

APPENDIX F

DATA VALIDATION SUMMARY REPORT

***Data Validation Summary Report
For the Site Investigation Performed at the
Hand Grenade Range, Range 32, Parcel HR-90Q-X
Fort McClellan, Calhoun County, Alabama***

1.0 Introduction

Level III data validation was performed on 100% of the environmental samples collected for HR-90Q-X. The analytical data consisted of four sample delivery groups (SDG), 1090Q-01, 1090Q-02, 1090Q-03, and 090Q-04, which were analyzed by EMAX Laboratories. The chemical parameters for which the samples were analyzed, are identified below:

Parameter (Method)
Total Organic Carbon by SW 846 9060
Nitroaromatics and Nitramines by SW 846 8330
TAL Metals by SW 846 6010B/7470/7471

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-90Q. 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 Total Organic Carbon by SW 846 9060

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. 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 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
1090Q-01	YN0010	Cobalt	ICB/CCB	B
	YN0001, YN0002, YN0005, YN0006	Silver	ICB/CCB	B
1090Q-02	YN3001, YN3002, YN3004,	Lead	ICB/CCB	B
	YN3005	Aluminum, Iron, Selenium	ER	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
1090Q-01	YR0001, YR0002, YR0003, YR0004, YR0005, YR0006, YR0007, YR0008, YR0010, YR0011, YR0012	Antimony	J/UJ

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
1090Q-01	YR0001, YR0002, YR0003, YR0004, YR0005, YR0006, YR0007, YR0008, YR0010, YR0011, YR0012	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
1090Q-02	YN3005, YN3006	Aluminum, Barium	J/B

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

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Sample Number:	Analytical/Extraction Method:				Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
	Flt	REX	Dil:										1	2	3	4			
1090Q-03																			
YN3003	SW6010B	SW3010	N 0 1		ALUMINUM	2.13	mg/L		Y Y P									K207-02	16:33
					ANTIMONY	.1	mg/L	U	N Y U	U								K207-02	16:33
					ARSENIC	.01	mg/L	U	N Y U	U								K207-02	15:38
					BARIUM	.0414	mg/L		Y Y P									K207-02	16:33
					BERYLLIUM	.001	mg/L	U	N Y U	U								K207-02	16:33
					CADMIUM	.01	mg/L	U	N Y U	U								K207-02	16:33
					CALCIUM	.645	mg/L	J	Y Y P	J			15					K207-02	16:33
					CHROMIUM	.00711	mg/L	J	Y Y P	J			15					K207-02	16:33
					COBALT	.02	mg/L	U	N Y U	U								K207-02	16:33
					COPPER	.02	mg/L	U	N Y U	U								K207-02	16:33
					IRON	1.44	mg/L		Y Y P									K207-02	16:33
					LEAD	.01	mg/L	U	N Y U	U								K207-02	15:38
					MAGNESIUM	.441	mg/L	J	Y Y P	J			15					K207-02	16:33
					MANGANESE	.0951	mg/L		Y Y P									K207-02	16:33
					NICKEL	.02	mg/L	U	N Y U	U								K207-02	16:33
					POTASSIUM	5	mg/L	U	N Y U	U								K207-02	16:33
					SELENIUM	.01	mg/L	U	N Y U	U								K207-02	15:38
					SILVER	.01	mg/L	U	N Y U	U								K207-02	16:33
					SODIUM	1.47	mg/L		Y Y P									K207-02	16:33
					THALLIUM	.01	mg/L	U	N Y U	U								K207-02	15:38
					VANADIUM	.01	mg/L	U	N Y U	U								K207-02	16:33
					ZINC	.486	mg/L		Y Y P									K207-02	16:33
					SW7470A TOTAL N 0 1 MERCURY	.0005	mg/L	U	N Y U	U								K207-02	16:36
YN3003	SW8330	METHOD N 0 1			1,3,5-TNB	.0004	mg/L	U	N Y U	U								K207-02	03:02
					1,3-DNB	.0004	mg/L	U	N Y U	U								K207-02	03:02
					2,4,6-TNT	.0004	mg/L	U	N Y U	U								K207-02	03:02
					2,4-DNT	.0004	mg/L	U	N Y U	U								K207-02	03:02
					2,6-DNT	.0004	mg/L	U	N Y U	U								K207-02	03:02
					2-AM-4,6-DNT	.0004	mg/L	U	N Y U	U								K207-02	03:02
					2-NITROTOLUENE	.0004	mg/L	U	N Y U	U								K207-02	03:02
					3-NITROTOLUENE	.0004	mg/L	U	N Y U	U								K207-02	03:02
					4-AM-2,6-DNT	.0004	mg/L	U	N Y U	U								K207-02	03:02
					4-NITROTOLUENE	.0004	mg/L	U	N Y U	U								K207-02	03:02
					HMX	.001	mg/L	U	N Y U	U								K207-02	03:02
					NITROBENZENE	.0004	mg/L	U	N Y U	U								K207-02	03:02
					RDX	.0004	mg/L	U	N Y U	U								K207-02	03:02
					TETRYL	.0004	mg/L	U	N Y U	U								K207-02	03:02
1090Q-04																			
YN1001	SW6010B	SW3050	N 0 1		ALUMINUM	11800	mg/kg		Y Y P									A055-01	17:54

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Sample Number:	Analytical/Extraction Method: Flt REX Dil: Parameter:				Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
												1	2	3	4			
1090Q-04																		
YN1001	SW6010B	SW3050	N 0 1	ANTIMONY	12.5	mg/kg	U	N	Y	U	U	15	A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				ARSENIC	3.19	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	19:08
				BARIUM	97.6	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				BERYLLIUM	1.2	mg/kg	J	Y	Y	P	J		A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				CADMIUM	.627	mg/kg	U	N	Y	U	U		A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				CALCIUM	197	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				CHROMIUM	10.4	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				COBALT	9.71	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				COPPER	8.46	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				IRON	21600	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				LEAD	18.6	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	19:08
				MAGNESIUM	596	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				MANGANESE	617	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				NICKEL	5.92	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				POTASSIUM	2670	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				SELENIUM	.674	mg/kg	J	Y	Y	P	J		A055-01	A055-01	A055-01	A055-01	A055-01	19:08
				SILVER	1.25	mg/kg	U	N	Y	U	U		A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				SODIUM	37.5	mg/kg	J	Y	Y	P	J		A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				THALLIUM	2.51	mg/kg	U	N	Y	U	U		A055-01	A055-01	A055-01	A055-01	A055-01	19:08
				VANADIUM	15.3	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
				ZINC	33.8	mg/kg		Y	Y	P			A055-01	A055-01	A055-01	A055-01	A055-01	17:54
	SW7471A	TOTAL	N 0 1	MERCURY	.125	mg/kg	U	N	Y	U	U	15	A055-01	A055-01	A055-01	A055-01	A055-01	14:06
				ALUMINUM	3780	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				ANTIMONY	11.7	mg/kg	U	N	Y	U	U		A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				ARSENIC	2.22	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	19:14
				BARIUM	218	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				BERYLLIUM	.336	mg/kg	J	Y	Y	P	J		A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				CADMIUM	.585	mg/kg	U	N	Y	U	U		A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				CALCIUM	225	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				CHROMIUM	9.18	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				COBALT	10.3	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				COPPER	8.17	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				IRON	16100	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				LEAD	20.3	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	19:14
				MAGNESIUM	154	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				MANGANESE	948	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				NICKEL	4.19	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				POTASSIUM	977	mg/kg		Y	Y	P			A055-02	A055-02	A055-02	A055-02	A055-02	17:59
				SELENIUM	1.17	mg/kg	U	N	Y	U	U		A055-02	A055-02	A055-02	A055-02	A055-02	19:14
				SILVER	1.17	mg/kg	U	N	Y	U	U		A055-02	A055-02	A055-02	A055-02	A055-02	17:59

