	mg/L		Y Y P				K028-03	04:27
				BERYLLIUM	.001	mg/L	U	N Y U	U			K028-03	04:27
				CADMIUM	.01	mg/L	U	N Y U	U			K028-03	04:27
				CALCIUM	.512	mg/L	J	Y Y P	J		15	K028-03	04:27
				CHROMIUM	.01	mg/L	U	N Y U	U			K028-03	04:27
				COBALT	.02	mg/L	U	N Y U	U			K028-03	04:27
				COPPER	.02	mg/L	U	N Y U	U			K028-03	04:27
				IRON	.789	mg/L		Y Y P				K028-03	04:27
				LEAD	.01	mg/L	U	N Y U	U			K028-03	11:59
				MAGNESIUM	.717	mg/L	J	Y Y P	J		15	K028-03	04:27
				MANGANESE	.0258	mg/L		Y Y P				K028-03	04:27
				NICKEL	.02	mg/L	U	N Y U	U			K028-03	04:27
				POTASSIUM	4.24	mg/L	J	Y Y P	J		15	K028-03	04:27
				SELENIUM	.01	mg/L	U	N Y U	U			K028-03	11:59
				SILVER	.01	mg/L	U	N Y U	U			K028-03	04:27
				SODIUM	.929	mg/L	J	Y Y P	J		08A 15	K028-03	04:27
				THALLIUM	.01	mg/L	U	N Y U	U			K028-03	11:59
				VANADIUM	.01	mg/L	U	N Y U	U			K028-03	04:27
				ZINC	.102	mg/L		Y Y P	J		13	K028-03	04:27
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U	U			K028-03	15:23
YR3002	SW6010B	SW3010	N 0 1	ALUMINUM	.201	mg/L		Y Y P	J		17	K028-04	04:32
				ANTIMONY	.1	mg/L	U	N Y U	U			K028-04	04:32
				ARSENIC	.01	mg/L	U	N Y U	U			K028-04	12:03
				BARIUM	.0692	mg/L		Y Y P				K028-04	04:32
				BERYLLIUM	.001	mg/L	U	N Y U	U			K028-04	04:32
				CADMIUM	.01	mg/L	U	N Y U	U			K028-04	04:32
				CALCIUM	.371	mg/L	J	Y Y P	J		15	K028-04	04:32
				CHROMIUM	.01	mg/L	U	N Y U	U			K028-04	04:32
				COBALT	.02	mg/L	U	N Y U	U			K028-04	04:32
				COPPER	.02	mg/L	U	N Y U	U			K028-04	04:32
				IRON	.502	mg/L		Y Y P	J		17	K028-04	04:32
				LEAD	.00145	mg/L	J	Y Y P	J		15	K028-04	12:03
				MAGNESIUM	.459	mg/L	J	Y Y P	J		15	K028-04	04:32
				MANGANESE	.13	mg/L		Y Y P				K028-04	04:32
				NICKEL	.02	mg/L	U	N Y U	U			K028-04	04:32
				POTASSIUM	3.05	mg/L	J	Y Y P	J		15	K028-04	04:32
				SELENIUM	.01	mg/L	U	N Y U	U			K028-04	12:03

