

## **DATA VALIDATION SUMMARY REPORT**

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### **TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS – JUNE-JULY 2008 BMI INDUSTRIAL COMPLEX CLARK COUNTY, NEVADA**

**Prepared for:**

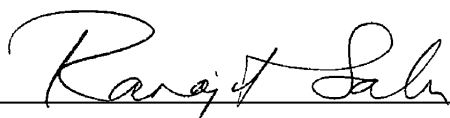
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I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data were generated by a laboratory certified by the NDEP for each constituent and media presented herein.



January 7, 2009

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009)      Date  
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## ABBREVIATION AND ACRONYM LIST

BEC	Basic Environmental Company
CCB	continuing calibration blank
CD	compact disk
DQI	data quality indicator
DVSR	Data Validation Summary Report
EDD	electronic data deliverable
EQuIS	Environmental Quality Information System
ERM	Environmental Resources Management
ICB	initial calibration blank
ICP/MS	inductively coupled plasma/mass spectroscopy
LR	laboratory replicates
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LDC	Laboratory Data Consultants
MDA	minimum detectable activity
MDL	Method Detection Limit
MS	matrix spike
MSD	matrix spike duplicate
NDEP	Nevada Division of Environmental Protection
PAH	polynuclear aromatic hydrocarbons
PARCCS	precision, accuracy, representativeness, completeness, comparability, and sensitivity
PCB	polychlorinated biphenyls
PQL	Practical Quantitation Limit
QA/QC	quality assurance/quality control
QC	quality control
RPD	relative percent difference
SDG	sample delivery group
SQL	Sample Quantitation Limit
SVOC	semivolatile organic compound
TPH	total petroleum hydrocarbons
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

## 1.0 INTRODUCTION

On behalf of Basic Environmental Company (BEC), Environmental Resources Management (ERM) has prepared this Data Validation Summary Report (DVSR) that summarizes qualified analytical data generated during the Tronox Parcels C, D, F, G and H Supplemental Investigations sampling event conducted in June and July 2008, at the BMI Industrial Complex, hereafter referred to as the Site. This report has been prepared to assess the validity (based on data validation) and usability (based on project objectives) of these analytical data for the Tronox Parcels C, D, F, G and H Investigation sampling event. This DVSR follows a format similar to that prepared by ERM for previous DVSRs. This revision of the DVSR, Revision 1, incorporates comments received from the Nevada Division of Environmental Protection (NDEP), dated November 4, 2008, on Revision 0 of the report, dated October 2008. The NDEP comments and BRC's response to these comments are included in Appendix A.

Thirty four (34) soil samples, four (4) equipment blanks, and thirteen (13) trip blanks, were collected during the course of the Tronox Parcels C, D, F, G and H Investigation sampling event (Table 1-1). The samples were analyzed for general chemistry parameters, anions, metals, hexavalent chromium perchlorate, radionuclides, volatile organic compounds, (VOCs), semivolatile organic compounds (SVOCs), dichlorobenzil, organochlorine pesticides, polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH) gasoline, TPH extractables, oil and grease, asbestos and dioxins/furans using the methods listed in Table 1-2.

TestAmerica, located in Earth City, Missouri (St. Louis), was the primary laboratory used for the bulk of the chemical analyses. TestAmerica St. Louis was not equipped to perform select analyses and therefore enlisted TestAmerica Irvine (California) to perform the chlorite, dichlorobenzil, and hexavalent chromium analyses. General Engineering Laboratories (GEL), located in Charleston, South Carolina, performed the radionuclide analyses. EMSL, located in Westmont, New Jersey, performed the asbestos analyses.

All data were delivered either electronically on compact disc (CD) or as hard copy data deliverables and accompanied by electronic data deliverables (EDDs). Electronic deliverables from TestAmerica consisted of complete data packages, including case narrative, sample results, quality control (QC) sample summary tables, and calibration information. Electronic laboratory reports are provided in Appendix B of this report. EDDs received from TestAmerica, GEL, and EMSL were loaded into EarthSoft's Environmental Quality Information System (EQUIS) Data Management System and used for reporting. TestAmerica, GEL, and EMSL reported the sample

results in the EDDs, along with applicable laboratory qualifiers. In addition to sample results, TestAmerica, GEL, and EMSL reported associated field and laboratory QC sample results in the EDDs. An electronic database containing all data results has been provided in Appendix B. A description of each of the database fields is also provided in Appendix B.

## 1.1 VALIDATION PROCESS

Sample results were validated in accordance with the following U.S. Environmental Protection Agency (USEPA) guidance documents:

- USEPA SW-846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; update IIIB, July 2005; updates IVA and IVB, January 2008 (USEPA 2008).
- USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA 1999).
- USEPA National Functional Guidelines for Low-Concentration Organic Data Review (USEPA 2001).
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (USEPA 2004).
- USEPA National Functional Guidelines for Chlorinated Dioxin/Furan Data Review (USEPA 2005b).

All data for the investigation were subject to review. All of the data were subject to a Level 3 review with exception of the asbestos data. Asbestos lab reports are very limited. The lab report provided was reviewed for completeness. Level 3 data validation consisted of a manual review of all parameters related to sample analysis, including holding times, instrument performance check (as applicable), initial calibration, continuing calibration, blank contamination, laboratory control sample (LCS), Matrix spike (MS) and matrix spike duplicate (MSD), surrogates and internal standards (as applicable), and compound identification. In addition to the Level 3 review, 20 percent of all data collected during the course of the investigation were subject to full Level 4 data validation. Level 4 data validation consisted of review of all parameters reviewed as part of the Level 3 review with additional review of the raw data including chromatograms, log books, quantitation reports and spectra. The criteria evaluated as part of the Level 3 and Level 4

data validation are listed in Table 1-3. Laboratory Data Consultants (LDC) was subcontracted to conduct all the data validation. Data validation reports from LDC are provided in Appendix B. Soil samples from sample delivery groups (SDGs) TestAmerica St. Louis (F8F110177, F8F120167, F8F120180, and F8F130140), GEL Laboratories, LLC (209755 and 210150) and TestAmerica Irvine (IRF1297, IRF1299, IRF1807, and IRF1296) were selected to undergo full Level 4 data validation.

TestAmerica submitted a detailed case narrative, with every data package, listing any QC criteria that were not met or any other issue that might affect data quality. In addition to the criteria listed above, each laboratory case narrative was thoroughly reviewed. Results were qualified for any issues that affected data quality listed in the laboratory case narrative.

Based on data validation and review, data qualifiers were placed in the electronic database to signify whether the data were acceptable, acceptable with qualification, or rejected. Definitions of qualifiers and reason codes used to qualify data are presented in Table 1-4. Validation qualifiers and definitions are based on those used by USEPA in the current validation guidelines (USEPA 1999, 2001, 2004) and summarized in the Standard Operation Procedure (SOP) 40 (BRC, ERM, and MWH 2007). The validated results are contained in the project database and are summarized in the attached tables.

## **1.2 REPORT ORGANIZATION**

Following this introductory section, Section 2.0 summarizes data validation and usability for data collected during the Tronox Parcels C, D, F, G and H Supplemental Investigations. Section 3.0 provides general conclusions about the usability of the dataset. The references (Section 4.0) and tables follow the conclusions and recommendations at the end of this document.



## 2.0 DATA VALIDATION SUMMARY

This section describes the data validation findings and usability with regard to the project-specific objectives. Section 2.1 summarizes the data validation findings and Section 2.2 summarizes the evaluation of the following quality indicator parameters: precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS).

### 2.1 DATA VALIDATION FINDINGS

This section summarizes all items of the validation process and discusses the effects of the findings on data quality.

#### 2.1.1 Holding Times and Sample Temperature

Holding time refers to the period of time between sample collection and the preparation and/or analysis of the sample. The accuracy of analytical results may depend upon analysis within specified holding times and sample temperature. In general, a longer holding time is assumed to result in a less accurate measurement due to the potential for loss or degradation of the analyte over time. Sample temperature is of greatest concern for VOCs that may volatilize from the sample at higher temperatures. Sample results were reviewed for compliance with the method-prescribed preparation and analysis holding times. Table 2-1 presents the holding time criteria used to validate the data.

USEPA guidance for validation allows professional judgment to be used in evaluating qualification due to holding time exceedances. Sample results that were generated after the required holding time but less than two times after the holding time were qualified as estimated (J or UJ). If the samples were prepared after two times the holding time was exceeded, non-detect results were qualified as rejected (R). Samples Rinsate 1 and Rinsate-2 required rejection of Chromium (VI) results due to exceedances greater than twice the holding time. Table 2-2 lists all sample results qualified based on holding time exceedances.

At times it was necessary for the laboratory to reanalyze samples outside of holding times when other QC parameters (surrogate recoveries, LCS recoveries, etc.) were outside of acceptance criteria. In these circumstances, the laboratory reported both results. Both results are included in the project database. However, ERM selected the best, most valid result to include in the results tables. It is possible that the most valid result could be a result analyzed outside of the prescribed holding time.

No sample results qualified based on sample temperatures or other sample conditions.

### 2.1.2 Analyte Quantitation

Quantitation limits are critical to the proper evaluation of method sensitivity and non-detect data. Three types of quantitation limits were evaluated for stable chemistries as follows:

- **Method Detection Limit (MDL)** – This limit was established by the laboratories according to the requirement in 40 CFR 136, Appendix B, and represents the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. MDLs are established using matrices with little or no interfering species using reagent matrices and are considered the lowest possible reporting limit. Often, the MDL is represented as the instrument detection limit. MDLs were included in data reports as well as the EDDs.
- **Sample Quantitation Limit (SQL)** – The SQL is defined as the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes, and takes into account sample characteristics, sample preparation, and analytical adjustments. It represents the sample-specific detection limit and all non-detected results are reported to this level.
- **Practical Quantitation Limit (PQL)** – This limit is defined as the lowest level at which the entire analytical system gives a recognizable signal and acceptable calibration point for the analyte, and includes the predicted effect of sample matrices with typical interfering species. The PQL is the lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy during routine laboratory operating conditions. PQLs are used to estimate or evaluate the minimum concentration at which the laboratory can be expected to reliably measure a specific chemical contaminant during day-to-day analyses of different sample matrices. Detected results greater than the SQL, but less than the PQL, were qualified by the laboratory as estimated.

The ‘reporting limits’ in the EDDs (as loaded into the database), in most cases, represents the SQLs for metals and PQLs for all other stable chemistries. As stated above, all results greater than the SQL and less than the PQL were qualified as estimated. During data validation, these results were qualified as estimated (Table 2-3).

For radionuclides, TestAmerica and GEL reported the minimum detectable activity (MDA) as the ‘reporting limit.’ The MDA for radionuclides is the lowest level of activity in a given sample

that is statistically distinguishable from a sample with no activity, at the 2-sigma confidence interval. The MDAs for radionuclide analysis are determined by a mathematical formula that takes into account sample volume, chemical recovery, instrument detection efficiency and background, and sample counting duration. The MDA, therefore, is equivalent to the SQL for radiochemical analytes. For radiochemical analysis, no PQL is established as all results are reported to the MDA. In addition, the 2-sigma radiological error is reported for each analyte in each sample.

### 2.1.3 Blank Samples

Blanks are artificial samples designed to evaluate the nature and extent of contamination of environmental samples that may be introduced by field or laboratory procedures. Field and laboratory blanks, consisting of contaminant-free water, were prepared and analyzed as part of standard quality assurance/quality control (QA/QC) procedures to monitor for potential contamination of field equipment, laboratory process reagents, and sample containers. For the Tronox Parcels C, D, F, G and H Supplemental Investigations, two groups of blanks were prepared and analyzed: (1) laboratory blanks (calibration and method blanks) and (2) field QC blanks (equipment rinsate and trip blanks). Each blank type is discussed in Sections 2.1.3.1 and 2.1.3.2. The assignment of validation qualifiers associated with blank contamination is discussed in Section 2.1.3.3.

#### 2.1.3.1 Laboratory Blanks

Two types of laboratory blanks were prepared and analyzed: calibration blanks and method blanks. Both types were prepared in the laboratory using high-grade, contaminant-free water.

**Calibration Blanks** - Calibration blanks are comprised of acidified high-grade contaminant-free water analyzed at the beginning (initial calibration blank [ICB]), end (continuing calibration blank [CCB]), and every 10 runs during analysis of metals by inductively coupled plasma and inductively coupled plasma/mass spectroscopy (ICP/MS). Their primary function is to initially set the calibration curve (along with calibration standards) and continually monitor the background for possible variations in instrument electronic signal or cross-contamination. ICB and CCB data are generally not provided in data summary packages or EDDs. Because full data packages were requested for this project, ICB and CCB data were provided for metals analyses in all data packages, except the EDD. As such, ICB and CCB data were only evaluated for metals data during the full data validation.

**Method Blanks** – Method blanks are laboratory QC samples that are prepared and analyzed with each batch of environmental samples. Method blanks are comprised of high-grade, contaminant free water that is carried through all preparation procedures in batches with field samples (including the addition of all reagents and QC monitoring compounds). Method blanks monitor potential contaminants in laboratory processes, reagents, and containers, and were analyzed for each analytical method used on field samples. Contaminant concentrations in blanks should be less than detection or reporting limits.

The individual samples/analytes detected in laboratory blanks which resulted in field sample results being qualified are listed in Table 2-4.

### **2.1.3.2 Field Quality Control Blanks**

Two types of field QC blanks were collected and analyzed with field samples: trip blanks and equipment rinsate blanks. Each blank type monitors the potential impact of field and transportation conditions on the collection and integrity of field samples, as discussed in the following paragraphs.

**Trip Blanks** – Trip blanks are a type of field blank prepared at the laboratory by filling a 40-milliliter vial with high-grade, contaminant-free water and sealing it with a Teflon-lined lid. Trip blanks are shipped to the field sampling location with sample containers in the shipping cooler. When samples for VOCs are collected and shipped back to the laboratory for analysis, a trip blank is transported within the shipping container back to the laboratory for analysis of VOCs. Trip blanks monitor for potential contamination of sample containers during shipment to the field, and for potential contamination of VOC samples during collection and transportation back to the laboratory.

**Equipment Rinsate Blanks** – In order to identify any carry-over affect from sampling equipment, equipment blanks were collected during sample collection activities. Equipment rinsate blanks were collected at a rate below the required 10 percent of all samples, or one blank for every 10 samples collected using non-dedicated or non-disposable equipment. Equipment rinsate blanks were analyzed for all applicable target analytes. During the drilling portion of the program, the equipment rinsate blanks for the sampling equipment were modified due to the extensive analyte list and the large number of samples collected. Four equipment rinsate blanks were collected.

The equipment rinsate blanks were prepared by pouring high-grade, contaminant-free water from a shipping container onto the non-dedicated or non-disposable sampling equipment, after decontamination between uses, and collecting it directly into sample containers. Equipment rinsate blank samples were shipped to the appropriate laboratory for analysis. Equipment rinsate blank results were submitted in hardcopy and EDD format and are available in the database.

### **2.1.3.3 Qualifications Due to Blank Contamination**

The previous subsections describe the types of blanks that were collected and analyzed with field samples during the Tronox Parcels C, D, F, G and H Supplemental Investigations. This section discusses the procedure for evaluating blank results and applying qualifiers on field data.

Table 2-4 presents data that were qualified as undetected (U) due to laboratory blank contamination (including calibration and method blanks). Table 2-5 presents data that were qualified as undetected (U) due to field blank contamination (equipment rinsate blanks). Note that not every compound detected in laboratory or field QC blanks results in qualification of data. If the criteria discussed below were not met for a given result, then no qualification was required.

Sample results that were less than five times the associated blank value (10 times for common laboratory contaminants, such as acetone, methylene chloride, and ketones) were qualified as undetected (U). Sample results that were greater than five (or 10) times the blank value were evaluated on a case-by-case basis. The current validation guideline for total metals (USEPA 2004) states that if the blank (laboratory or field QC) value is greater than the SQL but less than the PQL, all associated sample results greater than the SQL but less than the PQL will be qualified as undetected. If the blank value is greater than the SQL but less than the PQL, all associated sample results greater than the PQL will be qualified, at the discretion of the reviewer, as estimated (J) and possibly biased high.

### **2.1.4 Spike Samples**

Spike samples are environmental matrices spiked with a subset of target compounds at known concentrations. These QC samples were analyzed with project samples to measure laboratory accuracy and potential interference from the matrix. Two types of spike samples were analyzed with the project samples to monitor for potential interferences during analysis: MS samples and blank spike samples.

#### **2.1.4.1 Matrix Spike Samples**

MS and MSD samples: consist of aliquots of environmental samples spiked with a subset of target compounds. MS/MSD samples monitor potential interference from the site-specific sample matrix and its effect on target compounds.

Typically, at least one MS/MSD sample pair are prepared and analyzed with each batch of environmental samples, except for radionuclides. Data are qualified in accordance with SOP-40 (BRC, ERM, and MWH 2007). Fourteen non-detect results (of chlorite or niobium) required rejection due to very low matrix spike recoveries. Data qualified based on MS/MSD recoveries are presented in Table 2-6.

#### **2.1.4.2 Blank Spike Samples**

Blank spike samples, also known as LCS, are an aliquot of reagent soil or high-grade, contaminant free water spiked with a subset of target compounds. The LCS monitors laboratory accuracy without the bias of a sample matrix. In some cases, the LCS was analyzed in duplicate (LCSD).

When MS/MSD pairs could not be analyzed as required by the method, LCS/LCSD pairs were occasionally analyzed to demonstrate laboratory accuracy. Data are qualified in accordance with SOP-40 (BRC, ERM, and MWH 2007). Data qualified based on LCS/LCSD recoveries are presented in Table 2-7.

#### **2.1.5 Duplicate Samples**

Duplicate samples involved the preparation and analysis of an additional aliquot of a field sample. Results from duplicate sample analysis measure laboratory precision as well as homogeneity of contaminants in the field matrix. For this investigation, four types of duplicate analyses were conducted: 1) LCSD; 2) MSDs for all analyses except total radionuclides; 3) laboratory replicates (LR); and 4) field duplicates. LCSDs measure laboratory precision only. MSDs and LRs measure laboratory precision and sample homogeneity, while field duplicates are used to evaluate sampling technique precision, laboratory precision, and homogeneity of the sample matrix.

Three (3) soil field duplicates were collected during the sampling activities (TSB-FR-02-02-10 FD, TSB-GJ-09-0-FD, and TSB-DR-04W-FD).

The field duplicates were analyzed for all laboratory analyses requested for the primary samples collected.

The field duplicates were reviewed to provide an indication of the precision of the field sampling procedures. It is expected that the concentration of a given chemical in a field duplicate and the original sample should be similar, given that the samples are collected in the same location, in the same manner, and at the same time. Nonetheless, some variation is expected and the relative difference (measured as the RPD) between the samples is likely to be greater than for laboratory duplicates. The precision goal for field duplicate analyses was  $\pm 50$  percent RPD. Data qualified due to field duplicate imprecision are presented in Table 2-8.

At least one duplicate analysis (LCSD, MSD, or LR) was performed with each batch of environmental samples processed in the laboratory. The laboratory calculated the relative percent difference (RPD) between the two detected values for MSD and LR analyses. RPD values within the acceptable limits indicate both laboratory precision and minimal matrix heterogeneity of compounds detected in the samples.

RPDs for MS/MSD pairs, LCS/LCSD pairs, and LR pairs calculated by the laboratory were generally within the laboratory's acceptance criteria. Data are not qualified based on RPDs if any of the MS/MSDs or LCS/LCSDs are within acceptance limits (BRC, ERM, and MWH 2007). No results were qualified due to MS/MSD RPDs or LCS/LCSD RPDs. Data qualified due to laboratory duplicate sample imprecision are presented in Table 2-9.

### **2.1.6 Surrogate Spikes and Tracer Yields**

Surrogate spikes were prepared by adding compounds similar to target compounds of interest to sample aliquots and associated QC samples for organic analyses only. Surrogate spike recoveries monitor the efficiency of contaminant extraction from the sample medium into the instrument measuring system, and possible interference from the sample matrix that may affect the data quality of target compound results. Similarly, tracer isotopes are added to radionuclide analyses to monitor the extraction and analysis of radionuclides.

Surrogate spikes were added to each of the samples submitted for organic analysis to monitor potential interferences from the matrix. Surrogates were added to the sample aliquot during preparation of the sample for analysis and surrogate recoveries were compared with QC acceptance limits. Surrogate recoveries outside of the acceptable limits indicate interference from the sample matrix for the detection of target compounds. Results associated with unacceptable

surrogate recoveries were qualified as estimated (J or UJ). Table 2-10 lists all sample results qualified for surrogate recovery exceedances. When surrogate recoveries were less than 10 percent, associated nondetect results were qualified as rejected (R) because false negatives are a possibility. No results were rejected due to a low surrogate recovery.

Tracer isotopes were added to each of the samples submitted for analysis of uranium, radium, and thorium isotopes. Tracers were added to the sample aliquot during preparation of the sample for analysis and recoveries were compared with QC acceptance limits. Tracer recoveries below the acceptable limits indicate interference from the sample matrix for the detection of target compounds and results considered. No data were qualified due to tracer recoveries.

### **2.1.7 Calibration**

Instrument calibration data are generally not provided in data summary packages or EDDs. Review of calibration data included evaluation of initial calibrations, continuing calibrations, and results that exceeded the instrument's calibration range.

Requirements for instrument calibration ensure that the instrument is capable of producing acceptable quantitative data. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of analytical run. Continuing calibrations checks document satisfactory maintenance and adjustment of the instrument on a day-to-day basis. Data qualified due to initial or continuing calibration issues are included Table 2-11. Table 2-12 lists the sample results qualified due to results that exceeded the instrument's calibration range.

### **2.1.8 Internal Standards**

Internal standards were prepared for certain organic and ICP/MS analyses by adding compounds similar to target compounds of interest to sample aliquots. Internal standards are used in the quantitation of target compounds in the sample or sample extract. The evaluation of internal standards involved comparing the instrument response and retention time from the target compounds in the sample with the response and retention time of specific internal standards added to the sample extract prior to analysis. Table 2-13 lists all sample results qualified due to internal standard exceedances.

### **2.1.9 Serial Dilution**

Serial dilutions are performed by the laboratory for the analysis of metals by Inductively Coupled Plasma (ICP) or ICP/MS. The serial dilution of samples quantitated by ICP or ICP/MS



determines whether or not significant physical or chemical interferences exist due to sample matrix. Table 2-14 lists all sample results qualified due to serial dilution.

### **2.1.10 Difference between Columns**

When sample results are confirmed using two dissimilar columns or with two dissimilar detectors, the agreement between the quantitative results should be evaluated after the identification has been confirmed. The RPD between the two results is calculated to evaluate if one result is significantly higher (e.g., >40%). Table 2-15 lists all sample results qualified due to differences between columns.

## **2.2 EVALUATION OF PRECISION, ACCURACY, REPRESENTATIVENESS, COMPLETENESS, CAPABILITY, AND SENSITIVITY PARAMETERS**

Data quality indicator (DQIs) are used to verify that sampling and analytical systems used in support of project activities are effective and the quality of the data generated for this project is appropriate for making decisions affecting future activities. DQIs address the field and analytical data quality aspects as they affect uncertainties in the data collected for site characterization and risk assessment. The DQIs include PARCCS. The Quality Assurance Project Plan (BRC, ERM, and MWH 2008) provides the definitions and specific criteria for assessing DQIs using field and laboratory QC samples and is the basis for determining the overall quality of the dataset. Data validation activities included the evaluation of PARCCS parameters; all data not meeting the established PARCCS criteria were qualified during the validation process using the guidelines presented in the National Functional Guidelines for Laboratory Data Review, Organics and Inorganics and Dioxin/Furans (USEPA 1999, 2001, 2004).

### **2.2.1 Precision**

Precision is a measure of the degree of agreement between replicate measurements of the same source or sample. Precision is expressed by RPD between replicate measurements. Replicate measurements can be made on the same sample or on two samples from the same source. Precision is generally assessed using a subset of the measurements made.

The laboratory limits for precision, as measured by the RPD between LCS analyses, are the laboratory control limits, based on historical data calculated, as specified in the analytical methods. If these limits are not met, the laboratory will follow the actions specified in the analytical method and the laboratory's standard operating procedures.

Precision of a set of analyses is evaluated by determining the RPDs for MS/MSD samples for organics and duplicate samples for inorganics. Precision is calculated using the following equation, where  $X_1$  and  $X_2$  are duplicate measurements:

$$RPD(\%) = \left[ \frac{X_1 - X_2}{\left( \frac{X_1 + X_2}{2} \right)} \right] \times 100$$

As discussed above, the precision of the data was evaluated using several laboratory QC procedures.

### 2.2.2 Accuracy

Accuracy measures the level of bias that an analytical method or measurement exhibits. To measure accuracy, a standard, or reference material containing a known concentration, is analyzed or measured and the result is compared to the known value. Several QC parameters are used to evaluate the accuracy of reported analytical results

- Holding times and sample temperatures
- LCS percent recovery
- MS/MSD percent recovery (organics)
- Spike sample recovery (inorganics)
- Surrogate spike recovery
- Blank sample results.

The results of ERM's analysis of accuracy are presented in Section 2.1 above. The analytes and associated samples impacted by the variances in the MS recoveries can be found in Table 2-6. Sample results associated with low spike recoveries are likely underestimated and have been qualified with the “-” flag indicating that the results are biased low. Likewise, sample results associated with high spike recoveries have been qualified with the “+” flag indicating that the results are biased high. Data were qualified as rejected (R) based on National Functional Guidelines because false negatives are a possibility.

**Surrogate Recovery** - Surrogate spike recovery is used to evaluate the accuracy of reported measurements. A surrogate standard is a distinct chemical that behaves similarly to the target chemical and is purposely added to the sample prior to cleanup and extraction. The surrogate spike recovery is used to assess recovery of the target chemical from the sample matrix. A

known amount of a surrogate standard is added to the sample prior to cleanup. The amount of the surrogate detected in the analysis is compared to the amount added and the percent recovery is determined. Accuracy is calculated as follows:

$$\% R = \left[ \frac{X - T}{K} \right] \times 100$$

where:

- R = recovery
- X = analytical result of spike sample
- T = analytical result of the un-spiked aliquot
- K = known addition of the spiked compound

Table 2-10 lists all sample results qualified for surrogate recovery exceedances. Sample results associated with low surrogate recoveries are likely underestimated and have been qualified with the “-” flag indicating that the results are biased low. Likewise, sample results associated with high surrogate recoveries have been qualified with the “+” flag indicating that the results are biased high. When surrogate recoveries were less than 10 percent, associated non-detect results were qualified as rejected (R) because false negatives are a possibility. No sample results required rejection in this DVSR due to surrogate recoveries.

**Blanks** - Accuracy is also evaluated by comparing results for the analysis of blank samples to results for investigative samples. Blanks are artificial samples designed to evaluate the nature and extent of contamination of environmental samples that may be introduced by field or laboratory procedures. Contaminant concentrations in blanks should be less than detection or reporting limits.

Tables 2-4 and 2-5 present data that were qualified as anomalous (U) due to blank contamination (including calibration and method blanks, as well as trip blanks and equipment rinsate blanks). The presence of blank contamination results in the potential overestimation of results. Samples were qualified as anomalous (U) as discussed in Section 2.1.3.3.

### 2.2.3 Representativeness

Representativeness is a qualitative parameter and is defined by the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or a process or environmental condition. There is no standard method or formula

for evaluating representativeness, which is a qualitative term. Representativeness is achieved through selection of sampling locations that are appropriate relative to the objective of the specific sampling task and by collection of an adequate number of samples from the relevant types of locations. Sample results were evaluated for representativeness by examining items related to sample collection, including chain-of-custody documentation, sample labeling, collection dates, and condition of the samples upon receipt at the laboratory. Laboratory procedures also were examined, including anomalies reported by the laboratory, either upon receipt of the samples at the laboratory or during analytical processes; adherence to recommended holding times of samples prior to analysis; calibration of laboratory instruments; adherence to analytical methods; and completeness of data package documentation.