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Sample Number:	Analytical/Extraction Method:				Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	Flt	REX	Dil:										1	2	3	4		
1090Q-04																		
YN1002	SW6010B	SW3050	N	0	1	SODIUM	28.3	mg/kg	J	Y Y P	J	15					A055-02	17:59
						THALLIUM	1	mg/kg	J	Y Y P	J	15					A055-02	19:14
						VANADIUM	10.2	mg/kg		Y Y P						A055-02	17:59	
						ZINC	92	mg/kg		Y Y P						A055-02	17:59	
	SW7471A	TOTAL	N	0	1	MERCURY	.117	mg/kg	U	N Y U	U					A055-02	14:16	
YN1003	SW6010B	SW3050	N	0	1	ALUMINUM	5180	mg/kg		Y Y P						A055-03	18:03	
						ANTIMONY	11.3	mg/kg	U	N Y U	U					A055-03	18:03	
						ARSENIC	2.81	mg/kg		Y Y P						A055-03	19:19	
						BARIUM	96.4	mg/kg		Y Y P						A055-03	18:03	
						BERYLLIUM	.518	mg/kg	J	Y Y P	J	15				A055-03	18:03	
						CADMIUM	.566	mg/kg	U	N Y U	U					A055-03	18:03	
						CALCIUM	4030	mg/kg		Y Y P						A055-03	18:03	
						CHROMIUM	9.14	mg/kg		Y Y P						A055-03	18:03	
						COBALT	7.72	mg/kg		Y Y P						A055-03	18:03	
						COPPER	9.7	mg/kg		Y Y P						A055-03	18:03	
						IRON	17900	mg/kg		Y Y P						A055-03	18:03	
						LEAD	10.8	mg/kg		Y Y P						A055-03	19:19	
						MAGNESIUM	2510	mg/kg		Y Y P						A055-03	18:03	
						MANGANESE	905	mg/kg		Y Y P						A055-03	18:03	
						NICKEL	6.04	mg/kg		Y Y P						A055-03	18:03	
						POTASSIUM	1290	mg/kg		Y Y P						A055-03	18:03	
						SELENIUM	1.13	mg/kg	U	N Y U	U					A055-03	19:19	
						SILVER	1.13	mg/kg	U	N Y U	U					A055-03	18:03	
						SODIUM	33.9	mg/kg	J	Y Y P	J	15				A055-03	18:03	
						THALLIUM	.974	mg/kg	J	Y Y P	J	15				A055-03	19:19	
						VANADIUM	11.7	mg/kg		Y Y P						A055-03	18:03	
						ZINC	52.7	mg/kg		Y Y P						A055-03	18:03	
	SW7471A	TOTAL	N	0	1	MERCURY	.113	mg/kg	U	N Y U	U					A055-03	14:18	
YN1004	SW6010B	SW3050	N	0	1	ALUMINUM	16200	mg/kg		Y Y P						A055-04	18:08	
						ANTIMONY	14.2	mg/kg	U	N Y U	U					A055-04	18:08	
						ARSENIC	4.48	mg/kg		Y Y P						A055-04	19:23	
						BARIUM	163	mg/kg		Y Y P						A055-04	18:08	
						BERYLLIUM	1.55	mg/kg		Y Y P						A055-04	18:08	
						CADMIUM	.71	mg/kg	U	N Y U	U					A055-04	18:08	
						CALCIUM	410	mg/kg		Y Y P						A055-04	18:08	
						CHROMIUM	16	mg/kg		Y Y P						A055-04	18:08	
						COBALT	8.7	mg/kg		Y Y P						A055-04	18:08	
						COPPER	9.39	mg/kg		Y Y P						A055-04	18:08	
						IRON	25300	mg/kg		Y Y P						A055-04	18:08	
						LEAD	24.5	mg/kg		Y Y P						A055-04	19:23	

Validation Qualifier Data Entry Verification

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Sample Number:	Analytical/Extraction Method:				Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
	1	2	3	4																
1090Q-04																				
YN1004	SW6010B	SW3050	N	0	1	MAGNESIUM	788	mg/kg		Y	Y	P							A055-04	18:08
						MANGANESE	221	mg/kg		Y	Y	P							A055-04	18:08
						NICKEL	5.87	mg/kg		Y	Y	P							A055-04	18:08
						POTASSIUM	3490	mg/kg		Y	Y	P							A055-04	18:08
						SELENIUM	1.03	mg/kg	J	Y	Y	P	J			15		A055-04	19:23	
						SILVER	1.42	mg/kg	U	N	Y	U	U					A055-04	18:08	
						SODIUM	50.7	mg/kg	J	Y	Y	P	J			15		A055-04	18:08	
						THALLIUM	2.84	mg/kg	U	N	Y	U	U					A055-04	19:23	
						VANADIUM	25.4	mg/kg		Y	Y	P						A055-04	18:08	
						ZINC	24.8	mg/kg		Y	Y	P						A055-04	18:08	
	SW7471A	TOTAL	N	0	1	MERCURY	.142	mg/kg	U	N	Y	U	U					A055-04	14:20	
YN1001	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						1,3-DNB	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						2,4-DNT	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						HMX	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						RDX	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
						TETRYL	.4	mg/kg	U	N	Y	U	U					A055-01	05:28	
YN1002	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						1,3-DNB	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						2,4-DNT	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						HMX	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						RDX	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
						TETRYL	.4	mg/kg	U	N	Y	U	U					A055-02	06:08	
YN1003	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A055-03	06:48	

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											1	2	3	4		
1090Q-04																
YN1003	SW8330	METHOD N 0 1	1,3-DNB	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			2,4-DNT	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			HMX	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			RDX	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
			TETRYL	.4	mg/kg	U	N	Y	U	U					A055-03	06:48
YN1004	SW8330	METHOD N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			1,3-DNB	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			2,4,6-TNT	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			2,4-DNT	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			HMX	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			NITROBENZENE	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			RDX	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
			TETRYL	.4	mg/kg	U	N	Y	U	U					A055-04	07:29
YN1001	SW9060	NONE N 0 2	TOC	201	mg/kg		Y	Y	P						A055-01	17:00
YN1002	SW9060	NONE N 0 1	TOC	30.1	mg/kg		Y	Y	P						A055-02	17:30
YN1003	SW9060	NONE N 0 2	TOC	71.3	mg/kg		Y	Y	P						A055-03	18:00
YN1004	SW9060	NONE N 0 2	TOC	196	mg/kg		Y	Y	P						A055-04	18:30
1090Q01																
YN0001	SW6010B	SW3050 N 0 1	ALUMINUM	8240	mg/kg		Y	Y	P						J008-04	22:19
			ANTIMONY	10.8	mg/kg	U	N	Y	U	UJ		08A			J008-04	22:19
			ARSENIC	3.51	mg/kg		Y	Y	P						J008-04	15:03
			BARIUM	60.6	mg/kg		Y	Y	P						J008-04	22:19
			BERYLLIUM	.462	mg/kg	J	Y	Y	P	J		15			J008-04	22:19
			CADMIUM	.539	mg/kg	U	N	Y	U	U					J008-04	22:19
			CALCIUM	1980	mg/kg		Y	Y	P						J008-04	22:19