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q-02													
YR3002	SW6010B	SW3010	N 0 1	SILVER	.01	mg/L	U	N Y U	U			K028-04	04:32
				SODIUM	1.05	mg/L		Y Y P	J		08A	K028-04	04:32
				THALLIUM	.01	mg/L	U	N Y U	U			K028-04	12:03
				VANADIUM	.01	mg/L	U	N Y U	U			K028-04	04:32
				ZINC	.104	mg/L		Y Y P	J		13	K028-04	04:32
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U	U			K028-04	15:49
YR3003	SW6010B	SW3010	N 0 1	ALUMINUM	.087	mg/L	J	Y Y	J		15 17	K028-05	04:36
				ANTIMONY	.1	mg/L	U	N Y U	U			K028-05	04:36
				ARSENIC	.01	mg/L	U	N Y U	U			K028-05	12:08
				BARIUM	.054	mg/L		Y Y				K028-05	04:36
				BERYLLIUM	.001	mg/L	U	N Y U	U			K028-05	04:36
				CADMIUM	.01	mg/L	U	N Y U	U			K028-05	04:36
				CALCIUM	.347	mg/L	J	Y Y	J		15	K028-05	04:36
				CHROMIUM	.01	mg/L	U	N Y U	U			K028-05	04:36
				COBALT	.02	mg/L	U	N Y U	U			K028-05	04:36
				COPPER	.02	mg/L	U	N Y U	U			K028-05	04:36
				IRON	.211	mg/L		Y Y	J		17	K028-05	04:36
				LEAD	.00142	mg/L	J	Y Y	J		15	K028-05	12:08
				MAGNESIUM	.428	mg/L	J	Y Y	J		15	K028-05	04:36
				MANGANESE	.0983	mg/L		Y Y				K028-05	04:36
				NICKEL	.0116	mg/L	J	Y Y	J		15	K028-05	04:36
				POTASSIUM	3.27	mg/L	J	Y Y	J		15	K028-05	04:36
				SELENIUM	.01	mg/L	U	N Y U	U			K028-05	12:08
				SILVER	.01	mg/L	U	N Y U	U			K028-05	04:36
				SODIUM	1.06	mg/L		Y Y	J		08A	K028-05	04:36
				THALLIUM	.01	mg/L	U	N Y U	U			K028-05	12:08
				VANADIUM	.01	mg/L	U	N Y U	U			K028-05	04:36
				ZINC	.145	mg/L		Y Y	J		13	K028-05	04:36
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U	U			K028-05	15:52
YR3001	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y U	U			K028-03	19:39
				1,3-DNB	.0004	mg/L	U	N Y U	U			K028-03	19:39
				2,4,6-TNT	.0004	mg/L	U	N Y U	U			K028-03	19:39
				2,4-DNT	.0004	mg/L	U	N Y U	U			K028-03	19:39
				2,6-DNT	.0004	mg/L	U	N Y U	U			K028-03	19:39
				2-AM-4,6-DNT	.0004	mg/L	U	N Y U	U			K028-03	19:39
				2-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-03	19:39
				3-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-03	19:39
				4-AM-2,6-DNT	.0004	mg/L	U	N Y U	U			K028-03	19:39
				4-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-03	19:39
				HMX	.001	mg/L	U	N Y U	U			K028-03	19:39

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q-02													
YR3001	SW8330	METHOD	N 0 1	NITROBENZENE	.0004	mg/L	U	N Y U	U			K028-03	19:39
				RDX	.0004	mg/L	U	N Y U	UJ		05B	K028-03	19:39
				TETRYL	.0004	mg/L	U	N Y U	U			K028-03	19:39
YR3002	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y U	U			K028-04	21:35
				1,3-DNB	.0004	mg/L	U	N Y U	U			K028-04	21:35
				2,4,6-TNT	.0004	mg/L	U	N Y U	U			K028-04	21:35
				2,4-DNT	.0004	mg/L	U	N Y U	U			K028-04	21:35
				2,6-DNT	.0004	mg/L	U	N Y U	U			K028-04	21:35
				2-AM-4,6-DNT	.0004	mg/L	U	N Y U	U			K028-04	21:35
				2-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-04	21:35
				3-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-04	21:35
				4-AM-2,6-DNT	.0004	mg/L	U	N Y U	U			K028-04	21:35
				4-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-04	21:35
				HMX	.001	mg/L	U	N Y U	U			K028-04	21:35
				NITROBENZENE	.0004	mg/L	U	N Y U	U			K028-04	21:35
				RDX	.0004	mg/L	U	N Y U	UJ		05B	K028-04	21:35
				TETRYL	.0004	mg/L	U	N Y U	U			K028-04	21:35
YR3003	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y U	U			K028-05	22:13
				1,3-DNB	.0004	mg/L	U	N Y U	U			K028-05	22:13
				2,4,6-TNT	.0004	mg/L	U	N Y U	U			K028-05	22:13
				2,4-DNT	.0004	mg/L	U	N Y U	U			K028-05	22:13
				2,6-DNT	.0004	mg/L	U	N Y U	U			K028-05	22:13
				2-AM-4,6-DNT	.0004	mg/L	U	N Y U	U			K028-05	22:13
				2-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-05	22:13
				3-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-05	22:13
				4-AM-2,6-DNT	.0004	mg/L	U	N Y U	U			K028-05	22:13
				4-NITROTOLUENE	.0004	mg/L	U	N Y U	U			K028-05	22:13
				HMX	.001	mg/L	U	N Y U	U			K028-05	22:13
				NITROBENZENE	.0004	mg/L	U	N Y U	U			K028-05	22:13
				RDX	.0004	mg/L	U	N Y U	UJ		05B	K028-05	22:13
				TETRYL	.0004	mg/L	U	N Y U	U			K028-05	22:13
YR3001	EPA300.0	NONE	N 0 1	PERCHLORATE	.004	mg/L	U	N Y U	U			K028-03	20:37
YR3002	EPA300.0	NONE	N 0 1	PERCHLORATE	.004	mg/L	U	N Y U	U			K028-04	21:45
YR3003	EPA300.0	NONE	N 0 1	PERCHLORATE	.004	mg/L	U	N Y U	U			K028-05	22:03
10135Q01													
YR0001	SW6010B	SW3050	N 0 1	ALUMINUM	20000	mg/kg		Y Y P				J019-01	15:39
				ANTIMONY	11.3	mg/kg	U	N Y U	UJ		08A	J019-01	15:39
				ARSENIC	3.64	mg/kg		Y Y P				J019-01	18:00
				BARIUM	116	mg/kg		Y Y P				J019-01	15:39