#### **2.2.4 Completeness**

Completeness is commonly expressed as a percentage of measurements that are valid and usable relative to the total number of total measurements made. Analytical completeness is a measure of the number of overall accepted analytical results, including estimated values, compared to the total number of analytical results requested on samples submitted for analysis after review of the analytical data. 'R' flagged data were invalid and rejected for use. Overall completeness for this dataset was calculated as 99.8 percent.

#### **2.2.5 Comparability**

Comparability is a qualitative characteristic expressing the confidence with which one dataset can be compared to another. The desire for comparability is the basis for specifying the analytical methods listed in Table 1-2; these methods are generally consistent with those used in previous investigations of the Site. The comparability goal is achieved by using standard techniques to collect and analyze representative samples, and reporting analytical results in appropriate units. Only when precision and accuracy are known can datasets be compared with confidence.

While multiple laboratories were used for this project, each laboratory was subcontracted to perform certain analyses. Therefore, the same laboratory was always responsible for performing the same analyses.

## 2.2.6 Sensitivity

Sensitivity is the measure of the signal from an instrument that represents an actual deflection or response above instrument noise. Analytical sensitivity is measured by the MDL and is reported with the necessary dilution factors, preparation factors, and dry-weight factors of an individual sample as the SQL. The sensitivity requirements were based on the laboratory's ability to detect and report consistent and reliable limits.

Dilutions were required for numerous analytes. Whenever the concentration exceeded the linear range of the instrumentation, dilutions were analyzed. Results from sample dilutions were reported, when appropriate, in the electronic database included in Appendix B.

### 3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the evaluation of the dataset, 99.8 percent of the data obtained during the field investigation are valid (that is, not rejected) and acceptable for their intended use. All data qualified during the review process is summarized in Table 3-1. Data results qualified by the laboratory with only 'U', as a result of being non-detect, are not included in Table 3-1. All data results, including non-detect data, are included in the Appendix B of this report. Rejected data are summarized in Table 3-2. Electronic versions of all laboratory data reports, as well as data validation reports, are provided in Appendix B.

All analyses were performed as requested on the chain-of-custody. No assumptions of data quality were made based on information that was not provided. Some data were qualified based on the data review. All data results qualified with 'J', 'U' or 'UJ' are considered valid and acceptable for their intended use. All data results qualified with 'R' are considered invalid and are rejected for use.

Limitations on data usability for future purposes may arise, but are not addressed in the scope of this document. These limitations will be identified through subsequent data evaluations and mitigated where possible, as appropriate.

#### 4.0 REFERENCES

- Basic Remediation Company (BRC), ERM, and MWH. 2007. BRC Field Sampling and Standard Operating Procedures, BMI Common Areas, Clark County, Nevada. August.
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- U.S. Environmental Protection Agency (USEPA). 2005b. *Contract Laboratory Program Statement of Work for Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofuran: Multi-media, Multi-concentration*. DLM01.4. Office of Emergency and Remedial Response. January.

## TABLES



**TABLE 1-1**  
**SAMPLE ANALYSIS SUMMARY**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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LAB	LAB SAMP ID	LAB ID	Parcel Location	SAMPLE ID	MATRIX	SAMPLE/MATRIX NUMBER	SAMPLE DATE	SAMPLE TIME	Anions	Metals	PAHs	SVOCs	VOCs	Dioxins/Furans	TPH Gasoline	TPH Extractables	Oil and Grease	PCBS	OCFs	Percent Moisture	Asbestos	Radionuclides	Perchlorate	Hexavalent Chromium	Dichlorobenzil	Chlorite
GEL	210334-001	210334	C	TSB-CJ-09-0	S	SS1	06/12/08	8:15																		
TA-St. Louis	F8F130140-004	F8F130140	C	TSB-CJ-09-0	S	SS1	06/12/08	8:15	X	X	X	X	X	X	X	X	X	X	X	X		X	X			
TA-Irvine	IRF1807-01	IRF1807	C	TSB-CJ-09-0	S	SS1	06/12/08	8:15												X			X	X	X	
GEL	210334-002	210334	C	TSB-CJ-09-10	S	SS2	06/12/08	8:40														X	X			
TA-St. Louis	F8F130140-008	F8F130140	C	TSB-CJ-09-10	S	SS2	06/12/08	8:40	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1807-02	IRF1807	C	TSB-CJ-09-10	S	SS2	06/12/08	8:40												X			X	X	X	
EMSL	40817194-0003	40817194	C	TSB-CJ-10	S	SS3	07/08/08	14:09													X					
EMSL	40817194-0004	40817194	C	TSB-CJ-11	S	SS4	07/08/08	14:16													X					
EMSL	40813654-0001	40813654	D	TSB-DR-04E	S	SS5	06/05/08	7:35													X					
EMSL	40813654-0002	40813654	D	TSB-DR-04W	S	SS6	06/05/08	7:39													X					
EMSL	40813654-0003	40813654	D	TSB-DR-04W-FD	S	SS7	06/05/08	7:39													X					
GEL	209755-006	209755	F	TSB-FJ-02-02-0	S	SS8	06/04/08	10:15														X	X			
TA-St. Louis	F8F050256-002	F8F050256	F	TSB-FJ-02-02-0	S	SS8	06/04/08	10:15	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF0782-02	IRF0782	F	TSB-FJ-02-02-0	S	SS8	06/04/08	10:15												X			X	X	X	
GEL	210150-008	210150	F	TSB-FJ-02-02-10	S	SS9	06/10/08	12:05														X	X			
TA-St. Louis	F8F110177-003	F8F110177	F	TSB-FJ-02-02-10	S	SS9	06/10/08	12:05	X	X	X	X	X	X	X	X	X	X	X	X						
GEL	210228-009	210228	G	RINSATE 1	WQ	EB1	06/11/08	15:00														X	X			
GEL	210228-009	210228	C	RINSATE-1	WQ	EB1	06/11/08	15:00														X	X			
TA-Irvine	IRF1298-03	IRF1298	F	TSB-FJ-02-02-10	S	SS9	06/10/08	12:05												X			X	X	X	
GEL	210150-009	210150	F	TSB-FJ-02-02-20	S	SS10	06/10/08	12:30														X	X			
TA-St. Louis	F8F110177-004	F8F110177	F	TSB-FJ-02-02-20	S	SS10	06/10/08	12:30	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1298-04	IRF1298	F	TSB-FJ-02-02-20	S	SS10	06/10/08	12:30												X			X	X	X	
GEL	210150-010	210150	F	TSB-FJ-02-02-30	S	SS11	06/10/08	12:50														X	X			
TA-St. Louis	F8F110177-005	F8F110177	F	TSB-FJ-02-02-30	S	SS11	06/10/08	12:50	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1298-05	IRF1298	F	TSB-FJ-02-02-30	S	SS11	06/10/08	12:50												X			X	X	X	
GEL	210150-001	210150	F	TSB-FJ-06-02-10	S	SS12	06/10/08	7:45														X	X			
GEL	210334-003	210334	C	RINSATE-2	WQ	EB3	06/12/08	14:00														X	X			
TA-St. Louis	F8F110173-001	F8F110173	F	TSB-FJ-06-02-10	S	SS12	06/10/08	7:45	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1297-01	IRF1297	F	TSB-FJ-06-02-10	S	SS12	06/10/08	7:45												X			X	X	X	
GEL	210150-002	210150	F	TSB-FJ-06-02-20	S	SS13	06/10/08	8:15														X	X			
TA-St. Louis	F8F110173-002	F8F110173	F	TSB-FJ-06-02-20	S	SS13	06/10/08	8:15	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1297-02	IRF0782	F	TSB-FJ-06-02-20	S	SS13	06/10/08	8:15												X			X	X	X	
GEL	210150-003	210150	F	TSB-FJ-06-02-30	S	SS14	06/10/08	8:30														X	X			

**TABLE 1-1**  
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**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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LAB	LAB SAMP ID	LAB ID	Parcel Location	SAMPLE ID	MATRIX	SAMPLE/MATRIX NUMBER	SAMPLE DATE	SAMPLE TIME	Anions	Metals	PAHs	SVOCs	VOCs	Dioxins/Furans	TPH Gasoline	TPH Extractables	Oil and Grease	PCBS	OCFs	Percent Moisture	Asbestos	Radionuclides	Perchlorate	Hexavalent Chromium	Dichlorobenzil	Chlorite
TA-St. Louis	F8F110173-003	F8F110173	F	TSB-FJ-06-02-30	S	SS14	06/10/08	8:30	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X
TA-Irvine	IRF1297-03	IRF0782	F	TSB-FJ-06-02-30	S	SS14	06/10/08	8:30												X						
GEL	209755-004	209755	F	TSB-FJ-06-2-0	S	SS15	06/04/08	10:00														X	X			
TA-St. Louis	F8F050256-006	F8F050256	F	TSB-FJ-06-2-0	S	SS15	06/04/08	10:00	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF0782-06	IRF0782	F	TSB-FJ-06-2-0	S	SS15	06/04/08	10:00												X				X	X	X
GEL	209755-005	209755	F	TSB-FR-02-02-0	S	SS16	06/04/08	10:10														X	X			
TA-St. Louis	F8F050256-019	F8F050256	G	RINSATE 1	WQ	EB2	06/04/08	16:00					X													
TA-St. Louis	F8F050256-019	F8F050256	F	RINSATE-1	WQ	EB2	06/04/08	16:00	X	X		X														
TA-St. Louis	F8F050256-017	F8F050256	F	TB-1	WQ	TB1	06/04/08	14:20					X													
TA-St. Louis	F8F050256-017	F8F050256	G	TB-1	WQ	TB1	06/04/08	14:20					X													
TA-St. Louis	F8F050256-014	F8F050256	F	TB-2	WQ	TB2	06/04/08	14:20					X													
TA-St. Louis	F8F050256-014	F8F050256	G	TB-2	WQ	TB2	06/04/08	14:20					X													
TA-St. Louis	F8F050256-016	F8F050256	F	TB-3	WQ	TB3	06/04/08	14:20					X													
TA-St. Louis	F8F050256-016	F8F050256	G	TB-3	WQ	TB3	06/04/08	14:20					X													
TA-St. Louis	F8F050256-015	F8F050256	F	TB-4	WQ	TB4	06/04/08	14:20					X													
TA-St. Louis	F8F050256-015	F8F050256	G	TB-4	WQ	TB4	06/04/08	14:20					X													
TA-St. Louis	F8F050256-018	F8F050256	F	TB-5	WQ	TB5	06/04/08	14:20					X													
TA-St. Louis	F8F050256-018	F8F050256	G	TB-5	WQ	TB5	06/04/08	14:20					X													
TA-St. Louis	F8F050256-001	F8F050256	F	TSB-FR-02-02-0	S	SS16	06/04/08	10:10	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF0782-01	IRF0782	F	TSB-FR-02-02-0	S	SS16	06/04/08	10:10												X				X	X	X
GEL	210150-004	210150	F	TSB-FR-02-02-10	S	SS17	06/10/08	9:35														X	X			
TA-St. Louis	F8F110173-004	F8F110173	F	TSB-FR-02-02-10	S	SS17	06/10/08	9:35	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1297-04	IRF0782	F	TSB-FR-02-02-10	S	SS17	06/10/08	9:35												X				X	X	X
GEL	210150-005	210150	F	TSB-FR-02-02-10 FD	S	SS18	06/10/08	9:35														X	X			
TA-St. Louis	F8F110173-006	F8F110173	F	TB-1-6/10/08	WQ	TB6	06/10/08	14:00					X													
TA-St. Louis	F8F110173-005	F8F110173	F	TSB-FR-02-02-10 FD	S	SS18	06/10/08	9:35	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1297-05	IRF0782	F	TSB-FR-02-02-10 FD	S	SS18	06/10/08	9:35												X				X	X	X
GEL	210150-006	210150	F	TSB-FR-02-02-20	S	SS19	06/10/08	10:15														X	X			
TA-St. Louis	F8F110177-001	F8F110177	F	TSB-FR-02-02-20	S	SS19	06/10/08	10:15	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1298-01	IRF1298	F	TSB-FR-02-02-20	S	SS19	06/10/08	10:15												X				X	X	X
TA-St. Louis	F8F110177-006	F8F110177	F	TB-2-6/10/08	WQ	TB7	06/10/08	14:00					X													
GEL	210150-007	210150	F	TSB-FR-02-02-30	S	SS20	06/10/08	10:40														X	X			
TA-St. Louis	F8F110177-002	F8F110177	F	TSB-FR-02-02-30	S	SS20	06/10/08	10:40	X	X	X	X	X	X	X	X	X	X	X	X						

**TABLE 1-1**  
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**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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LAB	LAB SAMP ID	LAB ID	Parcel Location	SAMPLE ID	MATRIX	SAMPLE/MATRIX NUMBER	SAMPLE DATE	SAMPLE TIME	Anions	Metals	PAHs	SVOCs	VOCs	Dioxins/Furans	TPH Gasoline	TPH Extractables	Oil and Grease	PCBS	OCFs	Percent Moisture	Asbestos	Radionuclides	Perchlorate	Hexavalent Chromium	Dichlorobenzil	Chlorite	
TA-Irvine	IRF1298-02	IRF1298	F	TSB-FR-02-02-30	S	SS20	06/10/08	10:40												X				X	X	X	
EMSL	40813654-0006	40813654	G	TSB-GJ-08	S	SS21	06/05/08	9:30													X						
GEL	209755-003	209755	G	TSB-GJ-08-0	S	SS21	06/04/08	9:30														X	X				
TA-St. Louis	F8F120137-001	F8F120137	G	RINSATE 1	WQ	EB1	06/11/08	15:00	X	X	X	X	X	X	X	X	X	X	X								
TA-St. Louis	F8F120137-002	F8F120137	G	TB-3	WQ	TB8	06/11/08	15:00					X														
TA-St. Louis	F8F120167-005	F8F120167	G	TB-1-6/11/08	WQ	TB9	06/11/08	12:00					X														
TA-St. Louis	F8F050256-005	F8F050256	G	TSB-GJ-08-0	S	SS21	06/04/08	9:30	X	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF0782-05	IRF0782	G	TSB-GJ-08-0	S	SS21	06/04/08	9:30																X	X	X	
GEL	210228-001	210228	G	TSB-GJ-08-10	S	SS22	06/11/08	8:15														X	X				
TA-St. Louis	F8F120167-001	F8F120167	G	TSB-GJ-08-10	S	SS22	06/11/08	8:15	X	X	X	X	X	X	X	X	X	X	X	X							
TA-St. Louis	F8F120180-005	F8F120180	G	TB-2-6/11/08	WQ	TB10	06/11/08	12:00					X											X	X	X	
TA-Irvine	IRF1299-01	IRF1299	G	TSB-GJ-08-10	S	SS22	06/11/08	8:15												X				X	X	X	
GEL	210228-002	210228	G	TSB-GJ-08-20	S	SS23	06/11/08	9:00														X	X				
TA-St. Louis	F8F120167-002	F8F120167	G	TSB-GJ-08-20	S	SS23	06/11/08	9:00	X	X	X	X	X	X	X	X	X	X	X	X							
TA-Irvine	IRF1299-02	IRF1299	G	TSB-GJ-08-20	S	SS23	06/11/08	9:00												X			X	X	X		
TA-St. Louis	F8F130140-003	F8F130140	C	RINSATE-1	WQ	EB4	06/12/08	12:30	X	X		X							X								
TA-St. Louis	F8F130140-001	F8F130140	C	RINSATE-2	WQ	EB3	06/12/08	14:00	X	X	X	X	X	X	X	X	X	X	X								
TA-St. Louis	F8F130140-009	F8F130140	C	TB-1 6/12/08	WQ	TB11	06/12/08	12:00					X														
TA-St. Louis	F8F130140-002	F8F130140	C	TB-2	WQ	TB12	06/12/08	12:30					X														
TA-St. Louis	F8F130140-010	F8F130140	C	TB-2 6/12/08	WQ	TB13	06/12/08	14:00					X														
GEL	210228-003	210228	G	TSB-GJ-08-30	S	SS24	06/11/08	9:15														X	X				
TA-St. Louis	F8F120167-003	F8F120167	G	TSB-GJ-08-30	S	SS24	06/11/08	9:15	X	X	X	X	X	X	X	X	X	X	X	X							
TA-Irvine	IRF1299-03	IRF1299	G	TSB-GJ-08-30	S	SS24	06/11/08	9:15												X			X	X	X		
GEL	210228-004	210228	G	TSB-GJ-08-40	S	SS25	06/11/08	9:35														X	X				
TA-St. Louis	F8F120167-004	F8F120167	G	TSB-GJ-08-40	S	SS25	06/11/08	9:35	X	X	X	X	X	X	X	X	X	X	X	X							
TA-Irvine	IRF1299-04	IRF1299	G	TSB-GJ-08-40	S	SS25	06/11/08	9:35												X				X	X	X	
EMSL	40813654-0005	40813654	G	TSB-GJ-09	S	SS26	06/05/08	9:10													X						
GEL	209755-001	209755	G	TSB-GJ-09-0	S	SS26	06/04/08	9:10														X	X				
TA-St. Louis	F8F050256-003	F8F050256	G	TSB-GJ-09-0	S	SS26	06/04/08	9:10	X	X	X	X	X	X	X	X	X	X	X	X							
TA-Irvine	IRF0782-03	IRF0782	G	TSB-GJ-09-0	S	SS26	06/04/08	9:10												X				X	X	X	
GEL	209755-002	209755	G	TSB-GJ-09-0 FD	S	SS27	06/04/08	9:10														X	X				
TA-St. Louis	F8F050256-004	F8F050256	G	TSB-GJ-09-0-FD	S	SS27	06/04/08	9:10	X	X	X	X	X	X	X	X	X	X	X	X							
TA-St. Louis	IRF1163-01	IRF1163	G	RINSATE 1	WQ	EB1	06/11/08	15:00																X		X	

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LAB	LAB SAMP ID	LAB ID	Parcel Location	SAMPLE ID	MATRIX	SAMPLE/MATRIX NUMBER	SAMPLE DATE	SAMPLE TIME	Anions	Metals	PAHs	SVOCs	VOCs	Dioxins/Furans	TPH Gasoline	TPH Extractables	Oil and Grease	PCBS	OCFs	Percent Moisture	Asbestos	Radionuclides	Perchlorate	Hexavalent Chromium	Dichlorobenzil	Chlorite
TA-Irvine	IRF1295-01	IRF1295	C	RINSATE-2	WQ	EB3	06/12/08	14:00												X					X	X
TA-Irvine	IRF0782-04	IRF0782	G	TSB-GJ-09-0-FD	S	SS27	06/04/08	9:10												X				X	X	X
GEL	210228-005	210228	G	TSB-GJ-09-10	S	SS28	06/11/08	10:40														X	X			
TA-St. Louis	F8F120180-001	F8F120180	G	TSB-GJ-09-10	S	SS28	06/11/08	10:40	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1296-01	IRF1296	G	TSB-GJ-09-10	S	SS28	06/11/08	10:40												X			X	X	X	
GEL	210228-006	210228	G	TSB-GJ-09-20	S	SS29	06/11/08	11:07														X	X			
TA-St. Louis	F8F120180-002	F8F120180	G	TSB-GJ-09-20	S	SS29	06/11/08	11:07	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1296-02	IRF1296	G	TSB-GJ-09-20	S	SS29	06/11/08	11:07												X			X	X	X	
GEL	210228-007	210228	G	TSB-GJ-09-30	S	SS30	06/11/08	11:30														X	X			
TA-St. Louis	F8F120180-003	F8F120180	G	TSB-GJ-09-30	S	SS30	06/11/08	11:30	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1296-03	IRF1296	G	TSB-GJ-09-30	S	SS30	06/11/08	11:30												X			X	X	X	
GEL	210228-008	210228	G	TSB-GJ-09-40	S	SS31	06/11/08	11:50														X	X			
TA-St. Louis	F8F120180-004	F8F120180	G	TSB-GJ-09-40	S	SS31	06/11/08	11:50	X	X	X	X	X	X	X	X	X	X	X	X						
TA-Irvine	IRF1296-04	IRF1296	G	TSB-GJ-09-40	S	SS31	06/11/08	11:50												X			X	X	X	
EMSL	40813654-0004	40813654	H	TSB-HJ-09-NE	S	SS32	06/05/08	8:35													X					
EMSL	40817194-0001	40817194	H	TSB-HJ-12	S	SS33	07/08/08	13:34														X				
EMSL	40817194-0002	40817194	H	TSB-HJ-13	S	SS34	07/08/08	13:16													X					

DUP- Duplicate  
 FD- Field duplicate  
 ID- Identification  
 MS/MSD- Matrix spike/matrix spike duplicate  
 TB - Trip Blank  
 VOCs- Volatile organic compounds  
 SVOCs- Semivolatile organic compounds  
 PCBs- Polychlorinated Biphenyls  
 TPH- Total petroleum hydrocarbons  
 VOCs- Volatile organic compounds  
 S- Soil  
 WQ-Water Quality Control Sample

**TABLE 1-2**  
**SAMPLE ANALYSIS METHODS**  
**TRONOX PARCELS C, D, F, G AND H INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Class	Method
General Chemistry	MCAWW 160.3 MOD
Anions	EPA 300.0 EPA 300.1 EPA 314.0
Metals	SW6010/6020 EPA 3060A/7196A SW7470/7471
Radiochemicals	Alphaspec U/DOE EML HASL-300 U-02-RC Modified Alphaspec Th/DOE EML HASL-300 Th-01-RC Modified GFPC, Ra228/EPA 904.0 Modified Lucas Cell, Ra226/EPA 903.1 Modified
Asbestos	Elutriator Method 540
SVOCs (Including dichlorobenzil and PAHs)	SW8270C
VOCs	SW8260B
Organochlorine Pesticides	SW8081
Polychlorinated Biphenyls	SW8082
Dioxin/Furans	SW846 8290
Gasoline Range Organics	SW846 8015 MOD
TPH as Extractables	SW846 8015 MOD
Oil & Grease HEM	CFR136A 1664A HEM/SW9071B

**TABLE 1-3**  
**DATA VALIDATION CRITERIA**  
**TRONOX PARCELS C, D, F, G AND H INVESTIGATIONS**  
**JUNE-JULY 2008**  
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<b>Level 3 Validation</b>
Chain of Custody
Holding times and sample temperature
Matrix Spike and Matrix Spike Duplicate recoveries and control limits
Laboratory Control Spike and Laboratory Control Spike Duplicate recoveries and control limits
Method blanks
Surrogate recoveries
Initial calibration data
Continuing calibration (%D and RRF)
Internal standards
Instrument tuning
Injection logs
Extraction/preparation logs
Case narrative to discuss anomalies
<b>Level 4 Additional Validation</b>
Instrument blanks
Raw data associated with the summary forms listed above
Raw data for sample results which includes chromatograms, log books, quantitation reports, and spectra.

**TABLE 1-4**  
**DATA VALIDATION QUALIFIERS AND REASON CODES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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<b>Laboratory Qualifier</b>	<b>Definition</b>
U	Organic and inorganic analyses: the analyte was not detected above the level of the reported sample quantitation limit.
B	Inorganic analyses: the analyte was detected between the method detection limit and the sample quantitation limit.
	Organic analyses: the analyte was detected in the associated method blank.
J	Organic analyses: the analyte was detected between the method detection limit and the sample quantitation limit.
E	Organic and inorganic analyses: the sample concentration was greater than the calibration's upper limit and should be considered to be an estimated value.
*	Inorganic analyses: the analytical duplicate precision was not within control limits.
N	Inorganic analyses: the matrix spike was not within control limits.
D	Organic and inorganic analyses: the sample result was diluted.

<b>Functional Guidelines Validation Qualifier</b>	<b>Definition</b>
J	The result is an estimated quantity. the associated numerical value is the approximate concentration of the analyte in the sample.
U	The analyte was detected, but qualified as nondetected during data validation due to blank contamination.
UJ	The nondetected analyte was qualified as estimated at the sample quantitation limit. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.
R	The sample result is rejected and unusable due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
J+	Inorganics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
J-	Inorganics analyses: the result is an estimated quantity, biased low. The associated numerical value is the approximate concentration of the analyte in the sample.

**TABLE 1-4**  
**DATA VALIDATION QUALIFIERS AND REASON CODES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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<b>Project- Specific Validation Qualifier</b>	<b>Definition</b>
X	The analytical result is not used for reporting because a more accurate and precise result is reported in its place.
Z	The associated data has not been subjected to the data review/validation process.
J+	Organics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
J-	Organics analyses: the result is an estimated quantity, biased low. The associated numerical value is the approximate concentration of the analyte in the sample.
J-TDS	Inorganic analysis: the analytical result is estimated based on failure of Total Dissolved Solids (TDS) correctness check performed in accordance with Standard Methods (see Section 5.1)
J-CAB	Inorganic analysis: the analytical result is estimated based on failure of cation-anion balance correctness check performed in accordance with Standard Methods
J-TDS&CAB	Inorganic analysis: the analytical result is unreliable based on failure of cation-anion balance and TDS correctness checks performed in accordance with Standard Methods.
<b>Validation Reason Code</b>	<b>Definition</b>
0	Laboratory reported non-detect.
1	The sample preparation and/or analytical holding time was exceeded.
2 <sup>#</sup>	The analyte was detected below the report limit but above the method detection limit.
3	The analyte was detected in an associated laboratory blank sample.
4	The MS/MSD recovery was outside of control limits.
5	The LCS recovery was outside of control limits.
6 <sup>##</sup>	The MS/MSD RPD was outside of control limits.
7 <sup>##</sup>	The LCS RPD was outside of control limits.
8	The surrogate recovery was outside of control limits.
9 <sup>##</sup>	Level IV data validation qualification.
10	The sample chromatogram did not resemble the standard hydrocarbon pattern.
11	The sample concentration was greater than the instrument's calibration range.
12	The calibration criterion of RRF, %D, and/or %RSD was not met.



**TABLE 1-4**  
**DATA VALIDATION QUALIFIERS AND REASON CODES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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<b>Validation Reason Code</b>	<b>Definition</b>
13	The analyte was detected in field blank, rinsate blank, and/or trip blank sample.
14	The internal standards did not meet control criteria.
15	The serial dilution did not meet control criteria.
16	The difference between columns did not meet control criteria.
17	Field duplicates did not meet the 50% RPD control criterion.
18	Sample receipt temperature exceeded the acceptable range of from 4 to 6 degrees Celsius.
19	Analytical duplicate precision did not meet control criteria.
20	Headspace in vials containing water samples to be analyzed for volatiles.
21	The tracer yields did not meet control criteria.
22	The ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range (the cation-anion balance was within the error limits specified in Standard Methods).
23	The cation-anion balance was outside the error limits specified in Standard Methods (the ratio of the measured TDS value to the mathematically calculated TDS sum was within the specified error range).
24	The cation-anion balance was outside the error limits specified in Standard Methods, and the ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range.
25	Other

# This reason code is applied to data entries with lab qualifiers J or B, as defined above.

## These reason codes were used in the validation of historical data and will not be used in current and future site investigations.