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											1	2	3	4		
1090Q01																
YN0001	SW6010B	SW3050	N 0 1	CHROMIUM	16.6	mg/kg	Y	Y	P						J008-04	22:19
				COBALT	3.48	mg/kg	Y	Y	P						J008-04	22:19
				COPPER	11.2	mg/kg	Y	Y	P						J008-04	22:19
				IRON	15400	mg/kg	Y	Y	P						J008-04	22:19
				LEAD	9.07	mg/kg	Y	Y	P						J008-04	15:03
				MAGNESIUM	828	mg/kg	Y	Y	P						J008-04	22:19
				MANGANESE	195	mg/kg	Y	Y	P						J008-04	22:19
				NICKEL	11	mg/kg	Y	Y	P						J008-04	22:19
				POTASSIUM	608	mg/kg	Y	Y	P						J008-04	22:19
				SELENIUM	.995	mg/kg	J	Y	P	J	15				J008-04	15:03
				SILVER	.457	mg/kg	J	Y	F	B	06B	15			J008-04	22:19
				SODIUM	30.2	mg/kg	J	Y	P	J	15				J008-04	22:19
				THALLIUM	2.16	mg/kg	U	N	Y	U	U				J008-04	15:03
				VANADIUM	16.9	mg/kg	Y	Y	P						J008-04	22:19
				ZINC	41.6	mg/kg	Y	Y	P	J	13				J008-04	22:19
	SW7471A	TOTAL	N 0 1	MERCURY	.032	mg/kg	J	Y	Y	P	J	15			J008-04	18:40
YN0002	SW6010B	SW3050	N 0 1	ALUMINUM	10800	mg/kg	Y	Y	P						J008-05	22:24
				ANTIMONY	10.4	mg/kg	U	N	Y	U	UJ	08A			J008-05	22:24
				ARSENIC	6.98	mg/kg	Y	Y	P						J008-05	15:11
				BARIUM	42	mg/kg	Y	Y	P						J008-05	22:24
				BERYLLIUM	.396	mg/kg	J	Y	Y	P	J	15			J008-05	22:24
				CADMİUM	.521	mg/kg	U	N	Y	U	U				J008-05	22:24
				CALCIUM	139	mg/kg	Y	Y	P						J008-05	22:24
				CHROMIUM	16.7	mg/kg	Y	Y	P						J008-05	22:24
				COBALT	2.36	mg/kg	Y	Y	P						J008-05	22:24
				COPPER	34.3	mg/kg	Y	Y	P						J008-05	22:24
				IRON	29800	mg/kg	Y	Y	P						J008-05	22:24
				LEAD	12.1	mg/kg	Y	Y	P						J008-05	15:11
				MAGNESIUM	397	mg/kg	Y	Y	P						J008-05	22:24
				MANGANESE	63.5	mg/kg	Y	Y	P						J008-05	22:24
				NICKEL	9.69	mg/kg	Y	Y	P						J008-05	22:24
				POTASSIUM	821	mg/kg	Y	Y	P						J008-05	22:24
				SELENIUM	1.61	mg/kg	Y	Y	P						J008-05	15:11
				SILVER	.498	mg/kg	J	Y	Y	F	B	06B	15		J008-05	22:24
				SODIUM	42.4	mg/kg	J	Y	Y	P	J	15			J008-05	22:24
				THALLIUM	.634	mg/kg	J	Y	Y	P	J	15			J008-05	15:11
				VANADIUM	29.5	mg/kg	Y	Y	P						J008-05	22:24
				ZINC	39.7	mg/kg	Y	Y	P	J	13				J008-05	22:24
	SW7471A	TOTAL	N 0 1	MERCURY	.104	mg/kg	U	N	Y	U	U				J008-05	18:51
YN0003	SW6010B	SW3050	N 0 1	ALUMINUM	12700	mg/kg	Y	Y	P						J008-06	22:29

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											1	2	3	4		
1090Q01																
YN0003	SW6010B	SW3050	N 0 1	ANTIMONY	11.2	mg/kg	U	N Y U	UJ	08A					J008-06	22:29
				ARSENIC	3.94	mg/kg		Y Y P							J008-06	15:16
				BARIUM	125	mg/kg		Y Y P							J008-06	22:29
				BERYLLIUM	.825	mg/kg	J	Y Y P	J					15	J008-06	22:29
				CADMIUM	.559	mg/kg	U	N Y U	U						J008-06	22:29
				CALCIUM	365	mg/kg		Y Y P							J008-06	22:29
				CHROMIUM	13.9	mg/kg		Y Y P							J008-06	22:29
				COBALT	7.28	mg/kg		Y Y P							J008-06	22:29
				COPPER	15.9	mg/kg		Y Y P							J008-06	22:29
				IRON	16800	mg/kg		Y Y P							J008-06	22:29
				LEAD	13.2	mg/kg		Y Y P							J008-06	15:16
				MAGNESIUM	643	mg/kg		Y Y P							J008-06	22:29
				MANGANESE	896	mg/kg		Y Y P							J008-06	22:29
				NICKEL	11.9	mg/kg		Y Y P							J008-06	22:29
				POTASSIUM	1120	mg/kg		Y Y P							J008-06	22:29
				SELENIUM	.667	mg/kg	J	Y Y P	J					15	J008-06	15:16
				SILVER	1.12	mg/kg	U	N Y U	U						J008-06	22:29
				SODIUM	41.2	mg/kg	J	Y Y P	J					15	J008-06	22:29
				THALLIUM	2.23	mg/kg	U	N Y U	U						J008-06	15:16
				VANADIUM	18.2	mg/kg		Y Y P							J008-06	22:29
				ZINC	20.3	mg/kg		Y Y P	J					13	J008-06	22:29
	SW7471A	TOTAL	N 0 1	MERCURY	.112	mg/kg	U	N Y U	U						J008-06	18:53
YN0004	SW6010B	SW3050	N 0 1	ALUMINUM	10200	mg/kg		Y Y P							J008-07	22:34
				ANTIMONY	10.6	mg/kg	U	N Y U	UJ	08A					J008-07	22:34
				ARSENIC	5.34	mg/kg		Y Y P							J008-07	15:21
				BARIUM	97.6	mg/kg		Y Y P							J008-07	22:34
				BERYLLIUM	.911	mg/kg	J	Y Y P	J					15	J008-07	22:34
				CADMIUM	.531	mg/kg	U	N Y U	U						J008-07	22:34
				CALCIUM	230	mg/kg		Y Y P							J008-07	22:34
				CHROMIUM	16.3	mg/kg		Y Y P							J008-07	22:34
				COBALT	8.89	mg/kg		Y Y P							J008-07	22:34
				COPPER	16.9	mg/kg		Y Y P							J008-07	22:34
				IRON	29400	mg/kg		Y Y P							J008-07	22:34
				LEAD	10.8	mg/kg		Y Y P							J008-07	15:21
				MAGNESIUM	889	mg/kg		Y Y P							J008-07	22:34
				MANGANESE	471	mg/kg		Y Y P							J008-07	22:34
				NICKEL	15.2	mg/kg		Y Y P							J008-07	22:34
				POTASSIUM	2570	mg/kg		Y Y P							J008-07	22:34
				SELENIUM	.518	mg/kg	J	Y Y P	J					15	J008-07	15:21
				SILVER	1.06	mg/kg	U	N Y U	U						J008-07	22:34