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01													
YR0001	SW6010B	SW3050	N 0 1	BERYLLIUM	.622	mg/kg	J	Y Y P	J		15	J019-01	15:39
				CADMIUM	.564	mg/kg	U	N Y U	U			J019-01	15:39
				CALCIUM	5910	mg/kg		Y Y P				J019-01	15:39
				CHROMIUM	18.7	mg/kg		Y Y P				J019-01	15:39
				COBALT	22.2	mg/kg		Y Y P				J019-01	15:39
				COPPER	13.3	mg/kg		Y Y P	J		08A	J019-01	15:39
				IRON	12700	mg/kg		Y Y P				J019-01	15:39
				LEAD	16.5	mg/kg		Y Y P				J019-01	18:00
				MAGNESIUM	1280	mg/kg		Y Y P				J019-01	15:39
				MANGANESE	1190	mg/kg		Y Y P	J		08A	J019-01	15:39
				NICKEL	16.8	mg/kg		Y Y P				J019-01	15:39
				POTASSIUM	1110	mg/kg		Y Y P				J019-01	15:39
				SELENIUM	1.13	mg/kg	U	N Y U	U			J019-01	18:00
				SILVER	1.13	mg/kg	U	N Y U	U			J019-01	15:39
				SODIUM	47.2	mg/kg	J	Y Y P	J		15	J019-01	15:39
				THALLIUM	.968	mg/kg	J	Y Y P	J		15	J019-01	18:00
				VANADIUM	25.6	mg/kg		Y Y P				J019-01	15:39
				ZINC	26.4	mg/kg		Y Y P				J019-01	15:39
	SW7471A	TOTAL	N 0 1	MERCURY	.026	mg/kg	J	Y Y P	J		15	J019-01	16:19
YR0002	SW6010B	SW3050	N 0 1	ALUMINUM	23100	mg/kg		Y Y P				J019-02	15:34
				ANTIMONY	13.3	mg/kg	U	N Y U	UJ		08A	J019-02	15:34
				ARSENIC	5.54	mg/kg		Y Y P				J019-02	18:09
				BARIUM	78.5	mg/kg		Y Y P				J019-02	15:34
				BERYLLIUM	4.97	mg/kg		Y Y P				J019-02	15:34
				CADMIUM	.665	mg/kg	U	N Y U	U			J019-02	15:34
				CALCIUM	272	mg/kg		Y Y P				J019-02	15:34
				CHROMIUM	19	mg/kg		Y Y P				J019-02	15:34
				COBALT	43	mg/kg		Y Y P				J019-02	15:34
				COPPER	230	mg/kg		Y Y P	J		08A	J019-02	15:34
				IRON	26900	mg/kg		Y Y P				J019-02	15:34
				LEAD	27.6	mg/kg		Y Y P				J019-02	18:09
				MAGNESIUM	3230	mg/kg		Y Y P				J019-02	15:34
				MANGANESE	678	mg/kg		Y Y P	J		08A	J019-02	15:34
				NICKEL	54.6	mg/kg		Y Y P				J019-02	15:34
				POTASSIUM	4250	mg/kg		Y Y P				J019-02	15:34
				SELENIUM	1.33	mg/kg	U	N Y U	U			J019-02	18:09
				SILVER	1.33	mg/kg	U	N Y U	U			J019-02	15:34
				SODIUM	49	mg/kg	J	Y Y P	J		15	J019-02	15:34
				THALLIUM	1.83	mg/kg	J	Y Y P	J		15	J019-02	18:09
				VANADIUM	23.3	mg/kg		Y Y P				J019-02	15:34