**TABLE 2-1**  
**HOLDING TIME REQUIREMENTS**  
**TRONOX PARCELS C, D, F, G AND H INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Method Class	Compound	Soil Samples		
		Method	Holding Time	
General Chemistry	Percent Moisture	MCAWW 160.3 MOD	24 hours	
Anions	Bromide	EPA 300.0	28 days	
	Bromine		28 days	
	Chlorate		28 days	
	Chloride		28 days	
	Chlorine		28 days	
	Fluoride		28 days	
	Sulfate		28 days	
	Nitrate		48 hours	
	Nitrite		48 hours	
	Orthophosphate		48 hours	
	Chlorite		EPA 300.1	28 days
	Perchlorate		EPA 314.0	28 days
Metals	See analyte list in the QAPP (BRC and ERM 2008)	SW6010/6020	180 days	
	Hexavalent Chromium	EPA 3060A/7196A	30 days to extraction, 4 days to analysis	
	Mercury	SW7471	28 days	
Radiochemicals	See analyte list in the QAPP (BRC and ERM 2008)	Alphaspec U/DOE EML HASL-300 U-02-RC Modified Alphaspec Th/DOE EML HASL-300 Th-01-RC Modified GFPC, Ra228/EPA 904.0 Modified Lucas Cell, Ra226/EPA 903.1 Modified	180 days	
Asbestos	Asbestos	Elutriator Method 540	NA	
Organochlorine Pesticides	See analyte list in the QAPP (BRC and ERM 2008)	SW8081	14 days to extraction, 40 days to analysis	
Volatile Organic Compounds	See analyte list in the QAPP (BRC and ERM 2008)	SW8260B	14 days	
Semivolatile Organic Compounds (including Polynuclear Aromatic Hydrocarbons)	See analyte list in the QAPP (BRC and ERM 2008)	SW8270C	14 days to extraction, 40 days to analysis	
Polychlorinated Biphenyls (PCBs)	See analyte list in the QAPP (BRC and ERM 2008)	EPA 8082	14 days to extraction, 40 days to analysis	
Dioxin/Furans	See analyte list in the QAPP (BRC and ERM 2008)	SW846 8290	30 days to extraction, 45 days to analysis	
Gasoline Range Organics	See analyte list in the QAPP (BRC and ERM 2008)	SW846 8015 MOD	14 days to extraction, 40 days to analysis	
TPH as Extractables	See analyte list in the QAPP (BRC and ERM 2008)	SW846 8015 MOD	14 days to extraction, 40 days to analysis	
Oil & Grease HEM	See analyte list in the QAPP (BRC and ERM 2008)	SW9071B	28 days	

**TABLE 2-1**  
**HOLDING TIME REQUIREMENTS**  
**TRONOX PARCELS C, D, F, G AND H INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Method Class	Compound	Aqueous Samples		
		Method	Holding Time	
General Chemistry	Percent Moisture	NA	NA	
Anions	Bromide	EPA 300.0	28 days	
	Bromine		28 days	
	Chlorate		28 days	
	Chloride		28 days	
	Chlorine		28 days	
	Fluoride		28 days	
	Sulfate		28 days	
	Nitrate		48 hours	
	Nitrite		48 hours	
	Orthophosphate		48 hours	
	Chlorite		EPA 300.1	28 days
	Perchlorate		EPA 314.0	28 days
Metals	See analyte list in the QAPP (BRC and ERM 2008)	SW6010/6020	180 days	
	Hexavalent Chromium	EPA 7196	24 hours	
	Mercury	SW7470	28 days	
Radiochemicals	See analyte list in the QAPP (BRC and ERM 2008)	Alphaspec U/DOE EML HASL-300 U-02-RC Modified Alphaspec Th/DOE EML HASL-300 Th-01-RC Modified GFPC, Ra228/EPA 904.0 Modified Lucas Cell, Ra226/EPA 903.1 Modified	180 days	
Asbestos	Asbestos	NA	NA	
Organochlorine Pesticides	See analyte list in the QAPP (BRC and ERM 2008)	SW8081	7 days to extraction, 40 days to analysis	
Volatile Organic Compounds	See analyte list in the QAPP (BRC and ERM 2008)	SW8260B	14 days	
Semivolatile Organic Compounds (including Polynuclear Aromatic Hydrocarbons)	See analyte list in the QAPP (BRC and ERM 2008)	SW8270C	7 days to extraction, 40 days to analysis	
Polychlorinated Biphenyls (PCBs)	See analyte list in the QAPP (BRC and ERM 2008)	EPA 8082	7 days to extraction, 40 days to analysis	
Dioxin/Furans	See analyte list in the QAPP (BRC and ERM 2008)	SW846 8290	30 days to extraction, 45 days to analysis	
Gasoline Range Organics	See analyte list in the QAPP (BRC and ERM 2008)	SW846 8015 MOD	7 days to extraction, 40 days to analysis	
TPH as Extractables	See analyte list in the QAPP (BRC and ERM 2008)	SW846 8015 MOD	7 days to extraction, 40 days to analysis	
Oil & Grease HEM	See analyte list in the QAPP (BRC and ERM 2008)	CFR136A 1664A HEM	28 days	

**TABLE 2-2**  
**SUMMARY OF DATA QUALIFIED DUE TO HOLDING TIME EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Field Sample ID	Lab Sample ID	Method	Sample Date	Preparation Date	Analysis Date	Analyte	Result	Unit	Violation	Limit	QL	Check Qualifier	Final Qualifier
Rinsate 1	IRF1163-01	EPA 7196A	9/6/2007	6/13/2008	6/13/2008	Chromium (VI)	< 0.025	mg/l	54.5 hours	24 hours	0.03	R	R
Rinsate-2	IRF1295-01	EPA 7196A	11/13/2007	6/17/2008	6/17/2008	Chromium (VI)	< 0.025	mg/l	5 days	24 hours	0.03	R	R

ID - identification  
 QL - quantitation limit

R - rejected value  
 mg/L - milligram per liter

**TABLE 2-3**  
**SUMMARY OF DATA QUALIFIED DUE TO DETECTION BELOW QUANTITATION LIMIT**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
RINSATE 1	F8F120137001	E300	6/12/2008	Sulfate	0.12	mg/l	0.5	J	J
RINSATE 1	F8F120137001	SW6020	6/25/2008	Magnesium	17.9	ug/l	50	J	J
RINSATE 1	F8F120137001	SW6020	6/25/2008	Manganese	0.84	ug/l	2	J	J
RINSATE 1	F8F120137001	SW6020	6/25/2008	Silicon	38.6	ug/l	250	J	J
RINSATE 1	F8F120137001	SW6020	6/25/2008	Sodium	39.2	ug/l	50	J	J
RINSATE 1	F8F120137001	SW6020	6/25/2008	Strontium	1.5	ug/l	5	J	J
RINSATE-1	F8F130140003	SW6020	6/25/2008	Magnesium	3.8	ug/l	50	J	J
RINSATE-1	F8F130140003	SW6020	6/25/2008	Sodium	12.8	ug/l	50	J	J
RINSATE-2	F8F130140001	E300	6/13/2008	Sulfate	0.11	mg/l	0.5	J	J
RINSATE-2	F8F130140001	SW6020	6/25/2008	Calcium	48.2	ug/l	100	J	J
RINSATE-2	F8F130140001	SW6020	6/25/2008	Magnesium	6.1	ug/l	50	J	J
RINSATE-2	F8F130140001	SW6020	6/25/2008	Sodium	11	ug/l	50	J	J
RINSATE-2	F8F130140001	SW6020	6/25/2008	Strontium	0.8	ug/l	5	J	J
RINSATE-2	F8F130140001	SW6020	6/25/2008	Thallium	1.5	ug/l	2	J	J+
RINSATE-2	F8F130140001	SW8260	6/19/2008	Chloromethane	0.25	ug/l	2	J	J
RINSATE-2	F8F130140001	SW8260	6/19/2008	Toluene	0.22	ug/l	1	J	J
TB-1 6/11/08	F8F120167005	SW8260	6/19/2008	Acetone	1.1	ug/l	2	J	J
TB-1 6/12/08	F8F130140009	SW8260	6/19/2008	Chloroform	0.11	ug/l	1	J	J
TB-1 6/12/08	F8F130140009	SW8260	6/19/2008	Dichloromethane	0.41	ug/l	1	J	J
TB-2	F8F130140002	SW8260	6/19/2008	Chloroform	0.14	ug/l	1	J	J
TB-2 6/11/08	F8F120180005	SW8260	6/19/2008	Dichloromethane	0.47	ug/l	1	J	J
TB-2 6/12/08	F8F130140010	SW8260	6/19/2008	Acetone	1.7	ug/l	2	J	J
TB-3	F8F120137002	SW8260	6/19/2008	Chloroform	0.12	ug/l	1	J	J
TB-4	F8F050256015	SW8260	6/10/2008	Acetone	0.85	ug/l	2	J	J
TB-4	F8F050256015	SW8260	6/10/2008	Chloroform	0.11	ug/l	1	J	J
TB-4	F8F050256015	SW8260	6/10/2008	Dichloromethane	0.29	ug/l	1	J	J
TSB-CJ-09-0	F8F130140004	SW6010	6/17/2008	Sulfur	1410	mg/kg	2610	J	J
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Cadmium	0.091	mg/kg	0.1	J	J
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Molybdenum	0.54	mg/kg	1	J	J
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Silver	0.11	mg/kg	0.42	J	J
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Tin	0.41	mg/kg	0.42	J	J
TSB-CJ-09-0	F8F130140004	SW8260	6/16/2008	Methyl ethyl ketone	3.6	ug/kg	21	J	J
TSB-CJ-09-0	F8F130140004	SW8270	6/20/2008	Phthalic acid	400	ug/kg	1700	J	J

**TABLE 2-3**  
**SUMMARY OF DATA QUALIFIED DUE TO DETECTION BELOW QUANTITATION LIMIT**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Boron	7.9	mg/kg	21.9	J	J
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Cadmium	0.083	mg/kg	0.11	J	J
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Molybdenum	0.45	mg/kg	1.1	J	J
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Silver	0.15	mg/kg	0.44	J	J
TSB-FJ-06-02-0	IRF0782-06	3060A/7196A	6/18/2008	Chromium (VI)	0.55	mg/kg	1	J	J
TSB-GJ-08-0	IRF0782-05	3060A/7196A	6/18/2008	Chromium (VI)	0.49	mg/kg	1	J	J
TSB-GJ-08-0	F8F050256005	SW6010	6/12/2008	Lithium	10.3	mg/kg	50.8	J	J
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Silver	0.17	mg/kg	0.41	J	J
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Zirconium	19.4	mg/kg	20.3	J	J-
TSB-GJ-08-0	F8F050256005	SW7471	6/12/2008	Mercury	15.9	ug/kg	33.9	J	J
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Chrysene	86	ug/kg	340	J	X
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	2.7	pg/g		J	J
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.53	pg/g		J	J
TSB-GJ-08-10	F8F120167001	E300	6/21/2008	Fluoride	0.6	mg/kg	1.1	J	J
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Boron	13.8	mg/kg	26.8	J	J
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Cadmium	0.069	mg/kg	0.13	J	J
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Molybdenum	0.47	mg/kg	1.3	J	J
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Silver	0.11	mg/kg	0.54	J	J
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Tin	0.42	mg/kg	0.54	J	J
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Zirconium	24	mg/kg	26.8	J	J
TSB-GJ-08-20	F8F120167002	E300	6/21/2008	Chlorate	1	mg/kg	6	J	J
TSB-GJ-08-20	F8F120167002	E300	6/21/2008	Fluoride	1	mg/kg	1.2	J	J
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Boron	22.1	mg/kg	23.9	J	J
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Molybdenum	0.56	mg/kg	1.2	J	J
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Silver	0.17	mg/kg	0.48	J	J
TSB-GJ-08-30	F8F120167003	E300	6/21/2008	Chlorate	4.1	mg/kg	9	J	J
TSB-GJ-08-30	F8F120167003	SW6010	6/17/2008	Sulfur	2240	mg/kg	4500	J	J+
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Boron	21.9	mg/kg	36	J	J
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Molybdenum	0.53	mg/kg	1.8	J	J
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Palladium	0.19	mg/kg	0.36	J	J
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Silver	0.17	mg/kg	0.72	J	J
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Zirconium	32.1	mg/kg	36	J	J
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Boron	25.2	mg/kg	32.2	J	J

**TABLE 2-3**  
**SUMMARY OF DATA QUALIFIED DUE TO DETECTION BELOW QUANTITATION LIMIT**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Cadmium	0.12	mg/kg	0.16	J	J
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Molybdenum	0.8	mg/kg	1.6	J	J
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Palladium	0.24	mg/kg	0.32	J	J
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Silver	0.18	mg/kg	0.64	J	J
TSB-GJ-08-40	F8F120167004	SW8260	6/16/2008	Carbon tetrachloride	0.84	ug/kg	8.1	J	J
TSB-GJ-08-40	F8F120167004	SW8260	6/16/2008	Trichloroethylene	4.7	ug/kg	8.1	J	J
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Chrysene	130	ug/kg	530	J	J
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	Octachlorodibenzodioxin	12	pg/g		J	J
TSB-GJ-09-0	F8F050256003	E300	6/17/2008	Fluoride	0.43	mg/kg	1	J	J
TSB-GJ-09-0	F8F050256003	SW6010	6/12/2008	Lithium	24	mg/kg	51.3	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Boron	8	mg/kg	20.5	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Molybdenum	0.77	mg/kg	1	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Silver	0.14	mg/kg	0.41	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Zirconium	18.1	mg/kg	20.5	J	J-
TSB-GJ-09-0	F8F050256003	SW8260	6/9/2008	Acetone	15	ug/kg	21	J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.8	pg/g		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	5	pg/g		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	2.7	pg/g		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzofuran	2.9	pg/g		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	2.5	pg/g		J	J
TSB-GJ-09-0-FD	F8F050256004	E300	6/17/2008	Fluoride	0.57	mg/kg	1	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6010	6/12/2008	Lithium	20.4	mg/kg	51.7	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Boron	10.3	mg/kg	20.7	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Molybdenum	0.98	mg/kg	1	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Silver	0.18	mg/kg	0.41	J	J
TSB-GJ-09-0-FD	F8F050256004	SW8260	6/9/2008	Acetone	9.8	ug/kg	21	J	J
TSB-GJ-09-10	F8F120180001	E300	6/21/2008	Bromide	0.8	mg/kg	2.7	J	J
TSB-GJ-09-10	F8F120180001	E300	6/21/2008	Fluoride	0.62	mg/kg	1.1	J	J
TSB-GJ-09-10	F8F120180001	E300.0	6/21/2008	Bromine	1.6	mg/kg	5.3	J	J
TSB-GJ-09-10	F8F120180001	SW6010	6/17/2008	Sulfur	1740	mg/kg	2660	J	J+
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Boron	8.8	mg/kg	21.3	J	J
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Cadmium	0.074	mg/kg	0.11	J	J
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Molybdenum	0.61	mg/kg	1.1	J	J

**TABLE 2-3**  
**SUMMARY OF DATA QUALIFIED DUE TO DETECTION BELOW QUANTITATION LIMIT**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Silver	0.11	mg/kg	0.43	J	J
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Zirconium	19.5	mg/kg	21.3	J	J
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Chrysene	44	ug/kg	350	J	J
TSB-GJ-09-20	IRF1296-02	3060A/7196A	6/23/2008	Chromium (VI)	0.83	mg/kg	1.5	J	J
TSB-GJ-09-20	F8F120180002	E300	6/21/2008	Chlorate	3.7	mg/kg	6.3	J	J
TSB-GJ-09-20	F8F120180002	E300	6/21/2008	Fluoride	0.58	mg/kg	1.3	J	J
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Silver	0.14	mg/kg	1.3	J	J
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Zirconium	31.7	mg/kg	62.8	J	J
TSB-GJ-09-30	IRF1296-03	3060A/7196A	6/23/2008	Chromium (VI)	0.61	mg/kg	1.4	J	J
TSB-GJ-09-30	F8F120180003	SW6010	6/17/2008	Sulfur	1610	mg/kg	3580	J	J+
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Boron	20.5	mg/kg	28.6	J	J
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Cadmium	0.064	mg/kg	0.14	J	J
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Molybdenum	0.71	mg/kg	1.4	J	J
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Silver	0.19	mg/kg	0.57	J	J
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Tin	0.56	mg/kg	0.57	J	J
TSB-GJ-09-40	F8F120180004	SW6010	6/17/2008	Sulfur	2030	mg/kg	3930	J	J+
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Boron	28.3	mg/kg	31.5	J	J
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Cadmium	0.1	mg/kg	0.16	J	J
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Molybdenum	0.67	mg/kg	1.6	J	J
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Silver	0.19	mg/kg	0.63	J	J
TSB-GJ-09-40	F8F120180004	SW8260	6/16/2008	Chloroform	1.5	ug/kg	7.9	J	J
RINSATE 1	F8F050256019	SW6020	6/21/2008	Calcium	48.8	ug/l	100	J	J
RINSATE 1	F8F050256019	SW6020	6/13/2008	Chromium (Total)	8.3	ug/l	10	J	J
RINSATE 1	F8F050256019	SW6020	6/13/2008	Iron	22.2	ug/l	50	J	J
RINSATE 1	F8F050256019	SW6020	6/13/2008	Magnesium	4.5	ug/l	50	J	J
RINSATE 1	F8F050256019	SW6020	6/13/2008	Sodium	11.4	ug/l	50	J	J
RINSATE 1	F8F050256019	SW6020	6/13/2008	Strontium	0.31	ug/l	5	J	J
RINSATE 1	F8F050256019	SW6020	6/13/2008	Zinc	5.6	ug/l	10	J	J
TB-1	F8F050256017	SW8260	6/10/2008	Chloroform	0.09	ug/l	1	J	J
TB-1	F8F050256017	SW8260	6/10/2008	Dichloromethane	0.21	ug/l	1	J	J
TB-1 6/10/08	F8F110173006	SW8260	6/19/2008	Chloroform	0.084	ug/l	1	J	J
TB-2	F8F050256014	SW8260	6/10/2008	Chloroform	0.12	ug/l	1	J	J
TB-2	F8F050256014	SW8260	6/10/2008	Dichloromethane	0.23	ug/l	1	J	J



**TABLE 2-3**  
**SUMMARY OF DATA QUALIFIED DUE TO DETECTION BELOW QUANTITATION LIMIT**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
TB-3	F8F050256016	SW8260	6/10/2008	Chloroform	0.1	ug/l	1	J	J
TB-3	F8F050256016	SW8260	6/10/2008	Dichloromethane	0.26	ug/l	1	J	J
TB-5	F8F050256018	SW8260	6/10/2008	Chloroform	0.096	ug/l	1	J	J
TB-5	F8F050256018	SW8260	6/10/2008	Dichloromethane	0.33	ug/l	1	J	J
TSB-FJ-02-02-0	F8F050256002	E300	6/16/2008	Chlorate	1.4	mg/kg	5.1	J	J
TSB-FJ-02-02-0	F8F050256002	E300	6/16/2008	Orthophosphate as P	1.3	mg/kg	5.1	J	J
TSB-FJ-02-02-0	F8F050256002	SW6010	6/12/2008	Lithium	21.3	mg/kg	50.9	J	J
TSB-FJ-02-02-0	F8F050256002	SW6010	6/11/2008	Sulfur	543	mg/kg	1020	J	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Boron	6.8	mg/kg	20.4	J	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Molybdenum	0.55	mg/kg	1	J	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Silver	0.15	mg/kg	0.41	J	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Zirconium	19.7	mg/kg	20.4	J	J-
TSB-FJ-02-02-0	F8F050256002	SW7471	6/12/2008	Mercury	11.9	ug/kg	34	J	J
TSB-FJ-02-02-0	F8F050256002	SW8260	6/9/2008	Acetone	14	ug/kg	20	J	J
TSB-FJ-06-02-10	F8F110173001	E300	6/18/2008	Chlorate	3.2	mg/kg	5.3	J	J
TSB-FJ-06-02-10	F8F110173001	SW6010	6/13/2008	Lithium	11.7	mg/kg	53.1	J	J
TSB-FJ-06-02-10	F8F110173001	SW6010	6/13/2008	Sulfur	531	mg/kg	1060	J	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Boron	10.1	mg/kg	21.2	J	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Cadmium	0.073	mg/kg	0.11	J	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Molybdenum	0.66	mg/kg	1.1	J	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Silver	0.13	mg/kg	0.43	J	J
TSB-FJ-06-02-20	F8F110173002	E300	6/18/2008	Bromide	1	mg/kg	3.2	J	J
TSB-FJ-06-02-20	F8F110173002	E300.0	6/18/2008	Bromine	2.1	mg/kg	6.4	J	J
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Boron	24.4	mg/kg	32.1	J	J
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Molybdenum	0.71	mg/kg	1.6	J	J
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Silver	0.25	mg/kg	0.64	J	J
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Carbon tetrachloride	3.9	ug/kg	6.4	J	J
TSB-FJ-06-02-20	F8F110173002	SW8270	6/19/2008	bis(2-Ethylhexyl) phthalate	69	ug/kg	420	J	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Boron	12.4	mg/kg	26.9	J	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Molybdenum	0.47	mg/kg	1.3	J	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Palladium	0.25	mg/kg	0.27	J	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Silver	0.13	mg/kg	0.54	J	J
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Carbon tetrachloride	2.4	ug/kg	5.4	J	J

**TABLE 2-3**  
**SUMMARY OF DATA QUALIFIED DUE TO DETECTION BELOW QUANTITATION LIMIT**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
TSB-FJ-06-02-0	F8F050256006	E300	6/17/2008	Fluoride	0.86	mg/kg	1	J	J
TSB-FJ-06-02-0	F8F050256006	SW6010	6/12/2008	Lithium	16.1	mg/kg	101	J	J
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Boron	13.3	mg/kg	20.3	J	J
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Silver	0.2	mg/kg	0.41	J	J
TSB-FJ-06-02-0	F8F050256006	SW7471	6/12/2008	Mercury	32.8	ug/kg	33.8	J	J
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	1,2,4-Trimethylbenzene	0.68	ug/kg	5.1	J	J
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	Acetone	14	ug/kg	20	J	J
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Benzyl alcohol	94	ug/kg	330	J	J
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	bis(2-Ethylhexyl) phthalate	140	ug/kg	330	J	J
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Chrysene	39	ug/kg	330	J	X
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Fluoranthene	63	ug/kg	330	J	J
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Hydroxymethyl phthalimide	150	ug/kg	330	J	J-
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Phenanthrene	37	ug/kg	330	J	X
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Phenol	130	ug/kg	330	J	J
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Phthalic acid	760	ug/kg	1600	J	J
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Pyrene	36	ug/kg	330	J	X
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	3.2	pg/g		J	J
TSB-FR-02-02-0	F8F050256001	E300	6/16/2008	Fluoride	0.57	mg/kg	1	J	J
TSB-FR-02-02-0	F8F050256001	SW6010	6/12/2008	Lithium	10.6	mg/kg	50.9	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Boron	11.2	mg/kg	20.4	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/21/2008	Platinum	0.11	mg/kg	0.26	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Silver	0.21	mg/kg	0.41	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/21/2008	Thallium	0.43	mg/kg	0.51	J	J
TSB-FR-02-02-0	F8F050256001	SW7471	6/12/2008	Mercury	30.2	ug/kg	33.9	J	J
TSB-FR-02-02-0	F8F050256001	SW8260	6/9/2008	Acetone	17	ug/kg	20	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(a)anthracene	110	ug/kg	340	J	X
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(a)pyrene	170	ug/kg	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Chrysene	280	ug/kg	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Phenanthrene	270	ug/kg	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Phthalic acid	290	ug/kg	1600	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Pyrene	330	ug/kg	340	J	X
TSB-FR-02-02-0	F8F050256001	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	5	pg/g		J	J
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Chlorate	1.2	mg/kg	5.7	J	J

**TABLE 2-3**  
**SUMMARY OF DATA QUALIFIED DUE TO DETECTION BELOW QUANTITATION LIMIT**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
TSB-FR-02-02-10	F8F110173004	SW6010	6/13/2008	Sulfur	913	mg/kg	1140	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Cadmium	0.1	mg/kg	0.11	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Molybdenum	0.39	mg/kg	1.1	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Silver	0.13	mg/kg	0.46	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Tin	0.41	mg/kg	0.46	J	J
TSB-FR-02-02-10	F8F110173004	SW7471	6/12/2008	Mercury	14.6	ug/kg	38	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6010	6/13/2008	Lithium	22.8	mg/kg	53.5	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6010	6/13/2008	Sulfur	509	mg/kg	1070	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Cadmium	0.068	mg/kg	0.11	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Molybdenum	0.31	mg/kg	1.1	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Silver	0.12	mg/kg	0.43	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Zirconium	21.1	mg/kg	21.4	J	J

ID - identification

J - estimated value.

mg/l - milligram per liter

ug/l - microgram per liter

mg/kg- milligram per kilogram

ug/kg- microgram per kilogram

pg/g- picogram per gram

QL - quantitation limit

- Result is biased low

+ Result is biased high

**TABLE 2-4**  
**SUMMARY OF DATA QUALIFIED DUE TO LABORATORY BLANK CONTAMINATION**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Reported Concentration	Blank Concentration	Check Qualifier	Final Qualifier
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Tungsten	<1	mg/kg	1	0.54	1.5 ug/L	U	U
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Thallium	<0.44	mg/kg	0.44	0.4	1.1 ug/L	U	U
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Tungsten	<1.1	mg/kg	1.1	1.1	1.5 ug/L	U	U
TSB-CJ-09-10	F8F130140008	SW7471	6/17/2008	Mercury	<36.5	ug/kg	36.5	21.2	0.1 ug/L	U	UJ
TSB-GJ-08-0	F8F050256005	SW8260	6/9/2008	Dichloromethane	<11	ug/kg	5.1	11	1.1	U	U
TSB-GJ-08-10	F8F120167001	SW7471	6/17/2008	Mercury	<35.7	ug/kg	35.7	19.1	0.1 ug/L	U	U
TSB-GJ-08-20	F8F120167002	SW6020	6/27/2008	Thallium	<0.48	mg/kg	0.48	0.4	1.1 ug/L	U	U
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Tungsten	<1.2	mg/kg	1.2	0.7	1.4 ug/L	U	UJ
TSB-GJ-08-30	F8F120167003	SW6010	6/17/2008	Lithium	<180	mg/kg	180	65	8.0 ug/L	U	UJ
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Cadmium	<0.1	mg/kg	0.1	0.098	0.2 ug/L	U	U
TSB-GJ-09-10	F8F120180001	SW6010	6/17/2008	Lithium	<26.6	mg/kg	26.6	6.7	8.0 ug/L	U	UJ
TSB-GJ-09-20	F8F120180002	E300	6/21/2008	Orthophosphate as P	<6.3	mg/kg	6.3	1.5	0.102	U	U
TSB-GJ-09-40	F8F120180004	SW6010	6/17/2008	Lithium	<157	mg/kg	157	111	8.0 ug/L	U	UJ
TSB-GJ-09-40	F8F120180004	SW7471	6/17/2008	Mercury	<52.4	ug/kg	52.4	22	0.1	U	U
RINSATE 1	F8F050256019	SW6020	6/22/2008	Silicon	<250	ug/l	250	70.3	Prep Blank = 62.2	U	U
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Cadmium	<0.1	mg/kg	0.1	0.093	0.2 ug/L	U	U
TSB-FJ-02-02-10	210150008	HASL-300	7/2/2008	Uranium-233/234	<1	pCi/g	1	0.987	0.461	U	U
TSB-FJ-06-02-10	210150001	HASL-300	7/2/2008	Uranium-233/234	<1	pCi/g	1	0.829	0.461	U	U
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Tungsten	<1.1	mg/kg	1.1	0.56	1.4 ug/L	U	UJ
TSB-FJ-06-02-10	F8F110173001	SW8260	6/12/2008	Tetrachloroethylene	<5.3	ug/kg	5.3	1.6	1.5	U	U
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Thallium	<0.64	mg/kg	0.64	0.57	1.1 ug/L	U	U
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Tetrachloroethylene	<6.4	ug/kg	6.4	2.4	1.5	U	U
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Tetrachloroethylene	<5.4	ug/kg	5.4	1.7	1.5	U	U
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Antimony	<1	mg/kg	1	0.22	2.7 ug/L	U	UJ
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Tungsten	<1	mg/kg	1	0.97	1.9 ug/L	U	UJ
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	Dichloromethane	<11	ug/kg	5.1	11	1.1	U	U
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Tungsten	<1	mg/kg	1	0.79	1.9 ug/L	U	UJ
TSB-FR-02-02-10	F8F110173004	SW8260	6/12/2008	Tetrachloroethylene	<5.7	ug/kg	5.7	1.2	1.5	U	U
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Tungsten	<1.1	mg/kg	1.1	0.6	1.4 ug/L	U	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Tetrachloroethylene	<5.4	ug/kg	5.4	1.2	1.5	U	U
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Tetrachloroethylene	<6.6	ug/kg	6.6	1.6	1.5	U	U
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Tetrachloroethylene	<6.1	ug/kg	6.1	1.3	1.5	U	U
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Tetrachloroethylene	<6.5	ug/kg	6.5	1.2	1.5	U	U