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	Flt	REX	Dil:									1	2	3	4		
1090Q01																	
YN0004	SW6010B	SW3050	N 0 1	SODIUM	44.6	mg/kg	J	Y Y P	J	15		J008-07					22:34
				THALLIUM	2.13	mg/kg	U	N Y U	U			J008-07					15:21
				VANADIUM	16.6	mg/kg		Y Y P				J008-07					22:34
				ZINC	26.7	mg/kg		Y Y P	J	13		J008-07					22:34
	SW7471A	TOTAL	N 0 1	MERCURY	.106	mg/kg	U	N Y U	U			J008-07					18:59
YN0005	SW6010B	SW3050	N 0 1	ALUMINUM	8110	mg/kg		Y Y P				J008-08					22:54
				ANTIMONY	11.1	mg/kg	U	N Y U	UJ	08A		J008-08					22:54
				ARSENIC	3.39	mg/kg		Y Y P				J008-08					15:54
				BARIUM	144	mg/kg		Y Y P				J008-08					22:54
				BERYLLIUM	.472	mg/kg	J	Y Y P	J	15		J008-08					22:54
				CADMIUM	.557	mg/kg	U	N Y U	U			J008-08					22:54
				CALCIUM	243	mg/kg		Y Y P				J008-08					22:54
				CHROMIUM	14	mg/kg		Y Y P				J008-08					22:54
				COBALT	4.05	mg/kg		Y Y P				J008-08					22:54
				COPPER	11.3	mg/kg		Y Y P				J008-08					22:54
				IRON	19600	mg/kg		Y Y P				J008-08					22:54
				LEAD	19.5	mg/kg		Y Y P				J008-08					15:54
				MAGNESIUM	250	mg/kg		Y Y P				J008-08					22:54
				MANGANESE	601	mg/kg		Y Y P				J008-08					22:54
				NICKEL	9.18	mg/kg		Y Y P				J008-08					22:54
				POTASSIUM	2500	mg/kg		Y Y P				J008-08					22:54
				SELENIUM	1.11	mg/kg	U	N Y U	U			J008-08					15:54
				SILVER	.514	mg/kg	J	Y Y F	B	06B 15		J008-08					22:54
				SODIUM	42.4	mg/kg	J	Y Y P	J	15		J008-08					22:54
				THALLIUM	2.23	mg/kg	U	N Y U	U			J008-08					15:54
				VANADIUM	16.5	mg/kg		Y Y P				J008-08					22:54
				ZINC	83.5	mg/kg		Y Y P	J	13		J008-08					22:54
	SW7471A	TOTAL	N 0 1	MERCURY	.111	mg/kg	U	N Y U	U			J008-08					19:01
YN0006	SW6010B	SW3050	N 0 1	ALUMINUM	17000	mg/kg		Y Y P				J008-09					23:00
				ANTIMONY	11.6	mg/kg	U	N Y U	UJ	08A		J008-09					23:00
				ARSENIC	5	mg/kg		Y Y P				J008-09					15:59
				BARIUM	135	mg/kg		Y Y P				J008-09					23:00
				BERYLLIUM	.53	mg/kg	J	Y Y P	J	15		J008-09					23:00
				CADMIUM	.579	mg/kg	U	N Y U	U			J008-09					23:00
				CALCIUM	66.2	mg/kg	J	Y Y P	J	15		J008-09					23:00
				CHROMIUM	14.3	mg/kg		Y Y P				J008-09					23:00
				COBALT	11.4	mg/kg		Y Y P				J008-09					23:00
				COPPER	10.9	mg/kg		Y Y P				J008-09					23:00
				IRON	24000	mg/kg		Y Y P				J008-09					23:00
				LEAD	14.9	mg/kg		Y Y P				J008-09					15:59

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	Flt	REX	Dil:									1	2	3	4		
1090Q01																	
YN0006	SW6010B	SW3050	N 0 1	MAGNESIUM	605	mg/kg		Y Y P								J008-09	23:00
				MANGANESE	435	mg/kg		Y Y P								J008-09	23:00
				NICKEL	9.23	mg/kg		Y Y P								J008-09	23:00
				POTASSIUM	1900	mg/kg		Y Y P								J008-09	23:00
				SELENIUM	.56	mg/kg	J	Y Y P J			15					J008-09	15:59
				SILVER	.61	mg/kg	J	Y Y F B		06B	15					J008-09	23:00
				SODIUM	30.9	mg/kg	J	Y Y P J			15					J008-09	23:00
				THALLIUM	2.32	mg/kg	U	N Y U U								J008-09	15:59
				VANADIUM	21.1	mg/kg		Y Y P								J008-09	23:00
				ZINC	20.9	mg/kg		Y Y P J			13					J008-09	23:00
	SW7471A	TOTAL	N 0 1	MERCURY	.116	mg/kg	U	N Y U U								J008-09	19:03
YN0007	SW6010B	SW3050	N 0 1	ALUMINUM	6020	mg/kg		Y Y P								J008-10	23:05
				ANTIMONY	10.8	mg/kg	U	N Y U UJ			08A					J008-10	23:05
				ARSENIC	2.97	mg/kg		Y Y P								J008-10	16:04
				BARIUM	118	mg/kg		Y Y P								J008-10	23:05
				BERYLLIUM	.485	mg/kg	J	Y Y P J			15					J008-10	23:05
				CADMIUM	.538	mg/kg	U	N Y U U								J008-10	23:05
				CALCIUM	5060	mg/kg		Y Y P								J008-10	23:05
				CHROMIUM	10.7	mg/kg		Y Y P								J008-10	23:05
				COBALT	4.21	mg/kg		Y Y P								J008-10	23:05
				COPPER	8.54	mg/kg		Y Y P								J008-10	23:05
				IRON	13400	mg/kg		Y Y P								J008-10	23:05
				LEAD	11.5	mg/kg		Y Y P								J008-10	16:04
				MAGNESIUM	3180	mg/kg		Y Y P								J008-10	23:05
				MANGANESE	457	mg/kg		Y Y P								J008-10	23:05
				NICKEL	8.81	mg/kg		Y Y P								J008-10	23:05
				POTASSIUM	2810	mg/kg		Y Y P								J008-10	23:05
				SELENIUM	1.08	mg/kg	U	N Y U U								J008-10	16:04
				SILVER	1.08	mg/kg	U	N Y U U								J008-10	23:05
				SODIUM	35.6	mg/kg	J	Y Y P J			15					J008-10	23:05
				THALLIUM	2.15	mg/kg	U	N Y U U								J008-10	16:04
				VANADIUM	13	mg/kg		Y Y P								J008-10	23:05
				ZINC	15.4	mg/kg		Y Y P J			13					J008-10	23:05
	SW7471A	TOTAL	N 0 1	MERCURY	.108	mg/kg	U	N Y U U								J008-10	19:06
YN0008	SW6010B	SW3050	N 0 1	ALUMINUM	5710	mg/kg		Y Y								J008-11	23:10
				ANTIMONY	11	mg/kg	U	N Y UJ			08A					J008-11	23:10
				ARSENIC	3.35	mg/kg		Y Y								J008-11	16:09
				BARIUM	121	mg/kg		Y Y								J008-11	23:10
				BERYLLIUM	.533	mg/kg	J	Y Y J			15					J008-11	23:10
				CADMIUM	.552	mg/kg	U	N Y U								J008-11	23:10