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01													
YR0002	SW6010B	SW3050	N 0 1	ZINC	60.2	mg/kg		Y Y P				J019-02	15:34
	SW7471A	TOTAL	N 0 1	MERCURY	.035	mg/kg	J	Y Y P	J		15	J019-02	16:21
YR0003	SW6010B	SW3050	N 0 1	ALUMINUM	20900	mg/kg		Y Y P				J038-01	16:08
				ANTIMONY	11.1	mg/kg	U	N Y U	UJ		08A	J038-01	16:08
				ARSENIC	3.01	mg/kg		Y Y P				J038-01	18:52
				BARIUM	138	mg/kg		Y Y P				J038-01	16:08
				BERYLLIUM	1.5	mg/kg		Y Y P				J038-01	16:08
				CADMIUM	.555	mg/kg	U	N Y U	U			J038-01	16:08
				CALCIUM	301	mg/kg		Y Y P				J038-01	16:08
				CHROMIUM	15.5	mg/kg		Y Y P				J038-01	16:08
				COBALT	18	mg/kg		Y Y P				J038-01	16:08
				COPPER	10.1	mg/kg		Y Y P	J		08A	J038-01	16:08
				IRON	13000	mg/kg		Y Y P				J038-01	16:08
				LEAD	21	mg/kg		Y Y P				J038-01	18:52
				MAGNESIUM	1020	mg/kg		Y Y P				J038-01	16:08
				MANGANESE	2000	mg/kg		Y Y P	J		08A	J038-01	16:08
				NICKEL	16.4	mg/kg		Y Y P				J038-01	16:08
				POTASSIUM	1090	mg/kg		Y Y P				J038-01	16:08
				SELENIUM	.651	mg/kg	J	Y Y F	B		06B 15	J038-01	18:52
				SILVER	1.11	mg/kg	U	N Y U	U			J038-01	16:08
				SODIUM	40.9	mg/kg	J	Y Y P	J		15	J038-01	16:08
				THALLIUM	.798	mg/kg	J	Y Y P	J		15	J038-01	18:52
				VANADIUM	23.3	mg/kg		Y Y P				J038-01	16:08
				ZINC	29.4	mg/kg		Y Y P				J038-01	16:08
	SW7471A	TOTAL	N 0 1	MERCURY	.031	mg/kg	J	Y Y P	J		15	J038-01	16:51
YR0004	SW6010B	SW3050	N 0 1	ALUMINUM	13100	mg/kg		Y Y P				J038-02	16:13
				ANTIMONY	4.13	mg/kg	J	Y Y P	J		08A 15	J038-02	16:13
				ARSENIC	3.49	mg/kg		Y Y P				J038-02	18:57
				BARIUM	79.5	mg/kg		Y Y P				J038-02	16:13
				BERYLLIUM	.614	mg/kg	J	Y Y P	J		15	J038-02	16:13
				CADMIUM	.531	mg/kg	U	N Y U	U			J038-02	16:13
				CALCIUM	115	mg/kg		Y Y P				J038-02	16:13
				CHROMIUM	20.6	mg/kg		Y Y P				J038-02	16:13
				COBALT	9.42	mg/kg		Y Y P				J038-02	16:13
				COPPER	8.03	mg/kg		Y Y P	J		08A	J038-02	16:13
				IRON	20100	mg/kg		Y Y P				J038-02	16:13
				LEAD	10.1	mg/kg		Y Y P				J038-02	18:57
				MAGNESIUM	780	mg/kg		Y Y P				J038-02	16:13
				MANGANESE	319	mg/kg		Y Y P	J		08A	J038-02	16:13
				NICKEL	11.9	mg/kg		Y Y P				J038-02	16:13