**TABLE 2-4**  
**SUMMARY OF DATA QUALIFIED DUE TO LABORATORY BLANK CONTAMINATION**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Reported Concentration	Blank Concentration	Check Qualifier	Final Qualifier
TSB-FR-02-02-20	F8F110177001	SW8260	6/12/2008	Tetrachloroethylene	<5.6	ug/kg	5.6	1.4	1.5	U	U
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Tetrachloroethylene	<7.2	ug/kg	7.2	1.3	1.5	U	U

ID - identification

U - non-detect result due to blank contamination

UJ - non-detect estimated quantitation limit

QL- quantitation limit

pCi/g - picoCuries per gram

ug/l - microgram per liter

mg/kg- milligram per kilogram

ug/kg- microgram per kilogram

**TABLE 2-5**  
**SUMMARY OF DATA QUALIFIED DUE TO FIELD BLANK CONTAMINATION**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

**JUNE-JULY 2008**

**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Reported Concentration	Blank Concentration	Check Qualifiers	Final Qualifier
TSB-CJ-09-0	F8F130140004	SW8260	6/16/2008	Toluene	<5.2	ug/kg	5.2	0.49	0.22 ug/l	U	U
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Thallium	<0.44	mg/kg	0.44	0.4	1.5 ug/l	U	U
TSB-FR-02-02-0	F8F050256001	SW8260	6/9/2008	Chloroform	<5.1	ug/kg	5.1	0.53	0.12 ug/l	U	U
TSB-GJ-08-10	210228001	EPA 903.1 mod	6/27/2008	Radium-226	<1	pCi/g	1	0.949	0.505	U	U
TSB-GJ-09-30	210228007	EPA 903.1 mod	6/27/2008	Radium-226	<1	pCi/g	1	0.327	0.505	U	U

ID - identification

QL - quantitation limit

U - non-detect result due to blank contamination

mg/kg- milligram per kilogram

ug/kg- microgram per kilogram

ug/l - microgram per liter

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Antimony	< 1	mg/kg	53.5,55.4	75-125	1	UJ	UJ
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Magnesium	7620	mg/kg	64.6,161.1	75-125	104	J	J
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Niobium	< 5.2	mg/kg	42.1,46.5	75-125	5.2	UJ	UJ
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Potassium	2710	mg/kg	128.9	75-125	20.9	J+	J+
TSB-CJ-09-0	F8F130140004	SW6020	6/27/2008	Silicon	402	mg/kg	393.7,361.5	75-125	52.2	J+	J+
TSB-CJ-09-0	F8F130140004	SW6020	6/27/2008	Strontium	199	mg/kg	74.8	75-125	1	J-	J-
TSB-CJ-09-0	F8F130140004	SW6020	6/27/2008	Titanium	378	mg/kg	237.7,300.9	75-125	1	J+	J+
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Zinc	25.5	mg/kg	125.7	75-125	4.2	J+	J+
TSB-CJ-09-0	F8F130140004	SW7471	6/17/2008	Mercury	< 34.8	ug/kg	52.6	75-125	34.8	UJ	UJ
TSB-CJ-09-0	F8F130140004	SW9071B	6/21/2008	Oil & Grease (HEM)	< 209	mg/kg	63,63	75-125	209	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	53.5,55.4	75-125	1.1	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Magnesium	9800	mg/kg	64.6,161.1	75-125	110	J	J
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Niobium	< 5.5	mg/kg	42.1,46.5	75-125	5.5	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Potassium	1770	mg/kg	128.9	75-125	21.9	J+	J+
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Silicon	523	mg/kg	393.7,361.5	75-125	54.8	J+	J
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Strontium	291	mg/kg	74.8	75-125	1.1	J-	J
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Titanium	593	mg/kg	237.7,300.9	75-125	1.1	J+	J+
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Zinc	33	mg/kg	125.7	75-125	4.4	J+	J+
TSB-CJ-09-10	F8F130140008	SW7471	6/17/2008	Mercury	<36.5	ug/kg	52.6	75-125	36.5	J-	UJ
TSB-CJ-09-10	F8F130140008	SW9071B	6/21/2008	Oil & Grease (HEM)	< 219	mg/kg	63,63	75-125	219	UJ	UJ
TSB-FJ-02-02-0	IRF0782-02	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	0,19	75-125	210	R	R
TSB-FJ-06-02-0	IRF0782-06	EPA 300.1 Mod.	6/19/2008	Chlorite	< 200	ug/kg	0,19	75-125	200	R	R
TSB-FR-02-02-0	IRF0782-01	EPA 300.1 Mod.	6/18/2008	Chlorite	< 410	ug/kg	0,19	75-125	410	R	R
TSB-GJ-08-0	IRF0782-05	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	0,19	75-125	210	R	R
TSB-GJ-08-0	F8F050256005	SW6010	6/11/2008	Sulfur	1360	mg/kg	72.8	75-125	1020	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Antimony	< 1	mg/kg	47.7,56.6	75-125	1	UJ	UJ
TSB-GJ-08-0	F8F050256005	SW6020	6/21/2008	Barium	221	mg/kg	70.6	75-125	5.1	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Chromium (Total)	9.8	mg/kg	72	75-125	2	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Cobalt	7.2	mg/kg	72.4	75-125	0.41	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Copper	17.8	mg/kg	70.4	75-125	2	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Magnesium	9220	mg/kg	43.2,144.7	75-125	102	J	J
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Nickel	15.7	mg/kg	69.3,50.7	75-125	1	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	44.1	75-125	5.1	UJ	UJ

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Phosphorus (as P)	984	mg/kg	128.2	75-125	102	J+	J+
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Potassium	1900	mg/kg	59.5	75-125	20.3	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Selenium	< 1	mg/kg	74.5	75-125	1	UJ	UJ
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Silicon	149	mg/kg	221.9,336.9	75-125	50.8	J+	J+
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Strontium	158	mg/kg	20.7	75-125	1	J-	J
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Tungsten	< 1	mg/kg	63.7	75-125	1	UJ	UJ
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Vanadium	37.6	mg/kg	70.8	75-125	2	J-	J-
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Zinc	52.3	mg/kg	53.0,131.6	75-125	4.1	J	J
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Zirconium	19.4	mg/kg	52.8,66.6	75-125	20.3	J-	J-
TSB-GJ-08-10	F8F120167001	SW6010	6/17/2008	Lithium	< 107	mg/kg	69.8	75-125	107	UJ	UJ
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	55.2,39.4	75-125	1.3	UJ	UJ
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Copper	16.4	mg/kg	72.5,60.9	75-125	2.7	J-	J-
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Nickel	15.1	mg/kg	71.1	75-125	1.3	J-	J-
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Niobium	< 6.7	mg/kg	40.6,29.7	75-125	6.7	R	R
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Phosphorus (as P)	761	mg/kg	134.8	75-125	134	J+	J+
TSB-GJ-08-10	F8F120167001	SW6020	6/27/2008	Silicon	314	mg/kg	65.4,44.6	75-125	66.9	J-	J-
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	60.6	75-125	1.3	UJ	UJ
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Vanadium	39.1	mg/kg	68.4,56.0	75-125	2.7	J-	J-
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Zinc	30.7	mg/kg	62.2	75-125	5.4	J-	J-
TSB-GJ-08-20	F8F120167002	SW6010	6/17/2008	Lithium	73.5	mg/kg	69.8	75-125	29.8	J-	J-
TSB-GJ-08-20	F8F120167002	SW6010	6/17/2008	Sulfur	6030	mg/kg	140.1,135.4	75-125	2980	J+	J+
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Antimony	< 1.2	mg/kg	55.2,39.4	75-125	1.2	UJ	UJ
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Copper	11.4	mg/kg	72.5,60.9	75-125	2.4	J-	J-
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Nickel	11.6	mg/kg	71.1	75-125	1.2	J-	J-
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Niobium	< 6	mg/kg	40.6,29.7	75-125	6	R	R
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Phosphorus (as P)	484	mg/kg	134.8	75-125	119	J+	J+
TSB-GJ-08-20	F8F120167002	SW6020	6/27/2008	Silicon	323	mg/kg	65.4,44.6	75-125	59.7	J-	J
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Tungsten	<1.2	mg/kg	60.6	75-125	1.2	J-	UJ
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Vanadium	42.3	mg/kg	68.4,56.0	75-125	2.4	J-	J-
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Zinc	32.8	mg/kg	62.2	75-125	4.8	J-	J-
TSB-GJ-08-30	F8F120167003	SW6010	6/17/2008	Lithium	<180	mg/kg	69.8	75-125	180	J-	UJ
TSB-GJ-08-30	F8F120167003	SW6010	6/17/2008	Sulfur	2240	mg/kg	140.1,135.4	75-125	4500	J+	J+
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Antimony	< 1.8	mg/kg	55.2,39.4	75-125	1.8	UJ	UJ



**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Copper	17.8	mg/kg	72.5,60.9	75-125	3.6	J-	J-
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Nickel	11.6	mg/kg	71.1	75-125	1.8	J-	J-
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Niobium	< 9	mg/kg	40.6,29.7	75-125	9	R	R
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Phosphorus (as P)	590	mg/kg	134.8	75-125	180	J+	J+
TSB-GJ-08-30	F8F120167003	SW6020	6/27/2008	Silicon	913	mg/kg	65.4,44.6	75-125	90	J-	J
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Tungsten	< 1.8	mg/kg	60.6	75-125	1.8	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Vanadium	37.6	mg/kg	68.4,56.0	75-125	3.6	J-	J-
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Zinc	34.1	mg/kg	62.2	75-125	7.2	J-	J-
TSB-GJ-08-40	F8F120167004	SW6010	6/17/2008	Lithium	73.5	mg/kg	69.8	75-125	40.3	J-	J-
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Antimony	< 1.6	mg/kg	55.2,39.4	75-125	1.6	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Copper	16.4	mg/kg	72.5,60.9	75-125	3.2	J-	J-
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Nickel	16.6	mg/kg	71.1	75-125	1.6	J-	J-
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Niobium	< 8.1	mg/kg	40.6,29.7	75-125	8.1	R	R
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Phosphorus (as P)	705	mg/kg	134.8	75-125	161	J+	J+
TSB-GJ-08-40	F8F120167004	SW6020	6/27/2008	Silicon	767	mg/kg	65.4,44.6	75-125	80.6	J-	J-
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Tungsten	< 1.6	mg/kg	60.6	75-125	1.6	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Vanadium	39	mg/kg	68.4,56.0	75-125	3.2	J-	J-
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Zinc	49	mg/kg	62.2	75-125	6.4	J-	J-
TSB-GJ-09-0	IRF0782-03	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	0,19	75-125	210	R	R
TSB-GJ-09-0	F8F050256003	SW6010	6/11/2008	Sulfur	1740	mg/kg	72.8	75-125	1030	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Antimony	< 1	mg/kg	47.7,56.6	75-125	1	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW6020	6/21/2008	Barium	230	mg/kg	70.6	75-125	5.1	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Chromium (Total)	8.1	mg/kg	72	75-125	2.1	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Cobalt	7.9	mg/kg	72.4	75-125	0.41	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Copper	14	mg/kg	70.4	75-125	2.1	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Magnesium	11300	mg/kg	43.2,144.7	75-125	103	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Nickel	13.6	mg/kg	69.3,50.7	75-125	1	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	44.1	75-125	5.1	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Phosphorus (as P)	908	mg/kg	128.2	75-125	103	J+	J+
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Potassium	1520	mg/kg	59.5	75-125	20.5	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Selenium	< 1	mg/kg	74.5	75-125	1	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Silicon	133	mg/kg	221.9,336.9	75-125	51.3	J+	J+
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Strontium	287	mg/kg	20.7	75-125	1	J-	J

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Tungsten	< 1	mg/kg	63.7	75-125	1	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Vanadium	33.6	mg/kg	70.8	75-125	2.1	J-	J-
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Zinc	33.5	mg/kg	53.0,131.6	75-125	4.1	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Zirconium	18.1	mg/kg	52.8,66.6	75-125	20.5	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6010	6/11/2008	Sulfur	1410	mg/kg	72.8	75-125	1030	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Antimony	< 1	mg/kg	47.7,56.6	75-125	1	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/21/2008	Barium	211	mg/kg	70.6	75-125	5.2	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Chromium (Total)	10.3	mg/kg	72	75-125	2.1	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Cobalt	6.9	mg/kg	72.4	75-125	0.41	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Copper	15.3	mg/kg	70.4	75-125	2.1	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Magnesium	13400	mg/kg	43.2,144.7	75-125	103	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Nickel	15	mg/kg	69.3,50.7	75-125	1	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Niobium	< 5.2	mg/kg	44.1	75-125	5.2	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Phosphorus (as P)	868	mg/kg	128.2	75-125	103	J+	J+
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Potassium	1840	mg/kg	59.5	75-125	20.7	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Selenium	< 1	mg/kg	74.5	75-125	1	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Silicon	158	mg/kg	221.9,336.9	75-125	51.7	J+	J+
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Strontium	267	mg/kg	20.7	75-125	1	J-	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Tungsten	< 1	mg/kg	63.7	75-125	1	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Vanadium	37.2	mg/kg	70.8	75-125	2.1	J-	J-
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Zinc	35.8	mg/kg	53.0,131.6	75-125	4.1	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Zirconium	22.2	mg/kg	52.8,66.6	75-125	20.7	J-	J-
TSB-GJ-09-0-FD	IRF0782-04	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	0,19	75-125	210	R	R
TSB-GJ-09-10	F8F120180001	SW6010	6/17/2008	Lithium	<26.6	mg/kg	69.8	75-125	26.6	J-	UJ
TSB-GJ-09-10	F8F120180001	SW6010	6/17/2008	Sulfur	1740	mg/kg	140.1,135.4	75-125	2660	J+	J+
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	55.2,39.4	75-125	1.1	UJ	UJ
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Copper	14.1	mg/kg	72.5,60.9	75-125	2.1	J-	J-
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Nickel	14.6	mg/kg	71.1	75-125	1.1	J-	J-
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Niobium	< 5.3	mg/kg	29.7	75-125	5.3	R	R
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Phosphorus (as P)	975	mg/kg	134.8	75-125	106	J+	J+
TSB-GJ-09-10	F8F120180001	SW6020	6/27/2008	Silicon	385	mg/kg	65.4,44.6	75-125	53.2	J-	J-
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Tungsten	< 1.1	mg/kg	60.6	75-125	1.1	UJ	UJ
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Vanadium	38.6	mg/kg	68.4,56.0	75-125	2.1	J-	J-

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Zinc	30.1	mg/kg	62.2	75-125	4.3	J-	J-
TSB-GJ-09-10	F8F120180001	SW9071B	6/21/2008	Oil & Grease (HEM)	< 213	mg/kg	63,63	75-125	213	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW6010	6/17/2008	Lithium	< 126	mg/kg	69.8	75-125	126	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW6010	6/17/2008	Sulfur	53300	mg/kg	140.1,135.4	75-125	3140	J+	J+
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Antimony	< 3.1	mg/kg	55.2,39.4	75-125	3.1	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Copper	13.5	mg/kg	72.5,60.9	75-125	6.3	J-	J-
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Nickel	14.7	mg/kg	71.1	75-125	3.1	J-	J-
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Niobium	< 15.7	mg/kg	29.7	75-125	15.7	R	R
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Phosphorus (as P)	528	mg/kg	134.8	75-125	314	J+	J+
TSB-GJ-09-20	F8F120180002	SW6020	6/27/2008	Silicon	549	mg/kg	65.4,44.6	75-125	157	J-	J-
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Tungsten	< 3.1	mg/kg	60.6	75-125	3.1	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Vanadium	57.7	mg/kg	68.4,56.0	75-125	6.3	J-	J-
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Zinc	91.2	mg/kg	62.2	75-125	12.6	J-	J-
TSB-GJ-09-20	F8F120180002	SW9071B	6/21/2008	Oil & Grease (HEM)	< 251	mg/kg	63,63	75-125	251	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW6010	6/17/2008	Lithium	47.4	mg/kg	69.8	75-125	35.8	J-	J-
TSB-GJ-09-30	F8F120180003	SW6010	6/17/2008	Sulfur	1610	mg/kg	140.1,135.4	75-125	3580	J+	J+
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Antimony	< 1.4	mg/kg	55.2,39.4	75-125	1.4	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Copper	14.8	mg/kg	72.5,60.9	75-125	2.9	J-	J-
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Nickel	13.4	mg/kg	71.1	75-125	1.4	J-	J-
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Niobium	< 7.2	mg/kg	29.7	75-125	7.2	R	R
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Phosphorus (as P)	687	mg/kg	134.8	75-125	143	J+	J+
TSB-GJ-09-30	F8F120180003	SW6020	6/27/2008	Silicon	726	mg/kg	65.4,44.6	75-125	71.6	J-	J-
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Tungsten	< 1.4	mg/kg	60.6	75-125	1.4	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Vanadium	41	mg/kg	68.4,56.0	75-125	2.9	J-	J-
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Zinc	37.2	mg/kg	62.2	75-125	5.7	J-	J-
TSB-GJ-09-30	F8F120180003	SW9071B	6/21/2008	Oil & Grease (HEM)	< 286	mg/kg	63,63	75-125	286	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW6010	6/17/2008	Lithium	<157	mg/kg	69.8	75-125	157	J-	UJ
TSB-GJ-09-40	F8F120180004	SW6010	6/17/2008	Sulfur	2030	mg/kg	140.1,135.4	75-125	3930	J+	J+
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Antimony	< 1.6	mg/kg	55.2,39.4	75-125	1.6	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Copper	16.2	mg/kg	72.5,60.9	75-125	3.1	J-	J-
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Nickel	16.3	mg/kg	71.1	75-125	1.6	J-	J-
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Niobium	< 7.9	mg/kg	29.7	75-125	7.9	R	R
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Phosphorus (as P)	572	mg/kg	134.8	75-125	157	J+	J+

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-09-40	F8F120180004	SW6020	6/27/2008	Silicon	806	mg/kg	65.4,44.6	75-125	78.6	J-	J-
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Tungsten	< 1.6	mg/kg	60.6	75-125	1.6	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Vanadium	42.4	mg/kg	68.4,56.0	75-125	3.1	J-	J-
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Zinc	45	mg/kg	62.2	75-125	6.3	J-	J-
TSB-GJ-09-40	F8F120180004	SW9071B	6/21/2008	Oil & Grease (HEM)	< 314	mg/kg	63,63	75-125	314	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	SW6010	6/11/2008	Sulfur	543	mg/kg	72.8	75-125	1020	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Antimony	< 1	mg/kg	47.7,56.6	75-125	1	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	SW6020	6/21/2008	Barium	237	mg/kg	70.6	75-125	5.1	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Chromium (Total)	8.4	mg/kg	72	75-125	2	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Cobalt	6.9	mg/kg	72.4	75-125	0.41	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Copper	14.1	mg/kg	70.4	75-125	2	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Magnesium	9270	mg/kg	43.2,144.7	75-125	102	J	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Nickel	14.8	mg/kg	69.3,50.7	75-125	1	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	44.1	75-125	5.1	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Phosphorus (as P)	1250	mg/kg	128.2	75-125	102	J+	J+
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Potassium	2000	mg/kg	59.5	75-125	20.4	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Selenium	< 1	mg/kg	74.5	75-125	1	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Silicon	157	mg/kg	221.9,336.9	75-125	50.9	J+	J+
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Strontium	154	mg/kg	20.7	75-125	1	J-	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Tungsten	9	mg/kg	63.7	75-125	1	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Vanadium	34.1	mg/kg	70.8	75-125	2	J-	J-
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Zinc	34.4	mg/kg	53.0,131.6	75-125	4.1	J	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Zirconium	19.7	mg/kg	52.8,66.6	75-125	20.4	J-	J-
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	50	75-125	1.1	UJ	UJ
TSB-FJ-06-02-10	F8F110173001	SW6020	6/27/2008	Barium	239	mg/kg	61.1,61.0	75-125	4.3	J-	J-
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Copper	15.7	mg/kg	73.2	75-125	2.1	J-	J-
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Magnesium	10200	mg/kg	43.4,34.8	75-125	106	J-	J-
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Niobium	< 5.3	mg/kg	38.8,39.3	75-125	5.3	UJ	UJ
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Phosphorus (as P)	1080	mg/kg	43.6,63.8	75-125	106	J-	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Tungsten	< 1.1	mg/kg	71.5,71.0	75-125	1.1	J-	UJ
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Zinc	32.9	mg/kg	74.8	75-125	4.3	J-	J-
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Antimony	< 1.6	mg/kg	50	75-125	1.6	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Barium	56.7	mg/kg	61.1,61.0	75-125	6.4	J-	J-

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Copper	17.8	mg/kg	73.2	75-125	3.2	J-	J-
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Magnesium	30700	mg/kg	43.4,34.8	75-125	160	J-	J-
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Niobium	< 8	mg/kg	38.8,39.3	75-125	8	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Phosphorus (as P)	566	mg/kg	43.6,63.8	75-125	160	J-	J
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Tungsten	1.7	mg/kg	71.5,71.0	75-125	1.6	J-	J-
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Zinc	41.2	mg/kg	74.8	75-125	6.4	J-	J-
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	50	75-125	1.3	UJ	UJ
TSB-FJ-06-02-30	F8F110173003	SW6020	6/27/2008	Barium	30.5	mg/kg	61.1,61.0	75-125	21.5	J-	J-
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Copper	9.9	mg/kg	73.2	75-125	2.7	J-	J-
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Magnesium	21000	mg/kg	43.4,34.8	75-125	134	J-	J-
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Niobium	< 6.7	mg/kg	38.8,39.3	75-125	6.7	UJ	UJ
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Phosphorus (as P)	649	mg/kg	43.6,63.8	75-125	134	J-	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	71.5,71.0	75-125	1.3	UJ	UJ
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Zinc	27.4	mg/kg	74.8	75-125	5.4	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6010	6/11/2008	Sulfur	1310	mg/kg	72.8	75-125	1010	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Antimony	<1	mg/kg	47.7,56.6	75-125	1	J-	UJ
TSB-FJ-06-02-0	F8F050256006	SW6020	6/21/2008	Barium	1420	mg/kg	70.6	75-125	10.1	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Chromium (Total)	14.9	mg/kg	72	75-125	2	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Cobalt	9.2	mg/kg	72.4	75-125	0.41	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Copper	24	mg/kg	70.4	75-125	2	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Magnesium	11900	mg/kg	43.2,144.7	75-125	101	J	J
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Nickel	17.5	mg/kg	69.3,50.7	75-125	1	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	44.1	75-125	5.1	UJ	UJ
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Phosphorus (as P)	1010	mg/kg	128.2	75-125	101	J+	J+
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Potassium	1890	mg/kg	59.5	75-125	20.3	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Selenium	< 1	mg/kg	74.5	75-125	1	UJ	UJ
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Silicon	186	mg/kg	221.9,336.9	75-125	50.7	J+	J+
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Strontium	168	mg/kg	20.7	75-125	1	J-	J
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Tungsten	<1	mg/kg	63.7	75-125	1	J-	UJ
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Vanadium	37	mg/kg	70.8	75-125	2	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Zinc	62.1	mg/kg	53.0,131.6	75-125	4.1	J	J
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Zirconium	21.4	mg/kg	52.8,66.6	75-125	20.3	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6010	6/11/2008	Sulfur	1230	mg/kg	72.8	75-125	1020	J-	J-

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Antimony	< 1	mg/kg	47.7,56.6	75-125	1	UJ	UJ
TSB-FR-02-02-0	F8F050256001	SW6020	6/21/2008	Barium	445	mg/kg	70.6	75-125	5.1	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Chromium (Total)	18.1	mg/kg	72	75-125	2	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Cobalt	7.7	mg/kg	72.4	75-125	0.41	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Copper	20.4	mg/kg	70.4	75-125	2	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Magnesium	12500	mg/kg	43.2,144.7	75-125	102	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Nickel	14.8	mg/kg	69.3,50.7	75-125	1	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	44.1	75-125	5.1	UJ	UJ
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Phosphorus (as P)	950	mg/kg	128.2	75-125	102	J+	J+
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Potassium	1960	mg/kg	59.5	75-125	20.4	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Selenium	< 1	mg/kg	74.5	75-125	1	UJ	UJ
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Silicon	158	mg/kg	221.9,336.9	75-125	50.9	J+	J+
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Strontium	166	mg/kg	20.7	75-125	1	J-	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Tungsten	<1	mg/kg	63.7	75-125	1	J-	UJ
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Vanadium	35.6	mg/kg	70.8	75-125	2	J-	J-
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Zinc	43.5	mg/kg	53.0,131.6	75-125	4.1	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Zirconium	22.6	mg/kg	52.8,66.6	75-125	20.4	J-	J-
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	50	75-125	1.1	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW6020	6/27/2008	Barium	126	mg/kg	61.1,61.0	75-125	11.4	J-	J-
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Copper	15	mg/kg	73.2	75-125	2.3	J-	J-
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Magnesium	18900	mg/kg	43.4,34.8	75-125	114	J-	J-
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Niobium	< 5.7	mg/kg	38.8,39.3	75-125	5.7	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Phosphorus (as P)	1200	mg/kg	43.6,63.8	75-125	114	J-	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Tungsten	< 1.1	mg/kg	71.5,71.0	75-125	1.1	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Zinc	26.2	mg/kg	74.8	75-125	4.6	J-	J-
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	50	75-125	1.1	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/27/2008	Barium	140	mg/kg	61.1,61.0	75-125	4.3	J-	J-
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Copper	14.6	mg/kg	73.2	75-125	2.1	J-	J-
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Magnesium	12500	mg/kg	43.4,34.8	75-125	107	J-	J-
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Niobium	< 5.4	mg/kg	38.8,39.3	75-125	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Phosphorus (as P)	1160	mg/kg	43.6,63.8	75-125	107	J-	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Tungsten	<1.1	mg/kg	71.5,71.0	75-125	1.1	J-	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Zinc	30	mg/kg	74.8	75-125	4.3	J-	J-

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	50.0,50.0	75-125	1.3	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Barium	246	mg/kg	61.1,61.0	75-125	5.3	J-	J-
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Copper	22.5	mg/kg	73.2	75-125	2.6	J-	J-
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Magnesium	15700	mg/kg	43.4,34.8	75-125	132	J-	J-
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Niobium	< 6.6	mg/kg	38.8,39.3	75-125	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Phosphorus (as P)	1190	mg/kg	43.6,63.8	75-125	132	J-	J
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	71.5,71.0	75-125	1.3	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Zinc	44.2	mg/kg	74.8	75-125	5.3	J-	J-
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Antimony	< 1.2	mg/kg	50.0,50.0	75-125	1.2	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW6020	6/27/2008	Barium	60.1	mg/kg	61.1,61.0	75-125	24.3	J-	J-
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Copper	6.4	mg/kg	73.2	75-125	2.4	J-	J-
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Magnesium	6180	mg/kg	43.4,34.8	75-125	122	J-	J-
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Niobium	< 6.1	mg/kg	38.8,39.3	75-125	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Phosphorus (as P)	382	mg/kg	43.6,63.8	75-125	122	J-	J
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Tungsten	< 1.2	mg/kg	71.5,71.0	75-125	1.2	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Zinc	13.2	mg/kg	74.8	75-125	4.9	J-	J-
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	50.0,50.0	75-125	1.3	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW6020	6/27/2008	Barium	91.2	mg/kg	61.1,61.0	75-125	26	J-	J-
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Copper	13	mg/kg	73.2	75-125	2.6	J-	J-
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Magnesium	12100	mg/kg	43.4,34.8	75-125	130	J-	J-
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Niobium	< 6.5	mg/kg	38.8,39.3	75-125	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Phosphorus (as P)	703	mg/kg	43.6,63.8	75-125	130	J-	J
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	71.5,71.0	75-125	1.3	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Zinc	25.9	mg/kg	74.8	75-125	5.2	J-	J-
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	50.0,50.0	75-125	1.1	UJ	UJ
TSB-FR-02-02-20	F8F110177001	SW6020	6/27/2008	Barium	85.3	mg/kg	61.1,61.0	75-125	11.1	J-	J-
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Copper	8.2	mg/kg	73.2	75-125	2.2	J-	J-
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Magnesium	4390	mg/kg	43.4,34.8	75-125	111	J-	J-
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Niobium	< 5.6	mg/kg	38.8,39.3	75-125	5.6	UJ	UJ
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Phosphorus (as P)	317	mg/kg	43.6,63.8	75-125	111	J-	J
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Tungsten	< 1.1	mg/kg	71.5,71.0	75-125	1.1	UJ	UJ
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Zinc	18.1	mg/kg	74.8	75-125	4.4	J-	J-
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Antimony	< 3.6	mg/kg	50.0,50.0	75-125	3.6	UJ	UJ

**TABLE 2-6**  
**SUMMARY OF DATA QUALIFIED DUE TO MS/MSD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
TSB-FR-02-02-30	F8F110177002	SW6020	6/27/2008	Barium	56.2	mg/kg	61.1,61.0	75-125	14.4	J-	J-
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Copper	28.8	mg/kg	73.2	75-125	7.2	J-	J-
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Magnesium	45100	mg/kg	43.4,34.8	75-125	361	J-	J-
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Niobium	< 18	mg/kg	38.8,39.3	75-125	18	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Phosphorus (as P)	812	mg/kg	43.6,63.8	75-125	361	J-	J
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Tungsten	< 3.6	mg/kg	71.5,71.0	75-125	3.6	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Zinc	65	mg/kg	74.8	75-125	14.4	J-	J-

ID - identification

U - non-detect result due to blank contamination

J - estimated value.