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											1	2	3	4				
1090Q01																		
YN0008	SW6010B	SW3050	N 0 1	CALCIUM	4140	mg/kg		Y Y								J008-11	23:10	
				CHROMIUM	10.2	mg/kg		Y Y								J008-11	23:10	
				COBALT	4.63	mg/kg		Y Y								J008-11	23:10	
				COPPER	9.91	mg/kg		Y Y								J008-11	23:10	
				IRON	16800	mg/kg		Y Y								J008-11	23:10	
				LEAD	13.8	mg/kg		Y Y								J008-11	16:09	
				MAGNESIUM	2620	mg/kg		Y Y								J008-11	23:10	
				MANGANESE	511	mg/kg		Y Y								J008-11	23:10	
				NICKEL	9.03	mg/kg		Y Y								J008-11	23:10	
				POTASSIUM	2000	mg/kg		Y Y								J008-11	23:10	
				SELENIUM	1.1	mg/kg	U	N Y		U						J008-11	16:09	
				SILVER	1.1	mg/kg	U	N Y		U						J008-11	23:10	
				SODIUM	53.3	mg/kg	J	Y Y		J			15			J008-11	23:10	
				THALLIUM	.676	mg/kg	J	Y Y		J			15			J008-11	16:09	
				VANADIUM	14.2	mg/kg		Y Y								J008-11	23:10	
				ZINC	17.4	mg/kg		Y Y		J			13			J008-11	23:10	
	SW7471A	TOTAL	N 0 1	MERCURY	.11	mg/kg	U	N Y		U						J008-11	19:08	
YN0010	SW6010B	SW3050	N 0 1	ALUMINUM	7830	mg/kg		Y Y P								J008-12	23:15	
				ANTIMONY	11.5	mg/kg	U	N Y U	UJ				08A			J008-12	23:15	
				ARSENIC	4.41	mg/kg		Y Y P								J008-12	16:13	
				BARIUM	82.7	mg/kg		Y Y P								J008-12	23:15	
				BERYLLIUM	.365	mg/kg	J	Y Y P	J			15				J008-12	23:15	
				CADMIUM	.573	mg/kg	U	N Y U	U							J008-12	23:15	
				CALCIUM	661	mg/kg		Y Y P								J008-12	23:15	
				CHROMIUM	6.05	mg/kg		Y Y P								J008-12	23:15	
				COBALT	1.14	mg/kg	J	Y Y F	B		06B 15					J008-12	23:15	
				COPPER	6.12	mg/kg		Y Y P								J008-12	23:15	
				IRON	5610	mg/kg		Y Y P								J008-12	23:15	
				LEAD	5.29	mg/kg		Y Y P								J008-12	16:13	
				MAGNESIUM	618	mg/kg		Y Y P								J008-12	23:15	
				MANGANESE	12.8	mg/kg		Y Y P								J008-12	23:15	
				NICKEL	7.07	mg/kg		Y Y P								J008-12	23:15	
				POTASSIUM	5150	mg/kg		Y Y P								J008-12	23:15	
				SELENIUM	1.15	mg/kg	U	N Y U	U							J008-12	16:13	
				SILVER	1.15	mg/kg	U	N Y U	U							J008-12	23:15	
				SODIUM	55.3	mg/kg	J	Y Y P	J		15					J008-12	23:15	
				THALLIUM	2.29	mg/kg	U	N Y U	U							J008-12	16:13	
				VANADIUM	6.76	mg/kg		Y Y P								J008-12	23:15	
				ZINC	7.09	mg/kg		Y Y P	J		13					J008-12	23:15	
	SW7471A	TOTAL	N 0 1	MERCURY	.115	mg/kg	U	N Y U	U								J008-12	19:10

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												1	2	3	4			
1090Q01																		
YN0011	SW6010B	SW3050	N 0 1	ALUMINUM	6130	mg/kg		Y Y P									J008-13	23:20
				ANTIMONY	11.1	mg/kg	U	N Y U	UJ								J008-13	23:20
				ARSENIC	3	mg/kg		Y Y P									J008-13	16:18
				BARIUM	37.5	mg/kg		Y Y P									J008-13	23:20
				BERYLLIUM	.344	mg/kg	J	Y Y P	J								J008-13	23:20
				CADMIUM	.554	mg/kg	U	N Y U	U								J008-13	23:20
				CALCIUM	363	mg/kg		Y Y P									J008-13	23:20
				CHROMIUM	10.4	mg/kg		Y Y P									J008-13	23:20
				COBALT	2.5	mg/kg		Y Y P									J008-13	23:20
				COPPER	9.98	mg/kg		Y Y P									J008-13	23:20
				IRON	14400	mg/kg		Y Y P									J008-13	23:20
				LEAD	14	mg/kg		Y Y P									J008-13	16:18
				MAGNESIUM	333	mg/kg		Y Y P									J008-13	23:20
				MANGANESE	186	mg/kg		Y Y P									J008-13	23:20
				NICKEL	10.5	mg/kg		Y Y P									J008-13	23:20
				POTASSIUM	1670	mg/kg		Y Y P									J008-13	23:20
				SELENIUM	1.11	mg/kg	U	N Y U	U								J008-13	16:18
				SILVER	1.11	mg/kg	U	N Y U	U								J008-13	23:20
				SODIUM	25.3	mg/kg	J	Y Y P	J								J008-13	23:20
				THALLIUM	2.21	mg/kg	U	N Y U	U								J008-13	16:18
				VANADIUM	10.5	mg/kg		Y Y P									J008-13	23:20
				ZINC	220	mg/kg		Y Y P	J								J008-13	23:20
	YN0012	SW7471A	TOTAL	MERCURY	.111	mg/kg	U	N Y U	U								J008-13	19:13
				ALUMINUM	8360	mg/kg		Y Y P									J008-14	23:25
				ANTIMONY	11.5	mg/kg	U	N Y U	UJ								J008-14	23:25
				ARSENIC	7.57	mg/kg		Y Y P									J008-14	16:23
				BARIUM	95.1	mg/kg		Y Y P									J008-14	23:25
				BERYLLIUM	1.17	mg/kg		Y Y P									J008-14	23:25
				CADMIUM	.576	mg/kg	U	N Y U	U								J008-14	23:25
				CALCIUM	53.5	mg/kg	J	Y Y P	J								J008-14	23:25
				CHROMIUM	9.03	mg/kg		Y Y P									J008-14	23:25
				COBALT	7.63	mg/kg		Y Y P									J008-14	23:25
				COPPER	24.4	mg/kg		Y Y P									J008-14	23:25
				IRON	34100	mg/kg		Y Y P									J008-14	23:25
				LEAD	14.4	mg/kg		Y Y P									J008-14	16:23
				MAGNESIUM	490	mg/kg		Y Y P									J008-14	23:25
				MANGANESE	158	mg/kg		Y Y P									J008-14	23:25
				NICKEL	14.4	mg/kg		Y Y P									J008-14	23:25
				POTASSIUM	6250	mg/kg		Y Y P									J008-14	23:25
				SELENIUM	1.15	mg/kg	U	N Y U	U								J008-14	16:23