Validation Qualifier Data Entry Verification

Run Date: July 24, 2001

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01													
YR0004	SW6010B	SW3050	N 0 1	POTASSIUM	1280	mg/kg		Y Y P				J038-02	16:13
				SELENIUM	.901	mg/kg	J	Y Y P	B		06B 15	J038-02	18:57
				SILVER	.507	mg/kg	J	Y Y P	J		15	J038-02	16:13
				SODIUM	41.8	mg/kg	J	Y Y P	J		15	J038-02	16:13
				THALLIUM	.938	mg/kg	J	Y Y P	J			J038-02	18:57
				VANADIUM	26.7	mg/kg		Y Y P				J038-02	16:13
				ZINC	16.8	mg/kg		Y Y P				J038-02	16:13
	SW7471A	TOTAL	N 0 1	MERCURY	.106	mg/kg	U	N Y U	U			J038-02	16:53
YR0005	SW6010B	SW3050	N 0 1	ALUMINUM	24300	mg/kg		Y Y P				J038-03	16:17
				ANTIMONY	11.4	mg/kg	U	N Y U	UJ		08A	J038-03	16:17
				ARSENIC	3.97	mg/kg		Y Y P				J038-03	19:01
				BARIUM	103	mg/kg		Y Y P				J038-03	16:17
				BERYLLIUM	.954	mg/kg	J	Y Y P	J		15	J038-03	16:17
				CADMIUM	.572	mg/kg	U	N Y U	U			J038-03	16:17
				CALCIUM	237	mg/kg		Y Y P				J038-03	16:17
				CHROMIUM	20.5	mg/kg		Y Y P				J038-03	16:17
				COBALT	14.9	mg/kg		Y Y P				J038-03	16:17
				COPPER	10.6	mg/kg		Y Y P	J		08A	J038-03	16:17
				IRON	15900	mg/kg		Y Y P				J038-03	16:17
				LEAD	21.3	mg/kg		Y Y P				J038-03	19:01
				MAGNESIUM	1000	mg/kg		Y Y P	J		08A	J038-03	16:17
				MANGANESE	1180	mg/kg		Y Y P				J038-03	16:17
				NICKEL	17.7	mg/kg		Y Y P				J038-03	16:17
				POTASSIUM	864	mg/kg		Y Y P				J038-03	16:17
				SELENIUM	1.14	mg/kg		Y Y F	B		06B	J038-03	19:01
				SILVER	1.14	mg/kg	U	N Y U	U			J038-03	16:17
				SODIUM	40.8	mg/kg	J	Y Y P	J		15	J038-03	16:17
				THALLIUM	2.29	mg/kg	U	N Y U	U			J038-03	19:01
				VANADIUM	30.2	mg/kg		Y Y P				J038-03	16:17
				ZINC	30.7	mg/kg		Y Y P				J038-03	16:17
	SW7471A	TOTAL	N 0 1	MERCURY	.061	mg/kg	J	Y Y P	J		15	J038-03	16:56
YR0006	SW6010B	SW3050	N 0 1	ALUMINUM	21000	mg/kg		Y Y				J038-04	16:22
				ANTIMONY	11.3	mg/kg	U	N Y U	UJ		08A	J038-04	16:22
				ARSENIC	2.94	mg/kg		Y Y				J038-04	19:06
				BARIUM	101	mg/kg		Y Y				J038-04	16:22
				BERYLLIUM	.97	mg/kg	J	Y Y	J		15	J038-04	16:22
				CADMIUM	.566	mg/kg	U	N Y U	U			J038-04	16:22
				CALCIUM	322	mg/kg		Y Y				J038-04	16:22
				CHROMIUM	15.5	mg/kg		Y Y				J038-04	16:22
				COBALT	14.4	mg/kg		Y Y				J038-04	16:22

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01													
YR0006	SW6010B	SW3050	N 0 1	COPPER	8.92	mg/kg		Y Y	J		08A	J038-04	16:22
				IRON	12500	mg/kg		Y Y				J038-04	16:22
				LEAD	22.6	mg/kg		Y Y				J038-04	19:06
				MAGNESIUM	846	mg/kg		Y Y				J038-04	16:22
				MANGANESE	1200	mg/kg		Y Y	J		08A	J038-04	16:22
				NICKEL	15.7	mg/kg		Y Y				J038-04	16:22
				POTASSIUM	788	mg/kg		Y Y				J038-04	16:22
				SELENIUM	1.1	mg/kg	J	Y Y	B		06B 15	J038-04	19:06
				SILVER	1.13	mg/kg	U	N Y U	U			J038-04	16:22
				SODIUM	41.7	mg/kg	J	Y Y	J		15	J038-04	16:22
				THALLIUM	2.26	mg/kg	U	N Y U	U			J038-04	19:06
				VANADIUM	24	mg/kg		Y Y				J038-04	16:22
				ZINC	28.7	mg/kg		Y Y				J038-04	16:22
	SW7471A	TOTAL	N 0 1	MERCURY	.061	mg/kg	J	Y Y	J		15	J038-04	16:58
YR0008	SW6010B	SW3050	N 0 1	ALUMINUM	10800	mg/kg		Y Y P				J038-05	16:27
				ANTIMONY	10.6	mg/kg	U	N Y U	UJ		08A	J038-05	16:27
				ARSENIC	2.97	mg/kg		Y Y P				J038-05	19:11
				BARIUM	82	mg/kg		Y Y P				J038-05	16:27
				BERYLLIUM	.42	mg/kg	J	Y Y P	J		15	J038-05	16:27
				CADMIUM	.529	mg/kg	U	N Y U	U			J038-05	16:27
				CALCIUM	92.8	mg/kg	J	Y Y P	J		15	J038-05	16:27
				CHROMIUM	20.1	mg/kg		Y Y P				J038-05	16:27
				COBALT	4.53	mg/kg		Y Y P				J038-05	16:27
				COPPER	8.9	mg/kg		Y Y P	J		08A	J038-05	16:27
				IRON	15600	mg/kg		Y Y P				J038-05	16:27
				LEAD	13.7	mg/kg		Y Y P				J038-05	19:11
				MAGNESIUM	467	mg/kg		Y Y P				J038-05	16:27
				MANGANESE	303	mg/kg		Y Y P	J		08A	J038-05	16:27
				NICKEL	11	mg/kg		Y Y P				J038-05	16:27
				POTASSIUM	592	mg/kg		Y Y P				J038-05	16:27
				SELENIUM	.64	mg/kg	J	Y Y F	B		06B 15	J038-05	19:11
				SILVER	1.06	mg/kg	U	N Y U	U			J038-05	16:27
				SODIUM	26	mg/kg	J	Y Y P	J		15	J038-05	16:27
				THALLIUM	2.12	mg/kg	U	N Y U	U			J038-05	19:11
				VANADIUM	23.4	mg/kg		Y Y P				J038-05	16:27
				ZINC	15.2	mg/kg		Y Y P				J038-05	16:27
	SW7471A	TOTAL	N 0 1	MERCURY	.027	mg/kg	J	Y Y P	J		15	J038-05	17:07
YR0009	SW6010B	SW3050	N 0 1	ALUMINUM	13200	mg/kg		Y Y P				J019-03	15:44
				ANTIMONY	11.2	mg/kg	U	N Y U	UJ		08A	J019-03	15:44
				ARSENIC	2.69	mg/kg		Y Y P				J019-03	18:14