UJ - non-detect estimated quantitation limit

R - rejected value.

mg/kg - milligram per kilogram

ug/kg - microgram per kilogram

QL - quantitation limit

- Result is biased low

+ Result is biased high



**TABLE 2-7**  
**SUMMARY OF DATA QUALIFIED DUE TO LCS RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

**JUNE-JULY 2008**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limits	QL	Check Qualifier	Final Qualifier
RINSATE 1	F8F120137001	SW6020	6/25/2008	Palladium	< 0.5	ug/l	81	85-115	0.5	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	Octachlorodibenzodioxin	12	pg/g	154	74-144		J+	J

ID - identification

UJ - non-detect estimated quantitation limit

J - estimated value.

ug/l - microgram per liter

pg/g- picogram per gram

QL - quantitation limit

**TABLE 2-8**  
**SUMMARY OF DATA QUALIFIED DUE TO FIELD DUPLICATES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	RPD or Difference	Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-09-0	F8F050256003	E300	6/17/2008	Bromide	8.5	mg/kg	Diff = 3.4	≤2.6	2.6	J	J
TSB-GJ-09-0	F8F050256003	E300.0	6/17/2008	Bromine	17.1	mg/kg	Diff = 7	≤5.2	5.1	J	J
TSB-GJ-09-0	209755001	EPA 903.1 mod	6/23/2008	Radium-226	1.07	pCi/g	Diff = 0.15	1	1	J	J
TSB-GJ-09-0	209755001	EPA 904.0 mod	6/20/2008	Radium-228	2.32	pCi/g	Diff = 1.47	1	1	J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	7.7	pg/g	Diff = 5.2	≤2.5		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.8	pg/g	Diff = 1.6	≤1.2		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	2.5	pg/g	Diff = 1.3	≤1.2		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	Octachlorodibenzodioxin	31	pg/g	RPD = 102	≤50		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	Octachlorodibenzofuran	19	pg/g	Diff = 14.9	≤4.1		J	J
TSB-GJ-09-0-FD	F8F050256004	E300	6/17/2008	Bromide	5.1	mg/kg	Diff = 3.4	≤2.6	2.6	J	J
TSB-GJ-09-0-FD	F8F050256004	E300.0	6/17/2008	Bromine	10.1	mg/kg	Diff = 7	≤5.2	5.2	J	J
TSB-GJ-09-0-FD	F8F050256004	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 2.5	pg/g	Diff = 5.2	≤2.5	2.5	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 1.2	pg/g	Diff = 1.6	≤1.2	1.2	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	< 1.2	pg/g	Diff = 1.3	≤1.2	1.2	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW8290	6/28/2008	Octachlorodibenzodioxin	10	pg/g	RPD = 102	≤50		J	J
TSB-GJ-09-0-FD	F8F050256004	SW8290	6/28/2008	Octachlorodibenzofuran	< 4.1	pg/g	Diff = 14.9	≤4.1	4.1	UJ	UJ
TSB-GJ-09-0-FD	209755002	EPA 903.1 mod	6/23/2008	Radium-226	0.920	pCi/g	Diff = 0.15	1	1	J	J
TSB-GJ-09-0-FD	209755002	EPA 904.0 mod	6/20/2008	Radium-228	0.850	pCi/g	Diff = 1.47	1	1	J	J
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Chloride	22.6	mg/kg	RPD = 69	RPD≤50	2.3	J	J
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Fluoride	3	mg/kg	Difference = 1.2	≤1.1	1.1	J	J
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Nitrate (as N)	1.5	mg/kg	Difference = 0.85	≤0.21	0.23	J	J
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Sulfate	305	mg/kg	RPD = 54	RPD≤50	57	J	J
TSB-FR-02-02-10	F8F110173004	E300.0	6/19/2008	Chlorine	45.3	mg/kg	RPD = 69	RPD≤50	4.6	J	J
TSB-FR-02-02-10	210150004	EPA 903.1 mod	6/27/2008	Radium-226	2.31	pCi/g	Diff = 1.07	≤1	1	J	J
TSB-FR-02-02-10	210150004	EPA 904.0 mod	7/14/2008	Radium-228	1.67	pCi/g	Diff = 1.228	≤1	1	J	J
TSB-FR-02-02-10	210150004	HASL-300	7/2/2008	Uranium-238	0.696	pCi/g	Difference = 1.034	≤1	1	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/27/2008	Calcium	60100	mg/kg	RPD = 92	RPD≤50	285	J	J
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Chloride	11	mg/kg	RPD = 69	RPD≤50	2.1	J	J
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Fluoride	1.8	mg/kg	Difference = 1.2	≤1.1	1.1	J	J
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Nitrate (as N)	0.65	mg/kg	Difference = 0.85	≤0.21	0.21	J	J
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Sulfate	175	mg/kg	RPD = 54	RPD≤50	5.4	J	J
TSB-FR-02-02-10-FD	F8F110173005	E300.0	6/19/2008	Chlorine	22	mg/kg	RPD = 69	RPD≤50	4.3	J	J

**TABLE 2-8**  
**SUMMARY OF DATA QUALIFIED DUE TO FIELD DUPLICATES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	RPD or Difference	Limit	QL	Check Qualifier	Final Qualifier
TSB-FR-02-02-10-FD	210150005	EPA 903.1 mod	6/27/2008	Radium-226	1.24	pCi/g	Diff = 1.07	≤1	1	J	J
TSB-FR-02-02-10-FD	210150005	EPA 904.0 mod	7/14/2008	Radium-228	<0.442	pCi/g	Diff = 1.228	≤1	1	UJ	UJ
TSB-FR-02-02-10-FD	210150005	HASL-300	7/2/2008	Uranium-238	1.73	pCi/g	Difference = 1.034	≤1	1	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/27/2008	Calcium	22200	mg/kg	RPD = 92	RPD≤50	107	J	J

ID - identification

RPD - relative percent difference

J - estimated value.

UJ - non-detect estimated quantitation limit

mg/kg - milligram per kilogram

pg/g- picogram per gram

pCi/g - picoCuries per gram

QL - quantitation limit

**TABLE 2-9**  
**SUMMARY OF DATA QUALIFIED DUE FOR LABORATORY DUPLICATES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	RPD, DER, or Difference	Limit	QL	Check Qualifier	Final Qualifier
TSB-CJ-09-0	210334001	HASL-300	6/21/2008	Thorium-228	2.86	pCi/g	Difference = 1.52	≤1	1	J	J
TSB-CJ-09-0	210334001	HASL-300	6/21/2008	Thorium-230	1.87	pCi/g	Difference = 1.88	≤1	1	J	J
TSB-CJ-09-10	210334002	HASL-300	6/21/2008	Thorium-228	4.94	pCi/g	Difference = 1.52	≤1	1	J	J
TSB-CJ-09-10	210334002	HASL-300	6/21/2008	Thorium-230	3.38	pCi/g	Difference = 1.88	≤1	1	J	J
TSB-FJ-02-02-10	210150008	EPA 904.0 mod	7/14/2008	Radium-228	1.74	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FJ-02-02-20	210150009	EPA 904.0 mod	7/14/2008	Radium-228	1.42	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FJ-02-02-30	210150010	EPA 904.0 mod	7/14/2008	Radium-228	1.41	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FJ-06-02-10	210150001	EPA 904.0 mod	7/14/2008	Radium-228	1.38	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FJ-06-02-20	210150002	EPA 904.0 mod	7/14/2008	Radium-228	1.04	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FJ-06-02-30	210150003	EPA 904.0 mod	7/14/2008	Radium-228	1.59	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FR-02-02-10	210150004	EPA 904.0 mod	7/14/2008	Radium-228	1.67	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FR-02-02-10-FD	210150005	EPA 904.0 mod	7/14/2008	Radium-228	<0.442	pCi/g	Difference = 1.44	≤1	1	UJ	UJ
TSB-FR-02-02-20	210150006	EPA 904.0 mod	7/14/2008	Radium-228	1.35	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-FR-02-02-30	210150007	EPA 904.0 mod	7/14/2008	Radium-228	0.956	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-08-10	210228001	EPA 904.0 mod	7/14/2008	Radium-228	2.73	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-08-20	210228002	EPA 904.0 mod	7/14/2008	Radium-228	1.61	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-08-30	210228003	EPA 904.0 mod	7/14/2008	Radium-228	1.58	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-08-40	210228004	EPA 904.0 mod	7/14/2008	Radium-228	1.83	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-09-10	210228005	EPA 904.0 mod	7/14/2008	Radium-228	1.71	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-09-20	210228006	EPA 904.0 mod	7/14/2008	Radium-228	1.5	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-09-30	210228007	EPA 904.0 mod	7/14/2008	Radium-228	1.21	pCi/g	Difference = 1.44	≤1	1	J	J
TSB-GJ-09-40	210228008	EPA 904.0 mod	7/14/2008	Radium-228	<0.905	pCi/g	Difference = 1.44	≤1	1	UJ	UJ

ID - identification

RPD - relative percent difference

DER - duplicate error ratio

J - estimated value.

UJ - non-detect estimated quantitation limit

pCi/g - picoCuries per gram

QL - quantitation limit

**TABLE 2-10**  
**SUMMARY OF DATA QUALIFIED DUE TO SURROGATE RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% Recovery	Limit	QL	Check Qualifier	Final Qualifier
RINSATE 1	F8F120137001	SW8260	6/20/2008	Dichloromethane	3.3	ug/l	116	66-115	1	J+	J+
RINSATE 1	F8F120137001	SW8310	6/19/2008	Acenaphthene	< 5	ug/l	60	70-130	5	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Acenaphthylene	< 5	ug/l	60	70-130	5	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Anthracene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(a)anthracene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(a)pyrene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(b)fluoranthene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(g,h,i)perylene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(k)fluoranthene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Chrysene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Dibenzo(a,h)anthracene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Indeno(1,2,3-cd)pyrene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Phenanthrene	< 1	ug/l	60	70-130	1	UJ	UJ
RINSATE 1	F8F120137001	SW8310	6/19/2008	Pyrene	< 1	ug/l	60	70-130	1	UJ	UJ
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	2,4-DDE	9.7	ug/kg	314	61-137	1.8	J+	J+
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	4,4-DDE	16	ug/kg	314	61-137	1.8	J+	J+
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	4,4-DDT	6.6	ug/kg	314	61-137	1.8	J+	J+
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	beta-BHC	51	ug/kg	314	61-137	1.8	J+	X
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	gamma-Chlordane	2.4	ug/kg	314	61-137	1.8	J+	J+
TSB-FJ-06-02-20	IRF1297-02	EPA 300.1 Mod.	6/26/2008	Chlorite	250	ug/kg	87.8	90-125	1200	J-	J-
TSB-GJ-08-20	F8F120167002	M8015D	6/17/2008	TPH (as Diesel)	< 30	mg/kg	41	75-150	30	UJ	UJ
TSB-GJ-09-10	IRF1296-01	EPA 300.1 Mod.	6/26/2008	Chlorite	< 1100	ug/kg	89	90-115	1100	UJ	UJ
TSB-GJ-09-20	IRF1296-02	EPA 300.1 Mod.	6/26/2008	Chlorite	< 1500	ug/kg	86	90-115	1500	UJ	UJ
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	2,4-DDE	20	ug/kg	160	63-117	1.7	J+	J+
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	4,4-DDE	26	ug/kg	160	63-117	1.7	J+	J+
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	4,4-DDT	16	ug/kg	160	63-117	1.7	J+	J
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	alpha-BHC	2	ug/kg	160	63-117	1.7	J+	J+
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	beta-BHC	65	ug/kg	160	63-117	1.7	J+	X
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	Endrin aldehyde	6.8	ug/kg	160	63-117	1.7	J+	J+
TSB-FJ-06-02-0	F8F050256006	SW8082	6/12/2008	Aroclor 1254	290	ug/kg	189	51-150	33	J+	J+

ID - identification

U - non-detect result due to blank contamination

J - estimated value.

UJ - non-detect estimated quantitation limit

X - removed value; replaced by a more accurate and precise value.

ug/l - microgram per liter

ug/kg- micrograms per kilogram

mg/kg- milligram per kilogram

QL - quantitation limit

+ Result is biased high

**TABLE 2-11**  
**SUMMARY OF DATA QUALIFIED DUE TO CALIBRATION VIOLATIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Violation	Limits	QL	Check Qualifier	Final Qualifier
RINSATE 1	F8F120137001	SW8260	6/20/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D =25.04476	%D ≤25	5	UJ	UJ
RINSATE 1	F8F120137001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 10	ug/l	ICAL RRF = 0.04408 CCAL RRF = 0.04523	RRF ≥0.05	10	UJ	UJ
RINSATE 1	F8F120137001	SW8270	6/19/2008	Phthalic acid	< 1000	ug/l	ICAL RRF = 0.01422 CCAL %D = 25.06818 CCAL RRF = 0.01066	RRF ≥0.05	1000	UJ	UJ
RINSATE-2	F8F130140001	SW6020	6/25/2008	Thallium	1.5	ug/l	CCV %R = 113.4	90-110	2	J+	J+
RINSATE-2	F8F130140001	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D = 25.04476	%D ≤25%	5	UJ	UJ
RINSATE-2	F8F130140001	SW8270	6/20/2008	Hydroxymethyl phthalimide	< 10	ug/l	ICAL RRF = 0.04408; CCAL RRF = 0.04523	≥0.05; ≥0.05	10	UJ	UJ
RINSATE-2	F8F130140001	SW8270	6/20/2008	Phthalic acid	< 1000	ug/l	ICAL RRF = 0.01422; CCAL %D = 25.06878; CCAL RRF = 0.01066	≥0.05; %D ≤25%; ≥0.05	1000	UJ	UJ
TB-1 6/11/08	F8F120167005	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D =25.04476	%D ≤25	5	UJ	UJ
TB-1 6/12/08	F8F130140009	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D = 25.04476	%D ≤25%	5	UJ	UJ
TB-2	F8F130140002	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D = 25.04476	%D ≤25%	5	UJ	UJ
TB-2 6/11/08	F8F120180005	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D =25.04476	%D ≤ 25	5	UJ	UJ
TB-2 6/12/08	F8F130140010	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D = 25.04476	%D ≤25%	5	UJ	UJ
TB-3	F8F120137002	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D =25.04476	%D ≤25	5	UJ	UJ
TB-4	F8F050256015	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	ICAL RRF = 0.00984; CCAL RRF = 0.00933	≥0.05; ≥0.05	10	UJ	UJ
TB-4	F8F050256015	SW8260	6/10/2008	Ethanol	< 250	ug/l	ICAL RRF = 0.00361	≥0.05	250	UJ	UJ
TB-4	F8F050256015	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	ICAL RRF = 0.03111; CCAL RRF = 0.02516	≥0.05; ≥0.05	5	UJ	UJ
TSB-CJ-09-0	F8F130140004	SW8260	6/16/2008	Ethanol	< 260	ug/kg	ICAL RRF = 0.00221; CCAL RRF = 0.00209	≥0.05; ≥0.05	260	UJ	UJ
TSB-CJ-09-0	F8F130140004	SW8270	6/20/2008	Hydroxymethyl phthalimide	< 340	ug/kg	ICAL RRF = 0.04408	≥0.05; ≥0.05	340	UJ	UJ
TSB-CJ-09-0	F8F130140004	SW8270	6/20/2008	Phthalic acid	400	ug/kg	ICAL RRF = 0.01422; CCAL %D = 25.06878; CCAL RRF = 0.01066	≥0.05; %D ≤25%; ≥0.05	1700	J	J
TSB-CJ-09-0	F8F130140004	SW8290	7/3/2008	2,3,7,8-Tetrachlorodibenzofuran	2200	pg/g	RCAL %D = 57.3, 71.8	≤30		J+	J
TSB-CJ-09-10	F8F130140008	SW8260	6/16/2008	Ethanol	< 270	ug/kg	ICAL RRF = 0.00221; CCAL RRF = 0.00209	≥0.05; ≥0.05	270	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8270	6/20/2008	Hydroxymethyl phthalimide	< 360	ug/kg	ICAL RRF = 0.04408	≥0.05; ≥0.05	360	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8270	6/20/2008	Phthalic acid	< 1800	ug/kg	ICAL RRF = 0.01422; CCAL %D = 25.06878; CCAL RRF = 0.01066	≥0.05; %D ≤25%; ≥0.05	1800	UJ	UJ
TSB-GJ-08-0	F8F050256005	E300	6/17/2008	Chlorate	< 5.1	mg/kg	CCAL not performed	Perform CCAL	5.1	UJ	UJ
TSB-GJ-08-0	F8F050256005	SW8260	6/9/2008	Ethanol	< 250	ug/kg	ICAL RRF = 0.00086; CCAL RRF = 0.00079	≥0.05; ≥0.05	250	UJ	UJ

**TABLE 2-11**  
**SUMMARY OF DATA QUALIFIED DUE TO CALIBRATION VIOLATIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Violation	Limits	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	CCAL %D = 46.18722	≤25	340	UJ	UJ
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Phthalic acid	< 1600	ug/kg	ICAL RRF = 0.02848; CCAL %D = 58.34506; CCAL RRF = 0.01186	≥0.05; ≤25; ≥0.05	1600	UJ	UJ
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	17	pg/g	CCAL %D = 57.3	≤30		J	J
TSB-GJ-08-0	F8F050256005	SW8310	6/11/2008	Benzo(k)fluoranthene	59	ug/kg	%D = 16.6	%D ≤15	15	J+	J+
TSB-GJ-08-10	F8F120167001	SW8260	6/16/2008	Ethanol	< 270	ug/kg	ICAL RRF = 0.00221; CCAL RRF = 0.00209	≥0.05; ≥0.05	270	UJ	UJ
TSB-GJ-08-10	F8F120167001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04331	RRF ≥0.05	350	UJ	UJ
TSB-GJ-08-10	F8F120167001	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06818 CCAL RRF = 0.01330	RRF ≥0.05 %D ≤25	1700	UJ	UJ
TSB-GJ-08-20	F8F120167002	SW8260	6/16/2008	Ethanol	< 300	ug/kg	ICAL RRF = 0.00221; CCAL RRF = 0.00209	≥0.05; ≥0.05	300	UJ	UJ
TSB-GJ-08-20	F8F120167002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 390	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04331	RRF ≥0.05	390	UJ	UJ
TSB-GJ-08-20	F8F120167002	SW8270	6/19/2008	Phthalic acid	< 1900	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06818 CCAL RRF = 0.01330	RRF ≥0.05 %D ≤25	1900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8260	6/16/2008	Ethanol	< 450	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥0.05	450	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 590	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04523	RRF ≥0.05	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phthalic acid	< 2900	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06818 CCAL RRF = 0.01066	RRF ≥0.05 %D ≤25	2900	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW8260	6/16/2008	Ethanol	< 400	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥0.05	400	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 530	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04523	RRF ≥0.05	530	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Phthalic acid	< 2600	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06818 CCAL RRF = 0.01066	RRF ≥0.05 %D ≤25	2600	UJ	UJ
TSB-GJ-09-0	F8F050256003	E300	6/17/2008	Chlorate	253	mg/kg	CCAL not performed	Perform CCAL	51.3	J	J
TSB-GJ-09-0	F8F050256003	SW8081	6/13/2008	4,4-DDE	16	ug/kg	CCAL %D = 15.7	≤15	8.7	J+	J+
TSB-GJ-09-0	F8F050256003	SW8260	6/9/2008	Ethanol	< 260	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥0.05	260	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	CCAL %D = 46.18722	≤25	340	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Phthalic acid	< 1600	ug/kg	ICAL RRF = 0.02848; CCAL %D = 58.34506; CCAL RRF = 0.01186	≥0.05; ≤25; ≥0.05	1600	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	4	pg/g	CCAL %D = 57.3	≤30		J	J

**TABLE 2-11**  
**SUMMARY OF DATA QUALIFIED DUE TO CALIBRATION VIOLATIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Violation	Limits	QL	Check Qualifier	Final Qualifier
TSB-GJ-09-0-FD	F8F050256004	E300	6/17/2008	Chlorate	185	mg/kg	CCAL not performed	Perform CCAL	5.2	J	J
TSB-GJ-09-0-FD	F8F050256004	SW8081	6/13/2008	4,4-DDE	14	ug/kg	CCAL %D = 15.7	≤15	8.8	J+	J+
TSB-GJ-09-0-FD	F8F050256004	SW8260	6/9/2008	Ethanol	< 260	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥0.05	260	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	CCAL %D = 46.18722	≤25	340	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW8270	6/12/2008	Phthalic acid	< 1700	ug/kg	ICAL RRF = 0.02848; CCAL %D = 58.34506; CCAL RRF = 0.01186	≥0.05; ≤25; ≥0.05	1700	UJ	UJ
TSB-GJ-09-0-FD	F8F050256004	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	2.6	pg/g	CCAL %D = 57.3	≤30		J	J
TSB-GJ-09-10	F8F120180001	SW8260	6/16/2008	Ethanol	< 270	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥ 0.05	270	UJ	UJ
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04523	RRF ≥0.05	350	UJ	UJ
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06878 CCAL RRF = 0.01066	RRF ≥0.05 %D ≤25	1700	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW8260	6/16/2008	Ethanol	< 310	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥ 0.05	310	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 410	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04523	RRF ≥0.05	410	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Phthalic acid	< 2000	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06878 CCAL RRF = 0.01066	RRF ≥0.05 %D ≤25	2000	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8260	6/16/2008	Ethanol	< 360	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥ 0.05	360	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 470	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04523	RRF ≥0.05	470	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Phthalic acid	< 2300	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06878 CCAL RRF = 0.01066	RRF ≥0.05 %D ≤25	2300	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW8260	6/16/2008	Ethanol	< 390	ug/kg	ICAL RRF = 0.00221 CCAL RRF = 0.00209	RRF ≥ 0.05	390	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 520	ug/kg	ICAL RRF = 0.04408 CCAL RRF = 0.04523	RRF ≥0.05	520	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Phthalic acid	< 2500	ug/kg	ICAL RRF = 0.01422 CCAL %D = 25.06878 CCAL RRF = 0.01066	RRF ≥0.05 %D ≤25	2500	UJ	UJ
RINSATE 1	F8F050256019	SW8270	6/13/2008	Hydroxymethyl phthalimide	< 10	ug/l	ICAL RRF = 0.04408; CCAL RRF = 0.04523	≥0.05; ≥0.05	10	UJ	UJ
RINSATE 1	F8F050256019	SW8270	6/13/2008	Phthalic acid	< 1000	ug/l	ICAL RRF = 0.01422; CCAL %D = 25.06818; CCAL RRF = 0.01066	≥0.05; ≤25; ≥0.05	1000	UJ	UJ



**TABLE 2-11**  
**SUMMARY OF DATA QUALIFIED DUE TO CALIBRATION VIOLATIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Violation	Limits	QL	Check Qualifier	Final Qualifier
TB-1	F8F050256017	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	ICAL RRF = 0.00984; CCAL RRF = 0.00933	≥0.05; ≥0.05	10	UJ	UJ
TB-1	F8F050256017	SW8260	6/10/2008	Ethanol	< 250	ug/l	ICAL RRF = 0.00361	≥0.05	250	UJ	UJ
TB-1	F8F050256017	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	ICAL RRF = 0.03111; CCAL RRF = 0.02516	≥0.05; ≥0.05	5	UJ	UJ
TB-1 6/10/08	F8F110173006	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D = 25.04476	≤25	5	UJ	UJ
TB-2	F8F050256014	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	ICAL RRF = 0.00984; CCAL RRF = 0.00933	≥0.05; ≥0.05	10	UJ	UJ
TB-2	F8F050256014	SW8260	6/10/2008	Ethanol	< 250	ug/l	ICAL RRF = 0.00361	≥0.05	250	UJ	UJ
TB-2	F8F050256014	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	ICAL RRF = 0.03111; CCAL RRF = 0.02516	≥0.05; ≥0.05	5	UJ	UJ
TB-3	F8F050256016	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	ICAL RRF = 0.00984; CCAL RRF = 0.00933	≥0.05; ≥0.05	10	UJ	UJ
TB-3	F8F050256016	SW8260	6/10/2008	Ethanol	< 250	ug/l	ICAL RRF = 0.00361	≥0.05	250	UJ	UJ
TB-3	F8F050256016	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	ICAL RRF = 0.03111; CCAL RRF = 0.02516	≥0.05; ≥0.05	5	UJ	UJ
TB-5	F8F050256018	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	ICAL RRF = 0.00984; CCAL RRF = 0.00933	≥0.05; ≥0.05	10	UJ	UJ
TB-5	F8F050256018	SW8260	6/10/2008	Ethanol	< 250	ug/l	ICAL RRF = 0.00361	≥0.05	250	UJ	UJ
TB-5	F8F050256018	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	ICAL RRF = 0.03111; CCAL RRF = 0.02516	≥0.05; ≥0.05	5	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	E300	6/16/2008	Chlorate	1.4	mg/kg	Continuing calibration was not performed	calibration must be performed	5.1	J	J
TSB-FJ-02-02-0	F8F050256002	SW8260	6/9/2008	Ethanol	< 250	ug/kg	ICAL RRF = 0.00086; CCAL RRF = 0.00079	≥0.05; ≥0.05	250	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	CCAL %D = 46.18722	≤25	340	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	SW8270	6/12/2008	Phthalic acid	< 1600	ug/kg	ICAL RRF = 0.02848; CCAL %D = 58.34506; CCAL RRF = 0.01186	≥0.05; ≤25; ≥0.05	1600	UJ	UJ
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	190	pg/g	CCAL %D = 57.3	≤30		J+	J
TSB-FJ-06-02-10	F8F110173001	SW8260	6/12/2008	Dichloromethane	< 5.3	ug/kg	CCAL %D = 29.90220	≤25	5.3	UJ	UJ
TSB-FJ-06-02-10	F8F110173001	SW8260	6/12/2008	Ethanol	< 270	ug/kg	ICAL RRF = 0.00148	≥0.05	270	UJ	UJ
TSB-FJ-06-02-10	F8F110173001	SW8270	6/18/2008	Hydroxymethyl phthalimide	< 350	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	350	UJ	UJ
TSB-FJ-06-02-10	F8F110173001	SW8270	6/18/2008	Phthalic acid	< 1700	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	1700	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Dichloromethane	< 6.4	ug/kg	CCAL %D = 29.90220	≤25	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Ethanol	< 320	ug/kg	ICAL RRF = 0.00148	≥0.05	320	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 420	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	420	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8270	6/19/2008	Phthalic acid	< 2100	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	2100	UJ	UJ
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Dichloromethane	< 5.4	ug/kg	CCAL %D = 29.90220	≤25	5.4	UJ	UJ