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											1	2	3	4			
1090Q01																	
YN0012	SW6010B	SW3050	N 0 1	SILVER	1.15	mg/kg	U	N Y U U								J008-14	23:25
				SODIUM	55.6	mg/kg	J	Y Y P J								J008-14	23:25
				THALLIUM	.968	mg/kg	J	Y Y P J								J008-14	16:23
				VANADIUM	13.9	mg/kg		Y Y P								J008-14	23:25
				ZINC	23.5	mg/kg		Y Y P J								J008-14	23:25
	SW7471A	TOTAL	N 0 1	MERCURY	.115	mg/kg	U	N Y U U								J008-14	19:15
YN0001	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U U								J008-04	18:06
				1,3-DNB	.4	mg/kg	U	N Y U U								J008-04	18:06
				2,4,6-TNT	.4	mg/kg	U	N Y U U								J008-04	18:06
				2,4-DNT	.4	mg/kg	U	N Y U U								J008-04	18:06
				2,6-DNT	.4	mg/kg	U	N Y U U								J008-04	18:06
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U U								J008-04	18:06
				2-NITROTOLUENE	.4	mg/kg	U	N Y U U								J008-04	18:06
				3-NITROTOLUENE	.4	mg/kg	U	N Y U U								J008-04	18:06
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U U								J008-04	18:06
				4-NITROTOLUENE	.4	mg/kg	U	N Y U U								J008-04	18:06
				HMX	.4	mg/kg	U	N Y U U								J008-04	18:06
				NITROBENZENE	.4	mg/kg	U	N Y U U								J008-04	18:06
				RDX	.4	mg/kg	U	N Y U U								J008-04	18:06
				TETRYL	.4	mg/kg	U	N Y U U								J008-04	18:06
YN0002	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U U								J008-05	20:02
				1,3-DNB	.4	mg/kg	U	N Y U U								J008-05	20:02
				2,4,6-TNT	.4	mg/kg	U	N Y U U								J008-05	20:02
				2,4-DNT	.4	mg/kg	U	N Y U U								J008-05	20:02
				2,6-DNT	.4	mg/kg	U	N Y U U								J008-05	20:02
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U U								J008-05	20:02
				2-NITROTOLUENE	.4	mg/kg	U	N Y U U								J008-05	20:02
				3-NITROTOLUENE	.4	mg/kg	U	N Y U U								J008-05	20:02
				4-AM-2,6-DNT	.4	mg/kg	U	N Y U U								J008-05	20:02
				4-NITROTOLUENE	.4	mg/kg	U	N Y U U								J008-05	20:02
				HMX	.4	mg/kg	U	N Y U U								J008-05	20:02
				NITROBENZENE	.4	mg/kg	U	N Y U U								J008-05	20:02
				RDX	.4	mg/kg	U	N Y U U								J008-05	20:02
				TETRYL	.4	mg/kg	U	N Y U U								J008-05	20:02
YN0003	SW8330	METHOD	N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y U U								J008-06	20:40
				1,3-DNB	.4	mg/kg	U	N Y U U								J008-06	20:40
				2,4,6-TNT	.4	mg/kg	U	N Y U U								J008-06	20:40
				2,4-DNT	.4	mg/kg	U	N Y U U								J008-06	20:40
				2,6-DNT	.4	mg/kg	U	N Y U U								J008-06	20:40
				2-AM-4,6-DNT	.4	mg/kg	U	N Y U U								J008-06	20:40

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											1	2	3	4			
1090Q01																	
YN0003	SW8330	METHOD N 0 1	2-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-06	20:40
			3-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-06	20:40
			4-AM-2,6-DNT	.4	mg/kg	U	N Y	U	U							J008-06	20:40
			4-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-06	20:40
			HMX	.4	mg/kg	U	N Y	U	U							J008-06	20:40
			NITROBENZENE	.4	mg/kg	U	N Y	U	U							J008-06	20:40
			RDX	.4	mg/kg	U	N Y	U	U							J008-06	20:40
			TETRYL	.4	mg/kg	U	N Y	U	U							J008-06	20:40
YN0004	SW8330	METHOD N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			1,3-DNB	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			2,4,6-TNT	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			2,4-DNT	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			2,6-DNT	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			2-AM-4,6-DNT	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			2-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			3-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			4-AM-2,6-DNT	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			4-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			HMX	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			NITROBENZENE	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			RDX	.4	mg/kg	U	N Y	U	U							J008-07	21:19
			TETRYL	.4	mg/kg	U	N Y	U	U							J008-07	21:19
YN0005	SW8330	METHOD N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			1,3-DNB	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			2,4,6-TNT	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			2,4-DNT	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			2,6-DNT	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			2-AM-4,6-DNT	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			2-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			3-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			4-AM-2,6-DNT	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			4-NITROTOLUENE	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			HMX	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			NITROBENZENE	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			RDX	.4	mg/kg	U	N Y	U	U							J008-08	21:57
			TETRYL	.4	mg/kg	U	N Y	U	U							J008-08	21:57
YN0006	SW8330	METHOD N 0 1	1,3,5-TNB	.4	mg/kg	U	N Y	U	U							J008-09	22:35
			1,3-DNB	.4	mg/kg	U	N Y	U	U							J008-09	22:35
			2,4,6-TNT	.4	mg/kg	U	N Y	U	U							J008-09	22:35
			2,4-DNT	.4	mg/kg	U	N Y	U	U							J008-09	22:35

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Sample Number:	Analytical/Extraction				Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:	
	Method:	Flt	REX	Dil:											
1090Q01															
YN0006	SW8330	METHOD	N	0	1	2,6-DNT	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						HMX	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						RDX	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
						TETRYL	.4	mg/kg	U	N	Y	U	U	J008-09	22:35
YN0007	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						1,3-DNB	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						2,4,6-TNT	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						2,4-DNT	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						2,6-DNT	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						HMX	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						NITROBENZENE	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						RDX	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
						TETRYL	.4	mg/kg	U	N	Y	U	U	J008-10	23:52
YN0008	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y		U	J008-11	00:31
						1,3-DNB	.4	mg/kg	U	N	Y		U	J008-11	00:31
						2,4,6-TNT	.4	mg/kg	U	N	Y		U	J008-11	00:31
						2,4-DNT	.4	mg/kg	U	N	Y		U	J008-11	00:31
						2,6-DNT	.4	mg/kg	U	N	Y		U	J008-11	00:31
						2-AM-4,6-DNT	.4	mg/kg	U	N	Y		U	J008-11	00:31
						2-NITROTOLUENE	.4	mg/kg	U	N	Y		U	J008-11	00:31
						3-NITROTOLUENE	.4	mg/kg	U	N	Y		U	J008-11	00:31
						4-AM-2,6-DNT	.4	mg/kg	U	N	Y		U	J008-11	00:31
						4-NITROTOLUENE	.4	mg/kg	U	N	Y		U	J008-11	00:31
						HMX	.4	mg/kg	U	N	Y		U	J008-11	00:31
						NITROBENZENE	.4	mg/kg	U	N	Y		U	J008-11	00:31
						RDX	.4	mg/kg	U	N	Y		U	J008-11	00:31
						TETRYL	.4	mg/kg	U	N	Y		U	J008-11	00:31
YN0010	SW8330	METHOD	N	0	1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U	J008-12	01:09
						1,3-DNB	.4	mg/kg	U	N	Y	U	U	J008-12	01:09

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Sample Number:	Analytical/Extraction Method:	Fit REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
												1	2	3	4		
1090Q01																	
YN0010	SW8330	METHOD N 0 1	2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			2,4-DNT	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			2,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			HMX	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			NITROBENZENE	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			RDX	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
			TETRYL	.4	mg/kg	U	N	Y	U	U						J008-12	01:09
YN0011	SW8330	METHOD N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			1,3-DNB	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			2,4-DNT	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			2,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			HMX	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			NITROBENZENE	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			RDX	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
			TETRYL	.4	mg/kg	U	N	Y	U	U						J008-13	01:48
YN0012	SW8330	METHOD N 0 1	1,3,5-TNB	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			1,3-DNB	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			2,4,6-TNT	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			2,4-DNT	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			2,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			2-AM-4,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			2-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			3-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			4-AM-2,6-DNT	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			4-NITROTOLUENE	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			HMX	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			NITROBENZENE	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			RDX	.4	mg/kg	U	N	Y	U	U						J008-14	02:26
			TETRYL	.4	mg/kg	U	N	Y	U	U						J008-14	02:26