Validation Qualifier Data Entry Verification

Run Date: July 24, 2001

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01															
YR0009	SW6010B	SW3050	N 0 1	BARIUM	148	mg/kg		Y	Y	P				J019-03	15:44
				BERYLLIUM	.78	mg/kg	J	Y	Y	P	J		15	J019-03	15:44
				CADMIUM	.562	mg/kg	U	N	Y	U	U			J019-03	15:44
				CALCIUM	248	mg/kg		Y	Y	P				J019-03	15:44
				CHROMIUM	11	mg/kg		Y	Y	P				J019-03	15:44
				COBALT	8.17	mg/kg		Y	Y	P				J019-03	15:44
				COPPER	7.28	mg/kg		Y	Y	P	J		08A	J019-03	15:44
				IRON	10300	mg/kg		Y	Y	P				J019-03	15:44
				LEAD	14	mg/kg		Y	Y	P				J019-03	18:14
				MAGNESIUM	543	mg/kg		Y	Y	P				J019-03	15:44
				MANGANESE	1470	mg/kg		Y	Y	P	J		08A	J019-03	15:44
				NICKEL	13.3	mg/kg		Y	Y	P				J019-03	15:44
				POTASSIUM	390	mg/kg	J	Y	Y	P	J		15	J019-03	15:44
				SELENIUM	1.12	mg/kg	U	N	Y	U	U			J019-03	18:14
				SILVER	1.12	mg/kg	U	N	Y	U	U			J019-03	15:44
				SODIUM	42.9	mg/kg	J	Y	Y	P	J		15	J019-03	15:44
				THALLIUM	.937	mg/kg	J	Y	Y	P	J		15	J019-03	18:14
				VANADIUM	15.4	mg/kg		Y	Y	P				J019-03	15:44
				ZINC	27.6	mg/kg		Y	Y	P				J019-03	15:44
	SW7471A	TOTAL	N 0 1	MERCURY	.035	mg/kg	J	Y	Y	P	J		15	J019-03	16:32
YR0010	SW6010B	SW3050	N 0 1	ALUMINUM	11200	mg/kg		Y	Y	P				J019-04	15:49
				ANTIMONY	11.2	mg/kg	U	N	Y	U	UJ		08A	J019-04	15:49
				ARSENIC	2.33	mg/kg		Y	Y	P				J019-04	18:18
				BARIUM	84.7	mg/kg		Y	Y	P				J019-04	15:49
				BERYLLIUM	.45	mg/kg	J	Y	Y	P	J		15	J019-04	15:49
				CADMIUM	.562	mg/kg	U	N	Y	U	U			J019-04	15:49
				CALCIUM	87.1	mg/kg	J	Y	Y	P	J		15	J019-04	15:49
				CHROMIUM	15.7	mg/kg		Y	Y	P				J019-04	15:49
				COBALT	2.51	mg/kg		Y	Y	P				J019-04	15:49
				COPPER	6.63	mg/kg		Y	Y	P	J		08A	J019-04	15:49
				IRON	17000	mg/kg		Y	Y	P				J019-04	15:49
				LEAD	6.86	mg/kg		Y	Y	P				J019-04	18:18
				MAGNESIUM	807	mg/kg		Y	Y	P				J019-04	15:49
				MANGANESE	51	mg/kg		Y	Y	P	J		08A	J019-04	15:49
				NICKEL	10.1	mg/kg		Y	Y	P				J019-04	15:49
				POTASSIUM	1540	mg/kg		Y	Y	P				J019-04	15:49
				SELENIUM	1.12	mg/kg	U	N	Y	U	U			J019-04	18:18
				SILVER	1.12	mg/kg	U	N	Y	U	U			J019-04	15:49
				SODIUM	27.7	mg/kg	J	Y	Y	P	J		15	J019-04	15:49
				THALLIUM	2.25	mg/kg	U	N	Y	U	U			J019-04	18:18