**TABLE 2-11**  
**SUMMARY OF DATA QUALIFIED DUE TO CALIBRATION VIOLATIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Violation	Limits	QL	Check Qualifier	Final Qualifier
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Ethanol	< 270	ug/kg	ICAL RRF = 0.00148	≥0.05	270	UJ	UJ
TSB-FJ-06-02-30	F8F110173003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	350	UJ	UJ
TSB-FJ-06-02-30	F8F110173003	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	1700	UJ	UJ
TSB-FJ-06-02-0	F8F050256006	E300	6/17/2008	Chlorate	62.2	mg/kg	Continuing calibration was not performed	calibration must be performed	5.1	J	J
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	Ethanol	< 250	ug/kg	ICAL RRF = 0.00086; CCAL RRF = 0.00079	≥0.05; ≥0.05	250	UJ	UJ
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Hydroxymethyl phthalimide	150	ug/kg	CCAL %D = 46.18722	≤25	330	J-	J-
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Phthalic acid	760	ug/kg	ICAL RRF = 0.02848; CCAL %D = 58.34506; CCAL RRF = 0.01186	≥0.05; ≤25; ≥0.05	1600	J,J-,J	J
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	87	pg/g	CCAL %D = 57.3	≤30		J+	J+
TSB-FJ-06-02-0	F8F050256006	SW8310	6/11/2008	Benzo(a)anthracene	120	ug/kg	CCAL %D = 15.5	≤15	15	J+	J+
TSB-FJ-06-02-0	F8F050256006	SW8310	6/11/2008	Benzo(k)fluoranthene	51	ug/kg	CCAL %D = 15.2; CCAL %D = 16.6	≤15; ≤15	15	J+	J+
TSB-FR-02-02-0	F8F050256001	E300	6/16/2008	Chlorate	310	mg/kg	Continuing calibration was not performed	calibration must be performed	50.9	J	J
TSB-FR-02-02-0	F8F050256001	SW8081	6/13/2008	4,4-DDD	13	ug/kg	CCAL %D = 16.9	≤15	8.7	J+	J+
TSB-FR-02-02-0	F8F050256001	SW8260	6/9/2008	Ethanol	< 250	ug/kg	ICAL RRF = 0.00086; CCAL RRF = 0.00079	≥0.05; ≥0.05	250	UJ	UJ
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	CCAL %D = 46.18722	≤25	340	UJ	UJ
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Phthalic acid	290	ug/kg	ICAL RRF = 0.02848; CCAL %D = 58.34506; CCAL RRF = 0.01186	≥0.05; ≤25; ≥0.05	1600	J,J-,J	J
TSB-FR-02-02-0	F8F050256001	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	72	pg/g	CCAL %D = 57.3	≤30		J+	J
TSB-FR-02-02-0	F8F050256001	SW8310	6/11/2008	Benzo(a)anthracene	120	ug/kg	CCAL %D = 15.5	≤15	15	J+	J+
TSB-FR-02-02-0	F8F050256001	SW8310	6/11/2008	Benzo(k)fluoranthene	110	ug/kg	CCAL %D = 15.2; CCAL %D = 16.6	≤15; ≤15	15	J+	X
TSB-FR-02-02-10	F8F110173004	SW8260	6/12/2008	Dichloromethane	< 5.7	ug/kg	CCAL %D = 29.90220	≤25	5.7	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8260	6/12/2008	Ethanol	< 290	ug/kg	ICAL RRF = 0.00148	≥0.05	290	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 380	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	380	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8270	6/19/2008	Phthalic acid	< 1800	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	1800	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Dichloromethane	< 5.4	ug/kg	CCAL %D = 29.90220	≤25	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Ethanol	< 270	ug/kg	ICAL RRF = 0.00148	≥0.05	270	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	350	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	1700	UJ	UJ

**TABLE 2-11**  
**SUMMARY OF DATA QUALIFIED DUE TO CALIBRATION VIOLATIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Violation	Limits	QL	Check Qualifier	Final Qualifier
TB-2 6/10/08	F8F110177006	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	CCAL %D = 25.04476	≤25.0	5	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Dichloromethane	< 6.6	ug/kg	CCAL %D = 29.90220	≤25.0	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Ethanol	< 330	ug/kg	ICAL RRF = 0.00148	≥0.05	330	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 430	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	430	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8270	6/19/2008	Phthalic acid	< 2100	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	2100	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Dichloromethane	< 6.1	ug/kg	CCAL %D = 29.90220	≤25.0	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Ethanol	< 300	ug/kg	ICAL RRF = 0.00148	≥0.05	300	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 400	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	400	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8270	6/19/2008	Phthalic acid	< 1900	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	1900	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Dichloromethane	< 6.5	ug/kg	CCAL %D = 29.90220	≤25.0	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Ethanol	< 320	ug/kg	ICAL RRF = 0.00148	≥0.05	320	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 430	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	430	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8270	6/19/2008	Phthalic acid	< 2100	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	2100	UJ	UJ
TSB-FR-02-02-20	F8F110177001	SW8260	6/12/2008	Dichloromethane	< 5.6	ug/kg	CCAL %D = 29.90220	≤25.0	5.6	UJ	UJ
TSB-FR-02-02-20	F8F110177001	SW8260	6/12/2008	Ethanol	< 280	ug/kg	ICAL RRF = 0.00148	≥0.05	280	UJ	UJ
TSB-FR-02-02-20	F8F110177001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 370	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	370	UJ	UJ
TSB-FR-02-02-20	F8F110177001	SW8270	6/19/2008	Phthalic acid	< 1800	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	1800	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Dichloromethane	< 7.2	ug/kg	CCAL %D = 29.90220	≤25.0	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Ethanol	< 360	ug/kg	ICAL RRF = 0.00148	≥0.05	360	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 480	ug/kg	ICAL RRF = 0.04408; CCAL RRF = 0.04331	≥0.05; ≥0.05	480	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8270	6/19/2008	Phthalic acid	< 2300	ug/kg	ICAL RRF = 0.01422; CCAL RRF = 0.01330	≥0.05; ≥0.05	2300	UJ	UJ

ID - identification  
U - non-detect result due to blank contamination  
J - estimated value.  
UJ - non-detect estimated quantitation limit  
X - removed value; replaced by a more accurate and precise value.

ug/l - microgram per liter  
mg/kg- milligrams per kilogram  
ug/kg- micrograms per kilogram  
pg/g- picogram per gram  
QL - quantitation limit  
- Result is biased low  
+ Result is biased high

**TABLE 2-12**  
**SUMMARY OF DATA QUALIFIED DUE TO CALIBRATION RANGE EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Check Qualifier	Final Qualifier
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	beta-BHC	51	ug/kg	1.8	J	X
TSB-CJ-09-0	F8F130140004	SW8290	7/3/2008	2,3,7,8-Tetrachlorodibenzofuran	2200	pg/g		J	J
TSB-CJ-09-0	F8F130140004	SW8290	7/3/2008	Octachlorodibenzofuran	49000	pg/g		J	J
TSB-FJ-02-02-0	F8F050256002	SW8081	6/13/2008	4,4-DDE	43	ug/kg	1.7	J	X
TSB-FJ-02-02-0	F8F050256002	SW8081	6/13/2008	beta-BHC	54	ug/kg	1.7	J	X
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Chloroform	300	ug/kg	6.4	J	X
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	beta-BHC	65	ug/kg	1.7	J	X
TSB-FR-02-02-0	F8F050256001	SW8081	6/13/2008	4,4-DDT	220	ug/kg	8.7	J	X

ID - identification

J - estimated value.

X - removed value; replaced by a more accurate and precise value.

ug/kg- micrograms per kilogram

pg/g- picogram per gram

QL - quantitation limit

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(a)pyrene	< 10	ug/l	243167	281395-1125580	10	UJ	X
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(b)fluoranthene	< 10	ug/l	243167	281395-1125580	10	UJ	X
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 10	ug/l	243167	281395-1125580	10	UJ	X
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(k)fluoranthene	< 10	ug/l	243167	281395-1125580	10	UJ	X
RINSATE 1	F8F120137001	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 10	ug/l	243167	281395-1125580	10	UJ	X
RINSATE 1	F8F120137001	SW8270	6/19/2008	Di-n-octyl phthalate	< 10	ug/l	243167	281395-1125580	10	UJ	UJ
RINSATE 1	F8F120137001	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 10	ug/l	243167	281395-1125580	10	UJ	X
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 1	pg/l	33	40-135	1	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 1.2	pg/l	33	40-135	1.2	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 2.9	pg/l	26	40-135	2.9	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 2.7	pg/l	37	40-135	2.7	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 3.5	pg/l	26	40-135	3.5	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 1.6	pg/l	37	40-135	1.6	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 3.4	pg/l	26	40-135	3.4	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 1.2	pg/l	37	40-135	1.2	UJ	UJ
RINSATE-2	F8F130140001	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 2.4	pg/l	26	40-135	2.4	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Silicon	523	mg/kg	129.434	30-120	54.8	J	J
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Strontium	291	mg/kg	129.434	30-120	1.1	J	J
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 7.2	pg/g	14	40-135	7.2	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 5.1	pg/g	16	40-135	5.1	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 9	pg/g	14	40-135	9	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 2.8	pg/g	25	40-135	2.8	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 1.9	pg/g	32	40-135	1.9	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 2	pg/g	25	40-135	2	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 1.5	pg/g	32	40-135	1.5	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 1.6	pg/g	25	40-135	1.6	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 1.6	pg/g	32	40-135	1.6	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 1.7	pg/g	25	40-135	1.7	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	Octachlorodibenzodioxin	< 3.9	pg/g	13	40-135	3.9	UJ	UJ
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	Octachlorodibenzofuran	6.9	pg/g	13	40-135	2.5	J	J
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(a)pyrene	< 340	ug/kg	265070	270174-1080696	340	UJ	X
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(b)fluoranthene	< 340	ug/kg	265070	270174-1080696	340	UJ	X
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(g,h,i)perylene	< 340	ug/kg	265070	270174-1080696	340	UJ	X
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(k)fluoranthene	< 340	ug/kg	265070	270174-1080696	340	UJ	X

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

**JUNE-JULY 2008**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Dibenzo(a,h)anthracene	< 340	ug/kg	265070	270174-1080696	340	UJ	X
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Di-n-octyl phthalate	< 340	ug/kg	265070	270174-1080696	340	UJ	UJ
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Indeno(1,2,3-cd)pyrene	< 340	ug/kg	265070	270174-1080696	340	UJ	X
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	24	pg/g	25	40-135		J	J
TSB-GJ-08-20	F8F120167002	SW6020	6/27/2008	Silicon	323	mg/kg	127.557	30-120	59.7	J	J
TSB-GJ-08-20	F8F120167002	SW6020	6/27/2008	Strontium	106	mg/kg	127.557	30-120	1.2	J	J
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 0.17	pg/g	39	40-135	0.17	UJ	UJ
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 0.16	pg/g	39	40-135	0.16	UJ	UJ
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	Octachlorodibenzodioxin	< 2.5	pg/g	37	%R (40-135)	2.5	UJ	UJ
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.21	pg/g	37	%R (40-135)	0.21	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW6020	6/27/2008	Silicon	913	mg/kg	129.653	30-120	90	J	J
TSB-GJ-08-30	F8F120167003	SW6020	6/27/2008	Strontium	103	mg/kg	129.653	30-120	1.8	J	J
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	1,2,4,5-Tetrachlorobenzene	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	1,2-Diphenylhydrazine	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	1,4-Dioxane	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4,5-Trichlorophenol	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4,6-Trichlorophenol	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dichlorophenol	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dimethylphenol	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dinitrophenol	< 2900	ug/kg	101990	159543-638172	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dinitrotoluene	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,6-Dinitrotoluene	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Chloronaphthalene	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Chlorophenol	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Methylnaphthalene	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Nitroaniline	< 2900	ug/kg	101990	159543-638172	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Nitrophenol	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	3,3'-Dichlorobenzidine	< 2900	ug/kg	72798	268054-1072214	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	3-Methylphenol & 4-Methylphenol	< 1200	ug/kg	53781	82431-329724	1200	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	3-Nitroaniline	< 2900	ug/kg	101990	159543-638172	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Bromophenyl phenyl ether	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Chloro-3-Methylphenol	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Chlorophenyl phenyl ether	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Chlorothioanisole	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Nitrophenol	< 2900	ug/kg	101990	159543-638172	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Acenaphthene	< 590	ug/kg	101990	159543-638172	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Acenaphthylene	< 590	ug/kg	101990	159543-638172	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Acetophenone	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Aniline	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Anthracene	< 590	ug/kg	150470	271508-1086030	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Azobenzene	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzenethiol	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(a)anthracene	< 590	ug/kg	72798	268054-1072214	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(a)pyrene	< 590	ug/kg	25394	281395-1125580	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(b)fluoranthene	< 590	ug/kg	25394	281395-1125580	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 590	ug/kg	25394	281395-1125580	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(k)fluoranthene	< 590	ug/kg	25394	281395-1125580	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzoic acid	< 2900	ug/kg	201776	303781-1215124	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzyl alcohol	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzyl butyl phthalate	< 590	ug/kg	72798	268054-1072214	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Chloroethoxy) methane	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Chloroethyl) ether	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Chloroisopropyl) ether	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Ethylhexyl) phthalate	< 590	ug/kg	72798	268054-1072214	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(p-Chlorophenyl) disulfide	< 590	ug/kg	72798	268054-1072214	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(p-Chlorophenyl) sulfone	< 590	ug/kg	72798	268054-1072214	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Carbazole	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Chrysene	< 590	ug/kg	72798	268054-1072214	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 590	ug/kg	25394	281395-1125580	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dibenzofuran	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dibutyl phthalate	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Diethyl phthalate	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dimethyl phthalate	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Di-n-octyl phthalate	< 590	ug/kg	25394	281395-1125580	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Diphenyl sulfone	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Fluoranthene	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Fluorene	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachloro-1,3-butadiene	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachlorobenzene	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachlorocyclopentadiene	< 2900	ug/kg	101990	159543-638172	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachloroethane	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 590	ug/kg	25394	281395-1125580	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Isophorone	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Naphthalene	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Nitrobenzene	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	N-nitrosodi-n-propylamine	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	N-nitrosodiphenylamine	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	o-Cresol	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Octachlorostyrene	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	p-Chloroaniline	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	p-Chlorothiophenol	< 590	ug/kg	201776	303781-1215124	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pentachlorobenzene	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pentachlorophenol	< 2900	ug/kg	150470	271508-1086030	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenanthrene	< 590	ug/kg	150470	271508-1086030	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenol	< 590	ug/kg	53781	82431-329724	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenyl Disulfide	< 590	ug/kg	150470	271508-1086030	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenyl Sulfide	< 590	ug/kg	101990	159543-638172	590	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phthalic acid	< 2900	ug/kg	201776	303781-1215124	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	p-Nitroaniline	< 2900	ug/kg	101990	159543-638172	2900	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pyrene	< 590	ug/kg	72798	268054-1072214	590	UJ	X
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pyridine	< 1200	ug/kg	53781	82431-329724	1200	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8290	6/28/2008	Octachlorodibenzodioxin	< 1.7	pg/g	29	%R (40-135)	1.7	UJ	UJ
TSB-GJ-08-30	F8F120167003	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.2	pg/g	29	%R (40-135)	0.2	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(a)pyrene	< 530	ug/kg	197078	281395-1125580	530	UJ	X
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(b)fluoranthene	< 530	ug/kg	197078	281395-1125580	530	UJ	X
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 530	ug/kg	197078	281395-1125580	530	UJ	X
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(k)fluoranthene	< 530	ug/kg	197078	281395-1125580	530	UJ	X
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 530	ug/kg	197078	281395-1125580	530	UJ	X
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Di-n-octyl phthalate	< 530	ug/kg	197078	281395-1125580	530	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 530	ug/kg	197078	281395-1125580	530	UJ	X
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 0.21	pg/g	33	40-135	0.21	UJ	UJ



**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 0.24	pg/g	33	40-135	0.24	UJ	UJ
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	Octachlorodibenzodioxin	12	pg/g	26	%R (40-135)		J	J
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.89	pg/g	26	%R (40-135)	0.89	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(a)pyrene	< 340	ug/kg	106970	270174-1080696	340	UJ	X
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(b)fluoranthene	< 340	ug/kg	106970	270174-1080696	340	UJ	X
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(g,h,i)perylene	< 340	ug/kg	106970	270174-1080696	340	UJ	X
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(k)fluoranthene	< 340	ug/kg	106970	270174-1080696	340	UJ	X
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Dibenzo(a,h)anthracene	< 340	ug/kg	106970	270174-1080696	340	UJ	X
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Di-n-octyl phthalate	< 340	ug/kg	106970	270174-1080696	340	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Indeno(1,2,3-cd)pyrene	< 340	ug/kg	106970	270174-1080696	340	UJ	X
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	7.7	pg/g	25	40-135		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 4.2	pg/g	26	40-135	4.2	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	5	pg/g	35	40-135		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 0.3	pg/g	35	40-135	0.3	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	2.7	pg/g	35	40-135		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 1.5	pg/g	35	40-135	1.5	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 0.23	pg/g	35	40-135	0.23	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 1.7	pg/g	35	40-135	1.7	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzofuran	2.9	pg/g	36	40-135		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	< 0.36	pg/g	33	40-135	0.36	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 1	pg/g	35	40-135	1	UJ	UJ
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	2.5	pg/g	36	40-135		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	Octachlorodibenzodioxin	31	pg/g	16	40-135		J	J
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	Octachlorodibenzofuran	19	pg/g	16	40-135		J	J
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(a)pyrene	< 350	ug/kg	198321	281395-1125580	350	UJ	X
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(b)fluoranthene	< 350	ug/kg	198321	281395-1125580	350	UJ	X
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 350	ug/kg	198321	281395-1125580	350	UJ	X
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(k)fluoranthene	< 350	ug/kg	198321	281395-1125580	350	UJ	X
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 350	ug/kg	198321	281395-1125580	350	UJ	X
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Di-n-octyl phthalate	< 350	ug/kg	198321	281395-1125580	350	UJ	UJ
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 350	ug/kg	198321	281395-1125580	350	UJ	X
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(a)pyrene	< 410	ug/kg	191974	281395-1125580	410	UJ	X
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(b)fluoranthene	< 410	ug/kg	191974	281395-1125580	410	UJ	X
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 410	ug/kg	191974	281395-1125580	410	UJ	X

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(k)fluoranthene	< 410	ug/kg	191974	281395-1125580	410	UJ	X
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 410	ug/kg	191974	281395-1125580	410	UJ	X
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Di-n-octyl phthalate	< 410	ug/kg	191974	281395-1125580	410	UJ	UJ
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 410	ug/kg	191974	281395-1125580	410	UJ	X
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(a)pyrene	< 470	ug/kg	206248	281395-1125580	470	UJ	X
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(b)fluoranthene	< 470	ug/kg	206248	281395-1125580	470	UJ	X
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 470	ug/kg	206248	281395-1125580	470	UJ	X
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(k)fluoranthene	< 470	ug/kg	206248	281395-1125580	470	UJ	X
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 470	ug/kg	206248	281395-1125580	470	UJ	X
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Di-n-octyl phthalate	< 470	ug/kg	206248	281395-1125580	470	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 470	ug/kg	206248	281395-1125580	470	UJ	X
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 0.66	pg/g	11	%R (40-135)	0.66	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 0.78	pg/g	16	%R (40-135)	0.78	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 0.8	pg/g	11	%R (40-135)	0.8	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 0.17	pg/g	18	%R (40-135)	0.17	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 0.27	pg/g	21	%R (40-135)	0.27	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 0.15	pg/g	18	%R (40-135)	0.15	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 0.21	pg/g	21	%R (40-135)	0.21	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 0.19	pg/g	18	%R (40-135)	0.19	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 0.22	pg/g	21	%R (40-135)	0.22	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzofuran	< 0.14	pg/g	26	%R (40-135)	0.14	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	< 0.4	pg/g	27	%R (40-135)	0.4	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 0.18	pg/g	18	%R (40-135)	0.18	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	< 0.15	pg/g	26	%R (40-135)	0.15	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	< 0.054	pg/g	38	%R (40-135)	0.054	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	Octachlorodibenzodioxin	< 5.5	pg/g	9.7	%R (40-135)	5.5	UJ	UJ
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.62	pg/g	9.7	%R (40-135)	0.62	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(a)pyrene	< 520	ug/kg	212988	281395-1125580	520	UJ	X
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(b)fluoranthene	< 520	ug/kg	212988	281395-1125580	520	UJ	X
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 520	ug/kg	212988	281395-1125580	520	UJ	X
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(k)fluoranthene	< 520	ug/kg	212988	281395-1125580	520	UJ	X
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 520	ug/kg	212988	281395-1125580	520	UJ	X
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Di-n-octyl phthalate	< 520	ug/kg	212988	281395-1125580	520	UJ	UJ
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 520	ug/kg	212988	281395-1125580	520	UJ	X

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**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	360	pg/g	8.6	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxi	42	pg/g	9.4	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	210	pg/g	8.6	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	210	pg/g	15	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	5.2	pg/g	16	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	110	pg/g	15	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	17	pg/g	16	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	24	pg/g	15	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	15	pg/g	16	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzofuran	110	pg/g	20	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	17	pg/g	20	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	36	pg/g	15	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	71	pg/g	20	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	190	pg/g	30	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzo-p-dioxin	6.8	pg/g	23	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	Octachlorodibenzodioxin	43	pg/g	4.6	40-135		J	J
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	Octachlorodibenzofuran	980	pg/g	4.6	40-135		J	J
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 13	ug/kg	181868	187131-748522	13	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1-Nonanal	< 13	ug/kg	181868	187131-748522	13	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	2-Chlorotoluene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	2-Phenylbutane	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	4-Chlorotoluene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Bromobenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Cymene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

JUNE-JULY 2008

**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Isopropylbenzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	n-Butyl benzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	n-Propyl benzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	tert-Butyl benzene	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Tribromomethane	< 6.4	ug/kg	181868	187131-748522	6.4	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 1.6	pg/g	22	40-135	1.6	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxi	< 2	pg/g	27	40-135	2	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 2.1	pg/g	22	40-135	2.1	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	Octachlorodibenzodioxin	< 4.8	pg/g	15	40-135	4.8	UJ	UJ
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	Octachlorodibenzofuran	< 6.1	pg/g	15	40-135	6.1	UJ	UJ
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	Octachlorodibenzodioxin	34	pg/g	36	40-135		J	J
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	Octachlorodibenzofuran	410	pg/g	36	40-135		J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(a)pyrene	170	ug/kg	83220	270174-1080696	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(b)fluoranthene	1000	ug/kg	83220	270174-1080696	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(g,h,i)perylene	380	ug/kg	83220	270174-1080696	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(k)fluoranthene	790	ug/kg	83220	270174-1080696	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Dibenzo(a,h)anthracene	< 340	ug/kg	83220	270174-1080696	340	UJ	X
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Di-n-octyl phthalate	< 340	ug/kg	83220	270174-1080696	340	UJ	UJ
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Indeno(1,2,3-cd)pyrene	410	ug/kg	83220	270174-1080696	340	J	J
TSB-FR-02-02-0	F8F050256001	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	72	pg/g	147.4	40-135		J	J
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 2.1	pg/g	18	40-135	2.1	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxi	< 1.2	pg/g	20	40-135	1.2	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 2.5	pg/g	18	40-135	2.5	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 0.82	pg/g	28	40-135	0.82	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 0.92	pg/g	30	40-135	0.92	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 0.79	pg/g	28	40-135	0.79	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 0.81	pg/g	30	40-135	0.81	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 0.9	pg/g	28	40-135	0.9	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 0.78	pg/g	30	40-135	0.78	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 0.82	pg/g	28	40-135	0.82	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	Octachlorodibenzodioxin	< 4.3	pg/g	13	40-135	4.3	UJ	UJ
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	Octachlorodibenzofuran	< 3.1	pg/g	13	40-135	3.1	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,3-Trichloropropane	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 11	ug/kg	168365	187131-748522	11	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2-Dichlorobenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,3-Dichlorobenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,4-Dichlorobenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1-Nonanal	< 11	ug/kg	168365	187131-748522	11	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	2-Chlorotoluene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	2-Phenylbutane	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	4-Chlorotoluene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Bromobenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Cymene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Isopropylbenzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	n-Butyl benzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	n-Propyl benzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	tert-Butyl benzene	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Tribromomethane	< 5.4	ug/kg	168365	187131-748522	5.4	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Strontium	266	mg/kg	132.5	30-120	1.3	J	J
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 13	ug/kg	180609	187131-748522	13	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1-Nonanal	< 13	ug/kg	180609	187131-748522	13	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	2-Chlorotoluene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

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**BMI INDUSTRIAL COMPLEX**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	2-Phenylbutane	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	4-Chlorotoluene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Bromobenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Cymene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Isopropylbenzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	n-Butyl benzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	n-Propyl benzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	tert-Butyl benzene	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Tribromomethane	< 6.6	ug/kg	180609	187131-748522	6.6	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 12	ug/kg	171259	187131-748522	12	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1-Nonanal	< 12	ug/kg	171259	187131-748522	12	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	2-Chlorotoluene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	2-Phenylbutane	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	4-Chlorotoluene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Bromobenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Cymene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Isopropylbenzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	n-Butyl benzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	n-Propyl benzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	tert-Butyl benzene	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Tribromomethane	< 6.1	ug/kg	171259	187131-748522	6.1	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 13	ug/kg	168365	187131-748522	13	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1-Nonanal	< 13	ug/kg	168365	187131-748522	13	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	2-Chlorotoluene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	2-Phenylbutane	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	4-Chlorotoluene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Bromobenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Cymene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Isopropylbenzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	n-Butyl benzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	n-Propyl benzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	tert-Butyl benzene	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Tribromomethane	< 6.5	ug/kg	168365	187131-748522	6.5	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,3-Trichloropropane	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 14	ug/kg	172980	187131-748522	14	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2-Dichlorobenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,3-Dichlorobenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,4-Dichlorobenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1-Nonanal	< 14	ug/kg	172980	187131-748522	14	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	2-Chlorotoluene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	2-Phenylbutane	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	4-Chlorotoluene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ

**TABLE 2-13**  
**SUMMARY OF DATA QUALIFIED DUE TO INTERNAL STANDARD RECOVERY EXCEEDANCES**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	Area or %R	Area Limit or %R Limit	QL	Check Qualifier	Final Qualifier
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Bromobenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Cymene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Isopropylbenzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	n-Butyl benzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	n-Propyl benzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	tert-Butyl benzene	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Tribromomethane	< 7.2	ug/kg	172980	187131-748522	7.2	UJ	UJ

ID - identification

J - estimated value.

UJ - non-detect estimated quantitation limit

X - removed value; replaced by a more accurate and precise value.