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	1	2	3	4															
1090Q02																			
YN3001	SW6010B	SW3010	N 0 1	ALUMINUM			1.75	mg/L		Y Y P								J241-03	18:40
				ANTIMONY			.1	mg/L	U	N Y U	U							J241-03	18:40
				ARSENIC			.01	mg/L	U	N Y U	U							J241-03	11:37
				BARIUM			.0706	mg/L		Y Y P								J241-03	18:40
				BERYLLIUM			.001	mg/L	U	N Y U	U							J241-03	18:40
				CADMIUM			.01	mg/L	U	N Y U	U							J241-03	18:40
				CALCIUM			30.2	mg/L		Y Y P								J241-03	18:40
				CHROMIUM			.01	mg/L	U	N Y U	U							J241-03	18:40
				COBALT			.02	mg/L	U	N Y U	U							J241-03	18:40
				COPPER			.0106	mg/L	J	Y Y P	J				15			J241-03	18:40
				IRON			2.08	mg/L		Y Y P								J241-03	18:40
				LEAD			.00317	mg/L	J	Y Y F	B				06B 15			J241-03	11:37
				MAGNESIUM			18.3	mg/L		Y Y P								J241-03	18:40
				MANGANESE			1.22	mg/L		Y Y P								J241-03	18:40
				NICKEL			.0136	mg/L	J	Y Y P	J				15			J241-03	18:40
				POTASSIUM			6.3	mg/L		Y Y P								J241-03	18:40
				SELENIUM			.01	mg/L	U	N Y U	U							J241-03	11:37
				SILVER			.01	mg/L	U	N Y U	U							J241-03	18:40
				SODIUM			3.25	mg/L		Y Y P								J241-03	18:40
				THALLIUM			.01	mg/L	U	N Y U	U							J241-03	11:37
				VANADIUM			.00575	mg/L	J	Y Y P	J				15			J241-03	18:40
				ZINC			.0102	mg/L	J	Y Y P	J				15			J241-03	18:40
YN3002	SW7470A	TOTAL	N 0 1	MERCURY			.0005	mg/L	U	N Y U	U							J241-03	13:52
				ALUMINUM			.163	mg/L	J	Y Y P	J				15			J227-02	18:31
				ANTIMONY			.1	mg/L	U	N Y U	U							J227-02	18:31
				ARSENIC			.01	mg/L	U	N Y U	U							J227-02	12:20
				BARIUM			.02	mg/L		Y Y P								J227-02	18:31
				BERYLLIUM			.001	mg/L	U	N Y U	U							J227-02	18:31
				CADMIUM			.01	mg/L	U	N Y U	U							J227-02	18:31
				CALCIUM			.777	mg/L	J	Y Y P	J				15			J227-02	18:31
				CHROMIUM			.01	mg/L	U	N Y U	U							J227-02	18:31
				COBALT			.02	mg/L	U	N Y U	U							J227-02	18:31
				COPPER			.00552	mg/L	J	Y Y P	J				15			J227-02	18:31
				IRON			.094	mg/L	J	Y Y P	J				15			J227-02	18:31
				LEAD			.00185	mg/L	J	Y Y F	B				06B 15			J227-02	12:20
				MAGNESIUM			1.57	mg/L		Y Y P								J227-02	18:31
				MANGANESE			.0205	mg/L		Y Y P								J227-02	18:31
				NICKEL			.016	mg/L	J	Y Y P	J				15			J227-02	18:31
				POTASSIUM			5	mg/L	U	N Y U	U							J227-02	18:31
				SELENIUM			.00267	mg/L	J	Y Y P	J				15			J227-02	12:20

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												1	2	3	4				
1090Q02																			
YN3002	SW6010B	SW3010	N	0	.1	SILVER				.01	mg/L	U	N	Y	U	U	J227-02	18:31	
						SODIUM				1.23	mg/L		Y	Y	P		J227-02	18:31	
						THALLIUM				.01	mg/L	U	N	Y	U	U	J227-02	12:20	
						VANADIUM				.01	mg/L	U	N	Y	U	U	J227-02	18:31	
						ZINC				.0147	mg/L	J	Y	Y	P	J	15	J227-02	18:31
	SW7470A	TOTAL	N	0	1	MERCURY				.0005	mg/L	U	N	Y	U	U	J227-02	13:29	
YN3004	SW6010B	SW3010	N	0	1	ALUMINUM				12.5	mg/L		Y	Y	P		J191-02	19:07	
						ANTIMONY				.1	mg/L	U	N	Y	U	U	J191-02	19:07	
						ARSENIC				.00279	mg/L	J	Y	Y	P	J	15	J191-02	12:33
						BARIUM				.183	mg/L		Y	Y	P		J191-02	19:07	
						BERYLLIUM				.001	mg/L	U	N	Y	U	U	J191-02	19:07	
						CADMIUM				.01	mg/L	U	N	Y	U	U	J191-02	19:07	
						CALCIUM				26.2	mg/L		Y	Y	P		J191-02	19:07	
						CHROMIUM				.01	mg/L	U	N	Y	U	U	J191-02	19:07	
						COBALT				.02	mg/L	U	N	Y	U	U	J191-02	19:07	
						COPPER				.0404	mg/L		Y	Y	P		J191-02	19:07	
						IRON				4.02	mg/L		Y	Y	P		J191-02	19:07	
						LEAD				.00524	mg/L	J	Y	Y	F	B	06B 15	J191-02	12:33
						MAGNESIUM				3.22	mg/L		Y	Y	P		J191-02	19:07	
						MANGANESE				.0603	mg/L		Y	Y	P		J191-02	19:07	
						NICKEL				.0113	mg/L	J	Y	Y	P	J	15	J191-02	19:07
						POTASSIUM				17.3	mg/L		Y	Y	P		J191-02	19:07	
						SELENIUM				.01	mg/L	U	N	Y	U	U	J191-02	12:33	
						SILVER				.01	mg/L	U	N	Y	U	U	J191-02	19:07	
						SODIUM				2.62	mg/L		Y	Y	P		J191-02	19:07	
						THALLIUM				.01	mg/L	U	N	Y	U	U	J191-02	12:33	
						VANADIUM				.00788	mg/L	J	Y	Y	P	J	15	J191-02	19:07
						ZINC				.0235	mg/L		Y	Y	P		J191-02	19:07	
	SW7470A	TOTAL	N	0	1	MERCURY				.0005	mg/L	U	N	Y	U	U	J191-02	12:56	
YN3005	SW6010B	SW3010	N	0	1	ALUMINUM				.101	mg/L	J	Y	Y	F	B	06C 15 17	J209-02	18:44
						ANTIMONY				.1	mg/L	U	N	Y	U	U	J209-02	18:44	
						ARSENIC				.00261	mg/L	J	Y	Y	P	J	15	J209-02	12:24
						BARIUM				.0247	mg/L		Y	Y	P	J	17	J209-02	18:44
						BERYLLIUM				.001	mg/L	U	N	Y	U	U	J209-02	18:44	
						CADMIUM				.01	mg/L	U	N	Y	U	U	J209-02	18:44	
						CALCIUM				.383	mg/L	J	Y	Y	P	J	15	J209-02	18:44
						CHROMIUM				.00528	mg/L	J	Y	Y	P	J	15	J209-02	18:44
						COBALT				.02	mg/L	U	N	Y	U	U	J209-02	18:44	
						COPPER				.02	mg/L	U	N	Y	U	U	J209-02	18:44	
						IRON				.0962	mg/L	J	Y	Y	F	B	06C 15	J209-02	18:44