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01													
YR0010	SW6010B	SW3050	N 0 1	VANADIUM	20.2	mg/kg		Y Y P				J019-04	15:49
				ZINC	14.9	mg/kg		Y Y P				J019-04	15:49
	SW7471A	TOTAL	N 0 1	MERCURY	.112	mg/kg	U	N Y U	U			J019-04	16:40
YR0001	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J019-01	13:36
				1,3-DNB	.4	mg/kg	U	N Y U	U			J019-01	13:36
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J019-01	13:36
				2,4-DNT	.4	mg/kg	U	N Y U	U			J019-01	13:36
				2,6-DNT	.4	mg/kg	U	N Y U	U			J019-01	13:36
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J019-01	13:36
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-01	13:36
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-01	13:36
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J019-01	13:36
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-01	13:36
				HMX	.4	mg/kg	U	N Y U	U			J019-01	13:36
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J019-01	13:36
				RDX	.4	mg/kg	U	N Y U	U			J019-01	13:36
				TETRYL	.4	mg/kg	U	N Y U	U			J019-01	13:36
YR0002	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J019-02	14:15
				1,3-DNB	.4	mg/kg	U	N Y U	U			J019-02	14:15
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J019-02	14:15
				2,4-DNT	.4	mg/kg	U	N Y U	U			J019-02	14:15
				2,6-DNT	.4	mg/kg	U	N Y U	U			J019-02	14:15
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J019-02	14:15
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-02	14:15
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-02	14:15
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J019-02	14:15
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-02	14:15
				HMX	.4	mg/kg	U	N Y U	U			J019-02	14:15
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J019-02	14:15
				RDX	.4	mg/kg	U	N Y U	U			J019-02	14:15
				TETRYL	.4	mg/kg	U	N Y U	U			J019-02	14:15
YR0003	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J038-01	06:47
				1,3-DNB	.4	mg/kg	U	N Y U	U			J038-01	06:47
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J038-01	06:47
				2,4-DNT	.4	mg/kg	U	N Y U	U			J038-01	06:47
				2,6-DNT	.4	mg/kg	U	N Y U	U			J038-01	06:47
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J038-01	06:47
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-01	06:47
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-01	06:47
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J038-01	06:47

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01													
YR0003	SW8330	METHOD	N 0 1	4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-01	06:47
				HMX	.4	mg/kg	U	N Y U	U			J038-01	06:47
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J038-01	06:47
				RDX	.4	mg/kg	U	N Y U	U			J038-01	06:47
				TETRYL	.4	mg/kg	U	N Y U	U			J038-01	06:47
YR0004	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J038-02	09:46
				1,3-DNB	.4	mg/kg	U	N Y U	U			J038-02	09:46
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J038-02	09:46
				2,4-DNT	.4	mg/kg	U	N Y U	U			J038-02	09:46
				2,6-DNT	.4	mg/kg	U	N Y U	U			J038-02	09:46
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J038-02	09:46
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-02	09:46
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-02	09:46
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J038-02	09:46
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-02	09:46
				HMX	.4	mg/kg	U	N Y U	U			J038-02	09:46
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J038-02	09:46
				RDX	.4	mg/kg	U	N Y U	U			J038-02	09:46
				TETRYL	.4	mg/kg	U	N Y U	U			J038-02	09:46
YR0005	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J038-03	10:24
				1,3-DNB	.4	mg/kg	U	N Y U	U			J038-03	10:24
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J038-03	10:24
				2,4-DNT	.4	mg/kg	U	N Y U	U			J038-03	10:24
				2,6-DNT	.4	mg/kg	U	N Y U	U			J038-03	10:24
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J038-03	10:24
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-03	10:24
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-03	10:24
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J038-03	10:24
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-03	10:24
				HMX	.4	mg/kg	U	N Y U	U			J038-03	10:24
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J038-03	10:24
				RDX	.4	mg/kg	U	N Y U	U			J038-03	10:24
				TETRYL	.4	mg/kg	U	N Y U	U			J038-03	10:24
YR0006	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J038-04	11:03
				1,3-DNB	.4	mg/kg	U	N Y U	U			J038-04	11:03
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J038-04	11:03
				2,4-DNT	.4	mg/kg	U	N Y U	U			J038-04	11:03
				2,6-DNT	.4	mg/kg	U	N Y U	U			J038-04	11:03
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J038-04	11:03
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-04	11:03