% R - percent recovery

pg/l - picogram per liter

ug/l - microgram per liter

mg/kg- milligrams per kilogram

ug/kg- micrograms per kilogram

pg/g- picogram per gram

QL - quantitation limit



**TABLE 2-14**  
**SUMMARY OF DATA QUALIFIED DUE TO SERIAL DILUTIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% D	Limit	QL	Check Qualifier	Final Qualifier
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Iron	8790	mg/kg	10.4	%D≤10	10.4	J	J
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Iron	13000	mg/kg	10.4	%D≤10	11	J	J
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Iron	11700	mg/kg	14.3	%D≤10	10.2	J	J
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Strontium	158	mg/kg	11.4	%D≤10	1	J	J
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Iron	11700	mg/kg	%D=10.4	%D≤10	13.4	J	J
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Iron	11200	mg/kg	%D=10.4	%D≤10	11.9	J	J
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Iron	10200	mg/kg	%D=10.4	%D≤10	18	J	J
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Iron	15100	mg/kg	%D=10.4	%D≤10	16.1	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Iron	10800	mg/kg	14.3	%D≤10	10.3	J	J
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Strontium	287	mg/kg	11.4	%D≤10	1	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Iron	12200	mg/kg	14.3	%D≤10	10.3	J	J
TSB-GJ-09-0-FD	F8F050256004	SW6020	6/12/2008	Strontium	267	mg/kg	11.4	%D≤10	1	J	J
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Iron	12500	mg/kg	%D =10.4	%D≤10	10.6	J	J
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Iron	13200	mg/kg	%D =10.4	%D≤10	31.4	J	J
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Iron	13100	mg/kg	%D =10.4	%D≤10	14.3	J	J
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Iron	15400	mg/kg	%D =10.4	%D≤10	15.7	J	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Iron	11000	mg/kg	14.3	%D≤10	10.2	J	J
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Strontium	154	mg/kg	11.4	%D≤10	1	J	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/27/2008	Calcium	29800	mg/kg	13.8	%D≤10	106	J	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Phosphorus (as P)	1080	mg/kg	15.6	%D≤10	106	J	J
TSB-FJ-06-02-10	F8F110173001	SW6020	6/27/2008	Titanium	656	mg/kg	19.2	%D≤10	1.1	J	J
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Calcium	10900	mg/kg	13.8	%D≤10	160	J	J
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Phosphorus (as P)	566	mg/kg	15.6	%D≤10	160	J	J
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Titanium	743	mg/kg	19.2	%D≤10	1.6	J	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/27/2008	Calcium	112000	mg/kg	13.8	%D≤10	537	J	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Phosphorus (as P)	649	mg/kg	15.6	%D≤10	134	J	J
TSB-FJ-06-02-30	F8F110173003	SW6020	6/27/2008	Titanium	483	mg/kg	19.2	%D≤10	5.4	J	J
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Iron	12700	mg/kg	14.3	%D≤10	10.1	J	J
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Strontium	168	mg/kg	11.4	%D≤10	1	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Iron	11400	mg/kg	14.3	%D≤10	10.2	J	J
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Strontium	166	mg/kg	11.4	%D≤10	1	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/27/2008	Calcium	60100	mg/kg	13.8	%D≤10	285	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Phosphorus (as P)	1200	mg/kg	15.6	%D≤10	114	J	J
TSB-FR-02-02-10	F8F110173004	SW6020	6/27/2008	Titanium	556	mg/kg	19.2	%D≤10	2.9	J	J

**TABLE 2-14**  
**SUMMARY OF DATA QUALIFIED DUE TO SERIAL DILUTIONS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% D	Limit	QL	Check Qualifier	Final Qualifier
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/27/2008	Calcium	22200	mg/kg	13.8	%D≤10	107	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Phosphorus (as P)	1160	mg/kg	15.6	%D≤10	107	J	J
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/27/2008	Titanium	530	mg/kg	19.2	%D≤10	1.1	J	J
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Calcium	32900	mg/kg	13.8	%D≤10	132	J	J
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Phosphorus (as P)	1190	mg/kg	15.6	%D≤10	132	J	J
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Titanium	893	mg/kg	19.2	%D≤10	1.3	J	J
TSB-FJ-02-02-20	F8F110177004	SW6020	6/27/2008	Calcium	144000	mg/kg	13.8	%D≤10	608	J	J
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Phosphorus (as P)	382	mg/kg	15.6	%D≤10	122	J	J
TSB-FJ-02-02-20	F8F110177004	SW6020	6/27/2008	Titanium	261	mg/kg	19.2	%D≤10	6.1	J	J
TSB-FJ-02-02-30	F8F110177005	SW6020	6/27/2008	Calcium	143000	mg/kg	13.8	%D≤10	649	J	J
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Phosphorus (as P)	703	mg/kg	15.6	%D≤10	130	J	J
TSB-FJ-02-02-30	F8F110177005	SW6020	6/27/2008	Titanium	492	mg/kg	19.2	%D≤10	6.5	J	J
TSB-FR-02-02-20	F8F110177001	SW6020	6/27/2008	Calcium	53300	mg/kg	13.8	%D≤10	278	J	J
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Phosphorus (as P)	317	mg/kg	15.6	%D≤10	111	J	J
TSB-FR-02-02-20	F8F110177001	SW6020	6/27/2008	Titanium	545	mg/kg	19.2	%D≤10	2.8	J	J
TSB-FR-02-02-30	F8F110177002	SW6020	6/27/2008	Calcium	23400	mg/kg	13.8	%D≤10	361	J	J
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Phosphorus (as P)	812	mg/kg	15.6	%D≤10	361	J	J
TSB-FR-02-02-30	F8F110177002	SW6020	6/27/2008	Titanium	866	mg/kg	19.2	%D≤10	3.6	J	J

ID - identification

J - estimated value.

% D- percent difference

mg/kg- milligrams per kilogram

QL - quantitation limit

**TABLE 2-15**  
**SUMMARY OF DATA QUALIFIED DUE TO DIFFERENCES BETWEEN COLUMNS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**

**JUNE-JULY 2008**

**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**

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Field Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	% D	Limit	QL	Check Qualifier	Final Qualifier
TSB-CJ-09-10	F8F130140008	SW8081	6/20/2008	gamma-Chlordane	5.3	ug/kg	218.5	≤40	1.9	J	J
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	4,4-DDT	16	ug/kg	218.5	≤40	1.7	J	J
TSB-FR-02-02-0	F8F050256001	SW8081	6/13/2008	2,4-DDE	19	ug/kg	81.7	≤40	8.7	J	J

ID - identification

J - estimated value.

% D- percent difference

ug/kg- micrograms per kilogram

QL - quantitation limit

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
RINSATE 1	F8F120137001	E300	6/12/2008	Sulfate	0.12	mg/l	0.5	J	2
Rinsate 1	IRF1163-01	EPA 7196A	6/13/2008	Chromium (VI)	< 0.025	mg/l	0.025	R	1
RINSATE 1	F8F050256019	SW6020	6/21/2008	Calcium	48.8	ug/l	100	J	2
RINSATE 1	F8F050256019	SW6020	6/13/2008	Chromium (Total)	8.3	ug/l	10	J	2
RINSATE 1	F8F050256019	SW6020	6/13/2008	Iron	22.2	ug/l	50	J	2
RINSATE 1	F8F050256019	SW6020	6/13/2008	Magnesium	4.5	ug/l	50	J	2
RINSATE 1	F8F120137001	SW6020	6/25/2008	Magnesium	17.9	ug/l	50	J	2
RINSATE 1	F8F120137001	SW6020	6/25/2008	Manganese	0.84	ug/l	2	J	2
RINSATE 1	F8F120137001	SW6020	6/25/2008	Palladium	< 0.5	ug/l	0.5	UJ	5
RINSATE 1	F8F050256019	SW6020	6/22/2008	Silicon	<250	ug/l	250	U	3
RINSATE 1	F8F120137001	SW6020	6/25/2008	Silicon	38.6	ug/l	250	J	2
RINSATE 1	F8F050256019	SW6020	6/13/2008	Sodium	11.4	ug/l	50	J	2
RINSATE 1	F8F120137001	SW6020	6/25/2008	Sodium	39.2	ug/l	50	J	2
RINSATE 1	F8F050256019	SW6020	6/13/2008	Strontium	0.31	ug/l	5	J	2
RINSATE 1	F8F120137001	SW6020	6/25/2008	Strontium	1.5	ug/l	5	J	2
RINSATE 1	F8F050256019	SW6020	6/13/2008	Zinc	5.6	ug/l	10	J	2
RINSATE 1	F8F120137001	SW8260	6/20/2008	Dichloromethane	3.3	ug/l	1	J+	8
RINSATE 1	F8F120137001	SW8260	6/20/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(a)pyrene	< 10	ug/l	10	X	14
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(b)fluoranthene	< 10	ug/l	10	X	14
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 10	ug/l	10	X	14
RINSATE 1	F8F120137001	SW8270	6/19/2008	Benzo(k)fluoranthene	< 10	ug/l	10	X	14
RINSATE 1	F8F120137001	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 10	ug/l	10	X	14
RINSATE 1	F8F120137001	SW8270	6/19/2008	Di-n-octyl phthalate	< 10	ug/l	10	UJ	14
RINSATE 1	F8F120137001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 10	ug/l	10	UJ	12
RINSATE 1	F8F050256019	SW8270	6/13/2008	Hydroxymethyl phthalimide	< 10	ug/l	10	UJ	12
RINSATE 1	F8F120137001	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 10	ug/l	10	X	14
RINSATE 1	F8F120137001	SW8270	6/19/2008	Phthalic acid	< 1000	ug/l	1000	UJ	12
RINSATE 1	F8F050256019	SW8270	6/13/2008	Phthalic acid	< 1000	ug/l	1000	UJ	12
RINSATE 1	F8F120137001	SW8310	6/19/2008	Acenaphthene	< 5	ug/l	5	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Acenaphthylene	< 5	ug/l	5	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Anthracene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(a)anthracene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(a)pyrene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(b)fluoranthene	< 1	ug/l	1	UJ	8

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(g,h,i)perylene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Benzo(k)fluoranthene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Chrysene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Dibenzo(a,h)anthracene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Indeno(1,2,3-cd)pyrene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Phenanthrene	< 1	ug/l	1	UJ	8
RINSATE 1	F8F120137001	SW8310	6/19/2008	Pyrene	< 1	ug/l	1	UJ	8
RINSATE-1	F8F130140003	SW6020	6/25/2008	Magnesium	3.8	ug/l	50	J	2
RINSATE-1	F8F130140003	SW6020	6/25/2008	Sodium	12.8	ug/l	50	J	2
RINSATE-2	F8F130140001	E300	6/13/2008	Sulfate	0.11	mg/l	0.5	J	2
Rinsate-2	IRF1295-01	EPA 7196A	6/17/2008	Chromium (VI)	< 0.025	mg/l	0.025	R	1
RINSATE-2	F8F130140001	SW6020	6/25/2008	Calcium	48.2	ug/l	100	J	2
RINSATE-2	F8F130140001	SW6020	6/25/2008	Magnesium	6.1	ug/l	50	J	2
RINSATE-2	F8F130140001	SW6020	6/25/2008	Sodium	11	ug/l	50	J	2
RINSATE-2	F8F130140001	SW6020	6/25/2008	Strontium	0.8	ug/l	5	J	2
RINSATE-2	F8F130140001	SW6020	6/25/2008	Thallium	1.5	ug/l	2	J+	2,12
RINSATE-2	F8F130140001	SW8260	6/19/2008	Chloromethane	0.25	ug/l	2	J	2
RINSATE-2	F8F130140001	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
RINSATE-2	F8F130140001	SW8260	6/19/2008	Toluene	0.22	ug/l	1	J	2
RINSATE-2	F8F130140001	SW8270	6/20/2008	Hydroxymethyl phthalimide	< 10	ug/l	10	UJ	12
RINSATE-2	F8F130140001	SW8270	6/20/2008	Phthalic acid	< 1000	ug/l	1000	UJ	12
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 1	pg/l	1	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 1.2	pg/l	1.2	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 2.9	pg/l	2.9	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 2.7	pg/l	2.7	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 3.5	pg/l	3.5	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 1.6	pg/l	1.6	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 3.4	pg/l	3.4	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 1.2	pg/l	1.2	UJ	14
RINSATE-2	F8F130140001	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 2.4	pg/l	2.4	UJ	14
TB-1	F8F050256017	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	10	UJ	12
TB-1	F8F050256017	SW8260	6/10/2008	Chloroform	0.09	ug/l	1	J	2
TB-1	F8F050256017	SW8260	6/10/2008	Dichloromethane	0.21	ug/l	1	J	2
TB-1	F8F050256017	SW8260	6/10/2008	Ethanol	< 250	ug/l	250	UJ	12
TB-1	F8F050256017	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	5	UJ	12

**TABLE 3-1**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TB-1 6/10/08	F8F110173006	SW8260	6/19/2008	Chloroform	0.084	ug/l	1	J	2
TB-1 6/10/08	F8F110173006	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-1 6/11/08	F8F120167005	SW8260	6/19/2008	Acetone	1.1	ug/l	2	J	2
TB-1 6/11/08	F8F120167005	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-1 6/12/08	F8F130140009	SW8260	6/19/2008	Chloroform	0.11	ug/l	1	J	2
TB-1 6/12/08	F8F130140009	SW8260	6/19/2008	Dichloromethane	0.41	ug/l	1	J	2
TB-1 6/12/08	F8F130140009	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-2	F8F050256014	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	10	UJ	12
TB-2	F8F130140002	SW8260	6/19/2008	Chloroform	0.14	ug/l	1	J	2
TB-2	F8F050256014	SW8260	6/10/2008	Chloroform	0.12	ug/l	1	J	2
TB-2	F8F050256014	SW8260	6/10/2008	Dichloromethane	0.23	ug/l	1	J	2
TB-2	F8F050256014	SW8260	6/10/2008	Ethanol	< 250	ug/l	250	UJ	12
TB-2	F8F050256014	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	5	UJ	12
TB-2	F8F130140002	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-2 6/10/08	F8F110177006	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-2 6/11/08	F8F120180005	SW8260	6/19/2008	Dichloromethane	0.47	ug/l	1	J	2
TB-2 6/11/08	F8F120180005	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-2 6/12/08	F8F130140010	SW8260	6/19/2008	Acetone	1.7	ug/l	2	J	2
TB-2 6/12/08	F8F130140010	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-3	F8F050256016	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	10	UJ	12
TB-3	F8F050256016	SW8260	6/10/2008	Chloroform	0.1	ug/l	1	J	2
TB-3	F8F120137002	SW8260	6/19/2008	Chloroform	0.12	ug/l	1	J	2
TB-3	F8F050256016	SW8260	6/10/2008	Dichloromethane	0.26	ug/l	1	J	2
TB-3	F8F050256016	SW8260	6/10/2008	Ethanol	< 250	ug/l	250	UJ	12
TB-3	F8F050256016	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	5	UJ	12
TB-3	F8F120137002	SW8260	6/19/2008	Methyl n-butyl ketone	< 5	ug/l	5	UJ	12
TB-4	F8F050256015	SW8260	6/10/2008	Acetone	0.85	ug/l	2	J	2
TB-4	F8F050256015	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	10	UJ	12
TB-4	F8F050256015	SW8260	6/10/2008	Chloroform	0.11	ug/l	1	J	2
TB-4	F8F050256015	SW8260	6/10/2008	Dichloromethane	0.29	ug/l	1	J	2
TB-4	F8F050256015	SW8260	6/10/2008	Ethanol	< 250	ug/l	250	UJ	12
TB-4	F8F050256015	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	5	UJ	12
TB-5	F8F050256018	SW8260	6/10/2008	Acetonitrile	< 10	ug/l	10	UJ	12
TB-5	F8F050256018	SW8260	6/10/2008	Chloroform	0.096	ug/l	1	J	2
TB-5	F8F050256018	SW8260	6/10/2008	Dichloromethane	0.33	ug/l	1	J	2

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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TB-5	F8F050256018	SW8260	6/10/2008	Ethanol	< 250	ug/l	250	UJ	12
TB-5	F8F050256018	SW8260	6/10/2008	Methyl ethyl ketone	< 5	ug/l	5	UJ	12
TSB-CJ-09-0	210334001	HASL-300	6/21/2008	Thorium-228	2.86	pCi/g	1	J	19
TSB-CJ-09-0	210334001	HASL-300	6/21/2008	Thorium-230	1.87	pCi/g	1	J	19
TSB-CJ-09-0	F8F130140004	SW6010	6/17/2008	Sulfur	1410	mg/kg	2610	J	2
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Antimony	< 1	mg/kg	1	UJ	4
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Cadmium	0.091	mg/kg	0.1	J	2
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Iron	8790	mg/kg	10.4	J	15
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Magnesium	7620	mg/kg	104	J	4
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Molybdenum	0.54	mg/kg	1	J	2
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Niobium	< 5.2	mg/kg	5.2	UJ	4
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Potassium	2710	mg/kg	20.9	J+	4
TSB-CJ-09-0	F8F130140004	SW6020	6/27/2008	Silicon	402	mg/kg	52.2	J+	4
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Silver	0.11	mg/kg	0.42	J	2
TSB-CJ-09-0	F8F130140004	SW6020	6/27/2008	Strontium	199	mg/kg	1	J-	4
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Tin	0.41	mg/kg	0.42	J	2
TSB-CJ-09-0	F8F130140004	SW6020	6/27/2008	Titanium	378	mg/kg	1	J+	4
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Tungsten	<1	mg/kg	1	U	3
TSB-CJ-09-0	F8F130140004	SW6020	6/26/2008	Zinc	25.5	mg/kg	4.2	J+	4
TSB-CJ-09-0	F8F130140004	SW7471	6/17/2008	Mercury	< 34.8	ug/kg	34.8	UJ	4
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	2,4-DDE	9.7	ug/kg	1.8	J+	8
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	4,4-DDE	16	ug/kg	1.8	J+	8
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	4,4-DDT	6.6	ug/kg	1.8	J+	8
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	beta-BHC	51	ug/kg	1.8	X	8,11
TSB-CJ-09-0	F8F130140004	SW8081	6/19/2008	gamma-Chlordane	2.4	ug/kg	1.8	J+	8
TSB-CJ-09-0	F8F130140004	SW8260	6/16/2008	Ethanol	< 260	ug/kg	260	UJ	12
TSB-CJ-09-0	F8F130140004	SW8260	6/16/2008	Methyl ethyl ketone	3.6	ug/kg	21	J	2
TSB-CJ-09-0	F8F130140004	SW8260	6/16/2008	Toluene	<5.2	ug/kg	5.2	U	13
TSB-CJ-09-0	F8F130140004	SW8270	6/20/2008	Hydroxymethyl phthalimide	< 340	ug/kg	340	UJ	12
TSB-CJ-09-0	F8F130140004	SW8270	6/20/2008	Phthalic acid	400	ug/kg	1700	J	2,12
TSB-CJ-09-0	F8F130140004	SW8290	7/3/2008	2,3,7,8-Tetrachlorodibenzofuran	2200	pg/g		J	11,12
TSB-CJ-09-0	F8F130140004	SW8290	7/3/2008	Octachlorodibenzofuran	49000	pg/g		J	11
TSB-CJ-09-0	F8F130140004	SW9071B	6/21/2008	Oil & Grease (HEM)	< 209	mg/kg	209	UJ	4
TSB-CJ-09-10	210334002	HASL-300	6/21/2008	Thorium-228	4.94	pCi/g	1	J	19
TSB-CJ-09-10	210334002	HASL-300	6/21/2008	Thorium-230	3.38	pCi/g	1	J	19

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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	1.1	UJ	4
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Boron	7.9	mg/kg	21.9	J	2
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Cadmium	0.083	mg/kg	0.11	J	2
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Iron	13000	mg/kg	11	J	15
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Magnesium	9800	mg/kg	110	J	4
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Molybdenum	0.45	mg/kg	1.1	J	2
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Niobium	< 5.5	mg/kg	5.5	UJ	4
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Potassium	1770	mg/kg	21.9	J+	4
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Silicon	523	mg/kg	54.8	J	4,14
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Silver	0.15	mg/kg	0.44	J	2
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Strontium	291	mg/kg	1.1	J	4,14
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Thallium	<0.44	mg/kg	0.44	U	3,13
TSB-CJ-09-10	F8F130140008	SW6020	6/27/2008	Titanium	593	mg/kg	1.1	J+	4
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Tungsten	<1.1	mg/kg	1.1	U	3
TSB-CJ-09-10	F8F130140008	SW6020	6/26/2008	Zinc	33	mg/kg	4.4	J+	4
TSB-CJ-09-10	F8F130140008	SW7471	6/17/2008	Mercury	<36.5	ug/kg	36.5	UJ	3,4
TSB-CJ-09-10	F8F130140008	SW8081	6/20/2008	gamma-Chlordane	5.3	ug/kg	1.9	J	16
TSB-CJ-09-10	F8F130140008	SW8260	6/16/2008	Ethanol	< 270	ug/kg	270	UJ	12
TSB-CJ-09-10	F8F130140008	SW8270	6/20/2008	Hydroxymethyl phthalimide	< 360	ug/kg	360	UJ	12
TSB-CJ-09-10	F8F130140008	SW8270	6/20/2008	Phthalic acid	< 1800	ug/kg	1800	UJ	12
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 7.2	pg/g	7.2	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 5.1	pg/g	5.1	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 9	pg/g	9	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 2.8	pg/g	2.8	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 1.9	pg/g	1.9	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 2	pg/g	2	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 1.5	pg/g	1.5	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 1.6	pg/g	1.6	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 1.6	pg/g	1.6	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 1.7	pg/g	1.7	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	Octachlorodibenzodioxin	< 3.9	pg/g	3.9	UJ	14
TSB-CJ-09-10	F8F130140008	SW8290	6/29/2008	Octachlorodibenzofuran	6.9	pg/g	2.5	J	14
TSB-CJ-09-10	F8F130140008	SW9071B	6/21/2008	Oil & Grease (HEM)	< 219	mg/kg	219	UJ	4
TSB-FJ-02-02-0	F8F050256002	E300	6/16/2008	Chlorate	1.4	mg/kg	5.1	J	2,12
TSB-FJ-02-02-0	F8F050256002	E300	6/16/2008	Orthophosphate as P	1.3	mg/kg	5.1	J	2



**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-02-02-0	IRF0782-02	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-FJ-02-02-0	F8F050256002	SW6010	6/12/2008	Lithium	21.3	mg/kg	50.9	J	2
TSB-FJ-02-02-0	F8F050256002	SW6010	6/11/2008	Sulfur	543	mg/kg	1020	J-	2,4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Antimony	< 1	mg/kg	1	UJ	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/21/2008	Barium	237	mg/kg	5.1	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Boron	6.8	mg/kg	20.4	J	2
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Cadmium	<0.1	mg/kg	0.1	U	3
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Chromium (Total)	8.4	mg/kg	2	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Cobalt	6.9	mg/kg	0.41	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Copper	14.1	mg/kg	2	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Iron	11000	mg/kg	10.2	J	15
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Magnesium	9270	mg/kg	102	J	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Molybdenum	0.55	mg/kg	1	J	2
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Nickel	14.8	mg/kg	1	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	5.1	UJ	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Phosphorus (as P)	1250	mg/kg	102	J+	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Potassium	2000	mg/kg	20.4	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Selenium	< 1	mg/kg	1	UJ	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Silicon	157	mg/kg	50.9	J+	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Silver	0.15	mg/kg	0.41	J	2
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Strontium	154	mg/kg	1	J	4,15
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Tungsten	9	mg/kg	1	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Vanadium	34.1	mg/kg	2	J-	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Zinc	34.4	mg/kg	4.1	J	4
TSB-FJ-02-02-0	F8F050256002	SW6020	6/12/2008	Zirconium	19.7	mg/kg	20.4	J-	2,4
TSB-FJ-02-02-0	F8F050256002	SW7471	6/12/2008	Mercury	11.9	ug/kg	34	J	2
TSB-FJ-02-02-0	F8F050256002	SW8081	6/13/2008	4,4-DDE	43	ug/kg	1.7	X	11
TSB-FJ-02-02-0	F8F050256002	SW8081	6/13/2008	beta-BHC	54	ug/kg	1.7	X	11
TSB-FJ-02-02-0	F8F050256002	SW8260	6/9/2008	Acetone	14	ug/kg	20	J	2
TSB-FJ-02-02-0	F8F050256002	SW8260	6/9/2008	Dichloromethane	21	ug/kg	5.1		
TSB-FJ-02-02-0	F8F050256002	SW8260	6/9/2008	Ethanol	< 250	ug/kg	250	UJ	12
TSB-FJ-02-02-0	F8F050256002	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	340	UJ	12
TSB-FJ-02-02-0	F8F050256002	SW8270	6/12/2008	Phthalic acid	< 1600	ug/kg	1600	UJ	12
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	360	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	42	pg/g		J	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	210	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	210	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	5.2	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	110	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	17	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	24	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	15	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzofuran	110	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	17	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	36	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	71	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	190	pg/g		J	12,14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzo-p-dioxin	6.8	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	Octachlorodibenzodioxin	43	pg/g		J	14
TSB-FJ-02-02-0	F8F050256002	SW8290	6/28/2008	Octachlorodibenzofuran	980	pg/g		J	14
TSB-FJ-02-02-10	210150008	EPA 904.0 mod	7/14/2008	Radium-228	1.74	pCi/g	1	J	19
TSB-FJ-02-02-10	210150008	HASL-300	7/2/2008	Uranium-233/234	<1	pCi/g	1	U	3
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	1.3	UJ	4
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Barium	246	mg/kg	5.3	J-	4
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Calcium	32900	mg/kg	132	J	15
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Copper	22.5	mg/kg	2.6	J-	4
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Magnesium	15700	mg/kg	132	J-	4
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Niobium	< 6.6	mg/kg	6.6	UJ	4
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Phosphorus (as P)	1190	mg/kg	132	J	4,15
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Strontium	266	mg/kg	1.3	J	14
TSB-FJ-02-02-10	F8F110177003	SW6020	6/27/2008	Titanium	893	mg/kg	1.3	J	15
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	1.3	UJ	4
TSB-FJ-02-02-10	F8F110177003	SW6020	6/26/2008	Zinc	44.2	mg/kg	5.3	J-	4
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 13	ug/kg	13	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.6	ug/kg	6.6	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	1-Nonanal	< 13	ug/kg	13	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	2-Chlorotoluene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	2-Phenylbutane	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	4-Chlorotoluene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Bromobenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Cymene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Dichloromethane	< 6.6	ug/kg	6.6	UJ	12
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Ethanol	< 330	ug/kg	330	UJ	12
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Isopropylbenzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	n-Butyl benzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	n-Propyl benzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	tert-Butyl benzene	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Tetrachloroethylene	<6.6	ug/kg	6.6	U	3
TSB-FJ-02-02-10	F8F110177003	SW8260	6/12/2008	Tribromomethane	< 6.6	ug/kg	6.6	UJ	14
TSB-FJ-02-02-10	F8F110177003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 430	ug/kg	430	UJ	12
TSB-FJ-02-02-10	F8F110177003	SW8270	6/19/2008	Phthalic acid	< 2100	ug/kg	2100	UJ	12
TSB-FJ-02-02-20	210150009	EPA 904.0 mod	7/14/2008	Radium-228	1.42	pCi/g	1	J	19
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Antimony	< 1.2	mg/kg	1.2	UJ	4
TSB-FJ-02-02-20	F8F110177004	SW6020	6/27/2008	Barium	60.1	mg/kg	24.3	J-	4
TSB-FJ-02-02-20	F8F110177004	SW6020	6/27/2008	Calcium	144000	mg/kg	608	J	15
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Copper	6.4	mg/kg	2.4	J-	4
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Magnesium	6180	mg/kg	122	J-	4
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Niobium	< 6.1	mg/kg	6.1	UJ	4
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Phosphorus (as P)	382	mg/kg	122	J	4,15
TSB-FJ-02-02-20	F8F110177004	SW6020	6/27/2008	Titanium	261	mg/kg	6.1	J	15
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Tungsten	< 1.2	mg/kg	1.2	UJ	4
TSB-FJ-02-02-20	F8F110177004	SW6020	6/26/2008	Zinc	13.2	mg/kg	4.9	J-	4
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.1	ug/kg	6.1	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 12	ug/kg	12	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	1-Nonanal	< 12	ug/kg	12	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	2-Chlorotoluene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	2-Phenylbutane	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	4-Chlorotoluene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Bromobenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Cymene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Dichloromethane	< 6.1	ug/kg	6.1	UJ	12
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Ethanol	< 300	ug/kg	300	UJ	12
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Isopropylbenzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	n-Butyl benzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	n-Propyl benzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	tert-Butyl benzene	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Tetrachloroethylene	<6.1	ug/kg	6.1	U	3
TSB-FJ-02-02-20	F8F110177004	SW8260	6/12/2008	Tribromomethane	< 6.1	ug/kg	6.1	UJ	14
TSB-FJ-02-02-20	F8F110177004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 400	ug/kg	400	UJ	12
TSB-FJ-02-02-20	F8F110177004	SW8270	6/19/2008	Phthalic acid	< 1900	ug/kg	1900	UJ	12
TSB-FJ-02-02-30	210150010	EPA 904.0 mod	7/14/2008	Radium-228	1.41	pCi/g	1	J	19
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	1.3	UJ	4
TSB-FJ-02-02-30	F8F110177005	SW6020	6/27/2008	Barium	91.2	mg/kg	26	J-	4
TSB-FJ-02-02-30	F8F110177005	SW6020	6/27/2008	Calcium	143000	mg/kg	649	J	15
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Copper	13	mg/kg	2.6	J-	4
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Magnesium	12100	mg/kg	130	J-	4
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Niobium	< 6.5	mg/kg	6.5	UJ	4
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Phosphorus (as P)	703	mg/kg	130	J	4,15
TSB-FJ-02-02-30	F8F110177005	SW6020	6/27/2008	Titanium	492	mg/kg	6.5	J	15
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	1.3	UJ	4
TSB-FJ-02-02-30	F8F110177005	SW6020	6/26/2008	Zinc	25.9	mg/kg	5.2	J-	4
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.5	ug/kg	6.5	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 13	ug/kg	13	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	1-Nonanal	< 13	ug/kg	13	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	2-Chlorotoluene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	2-Phenylbutane	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	4-Chlorotoluene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Bromobenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Cymene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Dichloromethane	< 6.5	ug/kg	6.5	UJ	12
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Ethanol	< 320	ug/kg	320	UJ	12
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Isopropylbenzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	n-Butyl benzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	n-Propyl benzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	tert-Butyl benzene	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Tetrachloroethylene	<6.5	ug/kg	6.5	U	3
TSB-FJ-02-02-30	F8F110177005	SW8260	6/12/2008	Tribromomethane	< 6.5	ug/kg	6.5	UJ	14
TSB-FJ-02-02-30	F8F110177005	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 430	ug/kg	430	UJ	12
TSB-FJ-02-02-30	F8F110177005	SW8270	6/19/2008	Phthalic acid	< 2100	ug/kg	2100	UJ	12
TSB-FJ-06-02-0	IRF0782-06	3060A/7196A	6/18/2008	Chromium (VI)	0.55	mg/kg	1	J	2
TSB-FJ-06-02-0	IRF0782-06	EPA 300.1 Mod.	6/19/2008	Chlorite	< 200	ug/kg	200	R	4
TSB-FJ-06-02-10	F8F110173001	E300	6/18/2008	Chlorate	3.2	mg/kg	5.3	J	2
TSB-FJ-06-02-10	210150001	EPA 904.0 mod	7/14/2008	Radium-228	1.38	pCi/g	1	J	19
TSB-FJ-06-02-10	210150001	HASL-300	7/2/2008	Uranium-233/234	<1	pCi/g	1	U	3
TSB-FJ-06-02-10	F8F110173001	SW6010	6/13/2008	Lithium	11.7	mg/kg	53.1	J	2
TSB-FJ-06-02-10	F8F110173001	SW6010	6/13/2008	Sulfur	531	mg/kg	1060	J	2
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	1.1	UJ	4
TSB-FJ-06-02-10	F8F110173001	SW6020	6/27/2008	Barium	239	mg/kg	4.3	J-	4