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											1	2	3	4		
1090Q02																
YN3005	SW6010B	SW3010	N 0 1	LEAD	.01	mg/L	U	N Y U U							J209-02	12:24
				MAGNESIUM	.198	mg/L	J	Y Y P J							J209-02	18:44
				MANGANESE	.0208	mg/L		Y Y P							J209-02	18:44
				NICKEL	.02	mg/L	U	N Y U U							J209-02	18:44
				POTASSIUM	5.55	mg/L		Y Y P							J209-02	18:44
				SELENIUM	.00163	mg/L	J	Y Y F B							J209-02	12:24
				SILVER	.01	mg/L	U	N Y U U							J209-02	18:44
				SODIUM	3.77	mg/L		Y Y P							J209-02	18:44
				THALLIUM	.01	mg/L	U	N Y U U							J209-02	12:24
				VANADIUM	.01	mg/L	U	N Y U U							J209-02	18:44
				ZINC	.02	mg/L	U	N Y U U							J209-02	18:44
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U U							J209-02	12:59
YN3006	SW6010B	SW3010	N 0 1	ALUMINUM	1.79	mg/L		Y Y J							J209-03	19:02
				ANTIMONY	.1	mg/L	U	N Y U							J209-03	19:02
				ARSENIC	.01	mg/L	U	N Y U							J209-03	12:29
				BARIUM	.0383	mg/L		Y Y J							J209-03	19:02
				BERYLLIUM	.001	mg/L	U	N Y U							J209-03	19:02
				CADMIUM	.01	mg/L	U	N Y U							J209-03	19:02
				CALCIUM	.528	mg/L	J	Y Y J							J209-03	19:02
				CHROMIUM	.00627	mg/L	J	Y Y J							J209-03	19:02
				COBALT	.02	mg/L	U	N Y U							J209-03	19:02
				COPPER	.02	mg/L	U	N Y U							J209-03	19:02
				IRON	.812	mg/L		Y Y							J209-03	19:02
				LEAD	.01	mg/L	U	N Y U							J209-03	12:29
				MAGNESIUM	.259	mg/L	J	Y Y J							J209-03	19:02
				MANGANESE	.0198	mg/L		Y Y							J209-03	19:02
				NICKEL	.0127	mg/L	J	Y Y J							J209-03	19:02
				POTASSIUM	5.41	mg/L		Y Y							J209-03	19:02
				SELENIUM	.01	mg/L	U	N Y U							J209-03	12:29
				SILVER	.01	mg/L	U	N Y U							J209-03	19:02
				SODIUM	3.29	mg/L		Y Y							J209-03	19:02
				THALLIUM	.01	mg/L	U	N Y U							J209-03	12:29
				VANADIUM	.01	mg/L	U	N Y U							J209-03	19:02
				ZINC	.00771	mg/L	J	Y Y J							J209-03	19:02
	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y U							J209-03	13:01
YN3001	SW8330	METHOD	N 0 1	1,3,5-TNB	.0004	mg/L	U	N Y U U							J241-03	21:06
				1,3-DNB	.0004	mg/L	U	N Y U U							J241-03	21:06
				2,4,6-TNT	.0004	mg/L	U	N Y U U							J241-03	21:06
				2,4-DNT	.0004	mg/L	U	N Y U U							J241-03	21:06
				2,6-DNT	.0004	mg/L	U	N Y U U							J241-03	21:06

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											1	2	3	4		
1090Q02																
YN3001	SW8330	METHOD N 0 1	2-AM-4,6-DNT	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
			2-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
			3-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
			4-AM-2,6-DNT	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
			4-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
			HMX	.001	mg/L	U	N	Y	U	U					J241-03	21:06
			NITROBENZENE	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
			RDX	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
			TETRYL	.0004	mg/L	U	N	Y	U	U					J241-03	21:06
YN3002	SW8330	METHOD N 0 1	1,3,5-TNB	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			1,3-DNB	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			2,4,6-TNT	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			2,4-DNT	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			2,6-DNT	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			2-AM-4,6-DNT	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			2-NITROTOLUENE	.0031	mg/L		Y	Y	P						J227-02	18:31
			3-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			4-AM-2,6-DNT	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			4-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			HMX	.001	mg/L	U	N	Y	U	U					J227-02	18:31
			NITROBENZENE	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			RDX	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
			TETRYL	.0004	mg/L	U	N	Y	U	U					J227-02	18:31
YN3004	SW8330	METHOD N 0 1	1,3,5-TNB	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			1,3-DNB	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			2,4,6-TNT	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			2,4-DNT	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			2,6-DNT	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			2-AM-4,6-DNT	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			2-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			3-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			4-AM-2,6-DNT	.00021	mg/L	J	Y	Y	P	J		15			J191-02	05:26
			4-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			HMX	.001	mg/L	U	N	Y	U	U					J191-02	05:26
			NITROBENZENE	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			RDX	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
			TETRYL	.0004	mg/L	U	N	Y	U	U					J191-02	05:26
YN3005	SW8330	METHOD N 0 1	1,3,5-TNB	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			1,3-DNB	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			2,4,6-TNT	.0004	mg/L	U	N	Y	U	U					J209-02	03:31

Validation Qualifier Data Entry Verification

Run Date: July 24, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
1090Q02																
YN3005	SW8330	METHOD N 0 1	2,4-DNT	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			2,6-DNT	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			2-AM-4,6-DNT	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			2-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			3-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			4-AM-2,6-DNT	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			4-NITROTOLUENE	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			HMX	.001	mg/L	U	N	Y	U	U					J209-02	03:31
			NITROBENZENE	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			RDX	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
			TETRYL	.0004	mg/L	U	N	Y	U	U					J209-02	03:31
YN3006	SW8330	METHOD N 0 1	1,3,5-TNB	.0004	mg/L	U	N	Y		U					J209-03	04:09
			1,3-DNB	.0004	mg/L	U	N	Y		U					J209-03	04:09
			2,4,6-TNT	.0004	mg/L	U	N	Y		U					J209-03	04:09
			2,4-DNT	.0004	mg/L	U	N	Y		U					J209-03	04:09
			2,6-DNT	.0004	mg/L	U	N	Y		U					J209-03	04:09
			2-AM-4,6-DNT	.0004	mg/L	U	N	Y		U					J209-03	04:09
			2-NITROTOLUENE	.0004	mg/L	U	N	Y		U					J209-03	04:09
			3-NITROTOLUENE	.0004	mg/L	U	N	Y		U					J209-03	04:09
			4-AM-2,6-DNT	.0004	mg/L	U	N	Y		U					J209-03	04:09
			4-NITROTOLUENE	.0004	mg/L	U	N	Y		U					J209-03	04:09
			HMX	.001	mg/L	U	N	Y		U					J209-03	04:09
			NITROBENZENE	.0004	mg/L	U	N	Y		U					J209-03	04:09
			RDX	.0004	mg/L	U	N	Y		U					J209-03	04:09
			TETRYL	.0004	mg/L	U	N	Y		U					J209-03	04:09