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
10135Q01													
YR0006	SW8330	METHOD	N 0 1	3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-04	11:03
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J038-04	11:03
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-04	11:03
				HMX	.4	mg/kg	U	N Y U	U			J038-04	11:03
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J038-04	11:03
				RDX	.4	mg/kg	U	N Y U	U			J038-04	11:03
				TETRYL	.4	mg/kg	U	N Y U	U			J038-04	11:03
YR0008	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J038-05	11:41
				1,3-DNB	.4	mg/kg	U	N Y U	U			J038-05	11:41
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J038-05	11:41
				2,4-DNT	.4	mg/kg	U	N Y U	U			J038-05	11:41
				2,6-DNT	.4	mg/kg	U	N Y U	U			J038-05	11:41
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J038-05	11:41
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-05	11:41
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-05	11:41
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J038-05	11:41
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J038-05	11:41
				HMX	.4	mg/kg	U	N Y U	U			J038-05	11:41
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J038-05	11:41
				RDX	.4	mg/kg	U	N Y U	U			J038-05	11:41
				TETRYL	.4	mg/kg	U	N Y U	U			J038-05	11:41
YR0009	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J019-03	16:49
				1,3-DNB	.4	mg/kg	U	N Y U	U			J019-03	16:49
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J019-03	16:49
				2,4-DNT	.4	mg/kg	U	N Y U	U			J019-03	16:49
				2,6-DNT	.4	mg/kg	U	N Y U	U			J019-03	16:49
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U	U			J019-03	16:49
				2-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-03	16:49
				3-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-03	16:49
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U	U			J019-03	16:49
				4-NITROTOLUENE	.4	mg/kg	U	N Y U	U			J019-03	16:49
				HMX	.4	mg/kg	U	N Y U	U			J019-03	16:49
				NITROBENZENE	.4	mg/kg	U	N Y U	U			J019-03	16:49
				RDX	.4	mg/kg	U	N Y U	U			J019-03	16:49
				TETRYL	.4	mg/kg	U	N Y U	U			J019-03	16:49
YR0010	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U	U			J019-04	17:27
				1,3-DNB	.4	mg/kg	U	N Y U	U			J019-04	17:27
				2,4,6-TNT	.4	mg/kg	U	N Y U	U			J019-04	17:27
				2,4-DNT	.4	mg/kg	U	N Y U	U			J019-04	17:27
				2,6-DNT	.4	mg/kg	U	N Y U	U			J019-04	17:27

Validation Qualifier Data Entry Verification

Run Date: July 24, 2001

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val Qlfr	Val Code:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
10135Q01																				
YR0010	SW8330	METHOD	N	0	1	2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						HMX	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						RDX	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
						TETRYL	.4	mg/kg	U	N	Y	U	U						J019-04	17:27
YR0001	EPA300.0	NONE	N	0	1	PERCHLORATE	.0451	mg/kg	U	N	Y	U	U						J019-01	19:39
YR0002	EPA300.0	NONE	N	0	1	PERCHLORATE	.0532	mg/kg	U	N	Y	U	U						J019-02	19:56
YR0003	EPA300.0	NONE	N	0	1	PERCHLORATE	.0444	mg/kg	U	N	Y	U	U						J038-01	21:39
YR0004	EPA300.0	NONE	N	0	1	PERCHLORATE	.0425	mg/kg	U	N	Y	U	U						J038-02	21:56
YR0005	EPA300.0	NONE	N	0	1	PERCHLORATE	.0458	mg/kg	U	N	Y	U	U						J038-03	22:13
YR0006	EPA300.0	NONE	N	0	1	PERCHLORATE	.0452	mg/kg	U	N	Y	U	U						J038-04	23:39
YR0008	EPA300.0	NONE	N	0	1	PERCHLORATE	.0423	mg/kg	U	N	Y	U	U						J038-05	23:56
YR0009	EPA300.0	NONE	N	0	1	PERCHLORATE	.045	mg/kg	U	N	Y	U	U						J019-03	21:05
YR0010	EPA300.0	NONE	N	0	1	PERCHLORATE	.045	mg/kg	U	N	Y	U	U						J019-04	21:22