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Boron	10.1	mg/kg	21.2	J	2
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Cadmium	0.073	mg/kg	0.11	J	2
TSB-FJ-06-02-10	F8F110173001	SW6020	6/27/2008	Calcium	29800	mg/kg	106	J	15
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Copper	15.7	mg/kg	2.1	J-	4
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Magnesium	10200	mg/kg	106	J-	4
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Molybdenum	0.66	mg/kg	1.1	J	2
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Niobium	< 5.3	mg/kg	5.3	UJ	4
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Phosphorus (as P)	1080	mg/kg	106	J	4,15
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Silver	0.13	mg/kg	0.43	J	2
TSB-FJ-06-02-10	F8F110173001	SW6020	6/27/2008	Titanium	656	mg/kg	1.1	J	15
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Tungsten	<1.1	mg/kg	1.1	UJ	3,4
TSB-FJ-06-02-10	F8F110173001	SW6020	6/26/2008	Zinc	32.9	mg/kg	4.3	J-	4
TSB-FJ-06-02-10	F8F110173001	SW8260	6/12/2008	Dichloromethane	< 5.3	ug/kg	5.3	UJ	12
TSB-FJ-06-02-10	F8F110173001	SW8260	6/12/2008	Ethanol	< 270	ug/kg	270	UJ	12
TSB-FJ-06-02-10	F8F110173001	SW8260	6/12/2008	Tetrachloroethylene	<5.3	ug/kg	5.3	U	3
TSB-FJ-06-02-10	F8F110173001	SW8270	6/18/2008	Hydroxymethyl phthalimide	< 350	ug/kg	350	UJ	12
TSB-FJ-06-02-10	F8F110173001	SW8270	6/18/2008	Phthalic acid	< 1700	ug/kg	1700	UJ	12
TSB-FJ-06-02-20	F8F110173002	E300	6/18/2008	Bromide	1	mg/kg	3.2	J	2
TSB-FJ-06-02-20	F8F110173002	E300.0	6/18/2008	Bromine	2.1	mg/kg	6.4	J	2
TSB-FJ-06-02-20	IRF1297-02	EPA 300.1 Mod.	6/26/2008	Chlorite	250	ug/kg	1200	J-	8
TSB-FJ-06-02-20	210150002	EPA 904.0 mod	7/14/2008	Radium-228	1.04	pCi/g	1	J	19
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Antimony	< 1.6	mg/kg	1.6	UJ	4
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Barium	56.7	mg/kg	6.4	J-	4
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Boron	24.4	mg/kg	32.1	J	2
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Calcium	10900	mg/kg	160	J	15
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Copper	17.8	mg/kg	3.2	J-	4
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Magnesium	30700	mg/kg	160	J-	4
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Molybdenum	0.71	mg/kg	1.6	J	2
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Niobium	< 8	mg/kg	8	UJ	4
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Phosphorus (as P)	566	mg/kg	160	J	4,15
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Silver	0.25	mg/kg	0.64	J	2
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Thallium	<0.64	mg/kg	0.64	U	3
TSB-FJ-06-02-20	F8F110173002	SW6020	6/27/2008	Titanium	743	mg/kg	1.6	J	15
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Tungsten	1.7	mg/kg	1.6	J-	4
TSB-FJ-06-02-20	F8F110173002	SW6020	6/26/2008	Zinc	41.2	mg/kg	6.4	J-	4

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,3-Trichloropropane	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 13	ug/kg	13	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,2-Dichlorobenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,3-Dichlorobenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1,4-Dichlorobenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	1-Nonanal	< 13	ug/kg	13	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	2-Chlorotoluene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	2-Phenylbutane	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	4-Chlorotoluene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Bromobenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Carbon tetrachloride	3.9	ug/kg	6.4	J	2
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Chloroform	300	ug/kg	6.4	X	11
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Cymene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Dichloromethane	< 6.4	ug/kg	6.4	UJ	12
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Ethanol	< 320	ug/kg	320	UJ	12
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Isopropylbenzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	n-Butyl benzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	n-Propyl benzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	tert-Butyl benzene	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Tetrachloroethylene	<6.4	ug/kg	6.4	U	3
TSB-FJ-06-02-20	F8F110173002	SW8260	6/12/2008	Tribromomethane	< 6.4	ug/kg	6.4	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8270	6/19/2008	bis(2-Ethylhexyl) phthalate	69	ug/kg	420	J	2
TSB-FJ-06-02-20	F8F110173002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 420	ug/kg	420	UJ	12
TSB-FJ-06-02-20	F8F110173002	SW8270	6/19/2008	Phthalic acid	< 2100	ug/kg	2100	UJ	12
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 1.6	pg/g	1.6	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 2	pg/g	2	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 2.1	pg/g	2.1	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	Octachlorodibenzodioxin	< 4.8	pg/g	4.8	UJ	14
TSB-FJ-06-02-20	F8F110173002	SW8290	6/29/2008	Octachlorodibenzofuran	< 6.1	pg/g	6.1	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-06-02-30	210150003	EPA 904.0 mod	7/14/2008	Radium-228	1.59	pCi/g	1	J	19
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	1.3	UJ	4
TSB-FJ-06-02-30	F8F110173003	SW6020	6/27/2008	Barium	30.5	mg/kg	21.5	J-	4
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Boron	12.4	mg/kg	26.9	J	2
TSB-FJ-06-02-30	F8F110173003	SW6020	6/27/2008	Calcium	112000	mg/kg	537	J	15
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Copper	9.9	mg/kg	2.7	J-	4
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Magnesium	21000	mg/kg	134	J-	4
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Molybdenum	0.47	mg/kg	1.3	J	2
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Niobium	< 6.7	mg/kg	6.7	UJ	4
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Palladium	0.25	mg/kg	0.27	J	2
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Phosphorus (as P)	649	mg/kg	134	J	4,15
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Silver	0.13	mg/kg	0.54	J	2
TSB-FJ-06-02-30	F8F110173003	SW6020	6/27/2008	Titanium	483	mg/kg	5.4	J	15
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	1.3	UJ	4
TSB-FJ-06-02-30	F8F110173003	SW6020	6/26/2008	Zinc	27.4	mg/kg	5.4	J-	4
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Carbon tetrachloride	2.4	ug/kg	5.4	J	2
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Dichloromethane	< 5.4	ug/kg	5.4	UJ	12
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Ethanol	< 270	ug/kg	270	UJ	12
TSB-FJ-06-02-30	F8F110173003	SW8260	6/12/2008	Tetrachloroethylene	<5.4	ug/kg	5.4	U	3
TSB-FJ-06-02-30	F8F110173003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	350	UJ	12
TSB-FJ-06-02-30	F8F110173003	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	1700	UJ	12
TSB-FJ-06-02-0	F8F050256006	E300	6/17/2008	Chlorate	62.2	mg/kg	5.1	J	12
TSB-FJ-06-02-0	F8F050256006	E300	6/17/2008	Fluoride	0.86	mg/kg	1	J	2
TSB-FJ-06-02-0	F8F050256006	SW6010	6/12/2008	Lithium	16.1	mg/kg	101	J	2
TSB-FJ-06-02-0	F8F050256006	SW6010	6/11/2008	Sulfur	1310	mg/kg	1010	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Antimony	<1	mg/kg	1	UJ	3,4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/21/2008	Barium	1420	mg/kg	10.1	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Boron	13.3	mg/kg	20.3	J	2
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Chromium (Total)	14.9	mg/kg	2	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Cobalt	9.2	mg/kg	0.41	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Copper	24	mg/kg	2	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Iron	12700	mg/kg	10.1	J	15
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Magnesium	11900	mg/kg	101	J	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Nickel	17.5	mg/kg	1	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	5.1	UJ	4



**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Phosphorus (as P)	1010	mg/kg	101	J+	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Potassium	1890	mg/kg	20.3	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Selenium	< 1	mg/kg	1	UJ	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Silicon	186	mg/kg	50.7	J+	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Silver	0.2	mg/kg	0.41	J	2
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Strontium	168	mg/kg	1	J	4,15
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Tungsten	<1	mg/kg	1	UJ	3,4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Vanadium	37	mg/kg	2	J-	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Zinc	62.1	mg/kg	4.1	J	4
TSB-FJ-06-02-0	F8F050256006	SW6020	6/12/2008	Zirconium	21.4	mg/kg	20.3	J-	4
TSB-FJ-06-02-0	F8F050256006	SW7471	6/12/2008	Mercury	32.8	ug/kg	33.8	J	2
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	2,4-DDE	20	ug/kg	1.7	J+	8
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	4,4-DDE	26	ug/kg	1.7	J+	8
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	4,4-DDT	16	ug/kg	1.7	J	8,16
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	alpha-BHC	2	ug/kg	1.7	J+	8
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	beta-BHC	65	ug/kg	1.7	X	8,11
TSB-FJ-06-02-0	F8F050256006	SW8081	6/13/2008	Endrin aldehyde	6.8	ug/kg	1.7	J+	8
TSB-FJ-06-02-0	F8F050256006	SW8082	6/12/2008	Aroclor 1254	290	ug/kg	33	J+	8
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	1,2,4-Trimethylbenzene	0.68	ug/kg	5.1	J	2
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	Acetone	14	ug/kg	20	J	2
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	Dichloromethane	<11	ug/kg	5.1	U	3
TSB-FJ-06-02-0	F8F050256006	SW8260	6/9/2008	Ethanol	< 250	ug/kg	250	UJ	12
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Benzyl alcohol	94	ug/kg	330	J	2
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	bis(2-Ethylhexyl) phthalate	140	ug/kg	330	J	2
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Chrysene	39	ug/kg	330	X	2
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Fluoranthene	63	ug/kg	330	J	2
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Hydroxymethyl phthalimide	150	ug/kg	330	J-	2,12
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Phenanthrene	37	ug/kg	330	X	2
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Phenol	130	ug/kg	330	J	2
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Phthalic acid	760	ug/kg	1600	J	2,12
TSB-FJ-06-02-0	F8F050256006	SW8270	6/12/2008	Pyrene	36	ug/kg	330	X	2
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	3.2	pg/g		J	2
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	87	pg/g		J+	12
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	Octachlorodibenzodioxin	34	pg/g		J	14
TSB-FJ-06-02-0	F8F050256006	SW8290	6/28/2008	Octachlorodibenzofuran	410	pg/g		J	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FJ-06-02-0	F8F050256006	SW8310	6/11/2008	Benzo(a)anthracene	120	ug/kg	15	J+	12
TSB-FJ-06-02-0	F8F050256006	SW8310	6/11/2008	Benzo(k)fluoranthene	51	ug/kg	15	J+	12
TSB-FR-02-02-0	F8F050256001	E300	6/16/2008	Chlorate	310	mg/kg	50.9	J	12
TSB-FR-02-02-0	F8F050256001	E300	6/16/2008	Fluoride	0.57	mg/kg	1	J	2
TSB-FR-02-02-0	IRF0782-01	EPA 300.1 Mod.	6/18/2008	Chlorite	< 410	ug/kg	410	R	4
TSB-FR-02-02-0	F8F050256001	SW6010	6/12/2008	Lithium	10.6	mg/kg	50.9	J	2
TSB-FR-02-02-0	F8F050256001	SW6010	6/11/2008	Sulfur	1230	mg/kg	1020	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Antimony	< 1	mg/kg	1	UJ	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/21/2008	Barium	445	mg/kg	5.1	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Boron	11.2	mg/kg	20.4	J	2
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Chromium (Total)	18.1	mg/kg	2	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Cobalt	7.7	mg/kg	0.41	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Copper	20.4	mg/kg	2	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Iron	11400	mg/kg	10.2	J	15
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Magnesium	12500	mg/kg	102	J	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Nickel	14.8	mg/kg	1	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	5.1	UJ	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Phosphorus (as P)	950	mg/kg	102	J+	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/21/2008	Platinum	0.11	mg/kg	0.26	J	2
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Potassium	1960	mg/kg	20.4	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Selenium	< 1	mg/kg	1	UJ	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Silicon	158	mg/kg	50.9	J+	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Silver	0.21	mg/kg	0.41	J	2
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Strontium	166	mg/kg	1	J	4,15
TSB-FR-02-02-0	F8F050256001	SW6020	6/21/2008	Thallium	0.43	mg/kg	0.51	J	2
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Tungsten	<1	mg/kg	1	UJ	3,4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Vanadium	35.6	mg/kg	2	J-	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Zinc	43.5	mg/kg	4.1	J	4
TSB-FR-02-02-0	F8F050256001	SW6020	6/12/2008	Zirconium	22.6	mg/kg	20.4	J-	4
TSB-FR-02-02-0	F8F050256001	SW7471	6/12/2008	Mercury	30.2	ug/kg	33.9	J	2
TSB-FR-02-02-0	F8F050256001	SW8081	6/13/2008	2,4-DDE	19	ug/kg	8.7	J	16
TSB-FR-02-02-0	F8F050256001	SW8081	6/13/2008	4,4-DDD	13	ug/kg	8.7	J+	12
TSB-FR-02-02-0	F8F050256001	SW8081	6/13/2008	4,4-DDT	220	ug/kg	8.7	X	11
TSB-FR-02-02-0	F8F050256001	SW8260	6/9/2008	Acetone	17	ug/kg	20	J	2
TSB-FR-02-02-0	F8F050256001	SW8260	6/9/2008	Chloroform	<5.1	ug/kg	5.1	U	13

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FR-02-02-0	F8F050256001	SW8260	6/9/2008	Dichloromethane	18	ug/kg	5.1		
TSB-FR-02-02-0	F8F050256001	SW8260	6/9/2008	Ethanol	< 250	ug/kg	250	UJ	12
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(a)anthracene	110	ug/kg	340	X	2
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(a)pyrene	170	ug/kg	340	J	2,14
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(b)fluoranthene	1000	ug/kg	340	J	14
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(g,h,i)perylene	380	ug/kg	340	J	14
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Benzo(k)fluoranthene	790	ug/kg	340	J	14
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Chrysene	280	ug/kg	340	J	2
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Dibenzo(a,h)anthracene	< 340	ug/kg	340	X	14
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Di-n-octyl phthalate	< 340	ug/kg	340	UJ	14
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	340	UJ	12
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Indeno(1,2,3-cd)pyrene	410	ug/kg	340	J	14
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Phenanthrene	270	ug/kg	340	J	2
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Phthalic acid	290	ug/kg	1600	J	2,12
TSB-FR-02-02-0	F8F050256001	SW8270	6/12/2008	Pyrene	330	ug/kg	340	X	2
TSB-FR-02-02-0	F8F050256001	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	5	pg/g		J	2
TSB-FR-02-02-0	F8F050256001	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	72	pg/g		J	12,14
TSB-FR-02-02-0	F8F050256001	SW8310	6/11/2008	Benzo(a)anthracene	120	ug/kg	15	J+	12
TSB-FR-02-02-0	F8F050256001	SW8310	6/11/2008	Benzo(k)fluoranthene	110	ug/kg	15	X	12
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Chlorate	1.2	mg/kg	5.7	J	2
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Chloride	22.6	mg/kg	2.3	J	17
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Fluoride	3	mg/kg	1.1	J	17
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Nitrate (as N)	1.5	mg/kg	0.23	J	17
TSB-FR-02-02-10	F8F110173004	E300	6/19/2008	Sulfate	305	mg/kg	57	J	17
TSB-FR-02-02-10	F8F110173004	E300.0	6/19/2008	Chlorine	45.3	mg/kg	4.6	J	17
TSB-FR-02-02-10	210150004	EPA 903.1 mod	6/27/2008	Radium-226	2.31	pCi/g	1	J	17
TSB-FR-02-02-10	210150004	EPA 904.0 mod	7/14/2008	Radium-228	1.67	pCi/g	1	J	17,19
TSB-FR-02-02-10	210150004	HASL-300	7/2/2008	Uranium-238	0.696	pCi/g	1	J	17
TSB-FR-02-02-10	F8F110173004	SW6010	6/13/2008	Sulfur	913	mg/kg	1140	J	2
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	1.1	UJ	4
TSB-FR-02-02-10	F8F110173004	SW6020	6/27/2008	Barium	126	mg/kg	11.4	J-	4
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Cadmium	0.1	mg/kg	0.11	J	2
TSB-FR-02-02-10	F8F110173004	SW6020	6/27/2008	Calcium	60100	mg/kg	285	J	15,17
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Copper	15	mg/kg	2.3	J-	4
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Magnesium	18900	mg/kg	114	J-	4

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Molybdenum	0.39	mg/kg	1.1	J	2
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Niobium	< 5.7	mg/kg	5.7	UJ	4
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Phosphorus (as P)	1200	mg/kg	114	J	4,15
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Silver	0.13	mg/kg	0.46	J	2
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Tin	0.41	mg/kg	0.46	J	2
TSB-FR-02-02-10	F8F110173004	SW6020	6/27/2008	Titanium	556	mg/kg	2.9	J	15
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Tungsten	< 1.1	mg/kg	1.1	UJ	4
TSB-FR-02-02-10	F8F110173004	SW6020	6/26/2008	Zinc	26.2	mg/kg	4.6	J-	4
TSB-FR-02-02-10	F8F110173004	SW7471	6/12/2008	Mercury	14.6	ug/kg	38	J	2
TSB-FR-02-02-10	F8F110173004	SW8260	6/12/2008	Dichloromethane	< 5.7	ug/kg	5.7	UJ	12
TSB-FR-02-02-10	F8F110173004	SW8260	6/12/2008	Ethanol	< 290	ug/kg	290	UJ	12
TSB-FR-02-02-10	F8F110173004	SW8260	6/12/2008	Tetrachloroethylene	<5.7	ug/kg	5.7	U	3
TSB-FR-02-02-10	F8F110173004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 380	ug/kg	380	UJ	12
TSB-FR-02-02-10	F8F110173004	SW8270	6/19/2008	Phthalic acid	< 1800	ug/kg	1800	UJ	12
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 2.1	pg/g	2.1	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 1.2	pg/g	1.2	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 2.5	pg/g	2.5	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 0.82	pg/g	0.82	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 0.92	pg/g	0.92	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 0.79	pg/g	0.79	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 0.81	pg/g	0.81	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 0.9	pg/g	0.9	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 0.78	pg/g	0.78	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 0.82	pg/g	0.82	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	Octachlorodibenzodioxin	< 4.3	pg/g	4.3	UJ	14
TSB-FR-02-02-10	F8F110173004	SW8290	7/4/2008	Octachlorodibenzofuran	< 3.1	pg/g	3.1	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Chloride	11	mg/kg	2.1	J	17
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Fluoride	1.8	mg/kg	1.1	J	17
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Nitrate (as N)	0.65	mg/kg	0.21	J	17
TSB-FR-02-02-10-FD	F8F110173005	E300	6/19/2008	Sulfate	175	mg/kg	5.4	J	17
TSB-FR-02-02-10-FD	F8F110173005	E300.0	6/19/2008	Chlorine	22	mg/kg	4.3	J	17
TSB-FR-02-02-10-FD	210150005	EPA 903.1 mod	6/27/2008	Radium-226	1.24	pCi/g	1	J	17
TSB-FR-02-02-10-FD	210150005	EPA 904.0 mod	7/14/2008	Radium-228	<0.442	pCi/g	1	UJ	17,19
TSB-FR-02-02-10-FD	210150005	HASL-300	7/2/2008	Uranium-238	1.73	pCi/g	1	J	17
TSB-FR-02-02-10-FD	F8F110173005	SW6010	6/13/2008	Lithium	22.8	mg/kg	53.5	J	2

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FR-02-02-10-FD	F8F110173005	SW6010	6/13/2008	Sulfur	509	mg/kg	1070	J	2
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	1.1	UJ	4
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/27/2008	Barium	140	mg/kg	4.3	J-	4
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Cadmium	0.068	mg/kg	0.11	J	2
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/27/2008	Calcium	22200	mg/kg	107	J	15,17
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Copper	14.6	mg/kg	2.1	J-	4
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Magnesium	12500	mg/kg	107	J-	4
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Molybdenum	0.31	mg/kg	1.1	J	2
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Niobium	< 5.4	mg/kg	5.4	UJ	4
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Phosphorus (as P)	1160	mg/kg	107	J	4,15
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Silver	0.12	mg/kg	0.43	J	2
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/27/2008	Titanium	530	mg/kg	1.1	J	15
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Tungsten	<1.1	mg/kg	1.1	UJ	3,4
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Zinc	30	mg/kg	4.3	J-	4
TSB-FR-02-02-10-FD	F8F110173005	SW6020	6/26/2008	Zirconium	21.1	mg/kg	21.4	J	2
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,3-Trichloropropane	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 11	ug/kg	11	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,2-Dichlorobenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,3-Dichlorobenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1,4-Dichlorobenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	1-Nonanal	< 11	ug/kg	11	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	2-Chlorotoluene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	2-Phenylbutane	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	4-Chlorotoluene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Bromobenzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Cymene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Dichloromethane	< 5.4	ug/kg	5.4	UJ	12
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Ethanol	< 270	ug/kg	270	UJ	12
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Isopropylbenzene	< 5.4	ug/kg	5.4	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	n-Butyl benzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	n-Propyl benzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	tert-Butyl benzene	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Tetrachloroethylene	<5.4	ug/kg	5.4	U	3
TSB-FR-02-02-10-FD	F8F110173005	SW8260	6/12/2008	Tribromomethane	< 5.4	ug/kg	5.4	UJ	14
TSB-FR-02-02-10-FD	F8F110173005	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	350	UJ	12
TSB-FR-02-02-10-FD	F8F110173005	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	1700	UJ	12
TSB-FR-02-02-20	210150006	EPA 904.0 mod	7/14/2008	Radium-228	1.35	pCi/g	1	J	19
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	1.1	UJ	4
TSB-FR-02-02-20	F8F110177001	SW6020	6/27/2008	Barium	85.3	mg/kg	11.1	J-	4
TSB-FR-02-02-20	F8F110177001	SW6020	6/27/2008	Calcium	53300	mg/kg	278	J	15
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Copper	8.2	mg/kg	2.2	J-	4
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Magnesium	4390	mg/kg	111	J-	4
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Niobium	< 5.6	mg/kg	5.6	UJ	4
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Phosphorus (as P)	317	mg/kg	111	J	4,15
TSB-FR-02-02-20	F8F110177001	SW6020	6/27/2008	Titanium	545	mg/kg	2.8	J	15
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Tungsten	< 1.1	mg/kg	1.1	UJ	4
TSB-FR-02-02-20	F8F110177001	SW6020	6/26/2008	Zinc	18.1	mg/kg	4.4	J-	4
TSB-FR-02-02-20	F8F110177001	SW8260	6/12/2008	Dichloromethane	< 5.6	ug/kg	5.6	UJ	12
TSB-FR-02-02-20	F8F110177001	SW8260	6/12/2008	Ethanol	< 280	ug/kg	280	UJ	12
TSB-FR-02-02-20	F8F110177001	SW8260	6/12/2008	Tetrachloroethylene	<5.6	ug/kg	5.6	U	3
TSB-FR-02-02-20	F8F110177001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 370	ug/kg	370	UJ	12
TSB-FR-02-02-20	F8F110177001	SW8270	6/19/2008	Phthalic acid	< 1800	ug/kg	1800	UJ	12
TSB-FR-02-02-30	210150007	EPA 904.0 mod	7/14/2008	Radium-228	0.956	pCi/g	1	J	19
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Antimony	< 3.6	mg/kg	3.6	UJ	4
TSB-FR-02-02-30	F8F110177002	SW6020	6/27/2008	Barium	56.2	mg/kg	14.4	J-	4
TSB-FR-02-02-30	F8F110177002	SW6020	6/27/2008	Calcium	23400	mg/kg	361	J	15
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Copper	28.8	mg/kg	7.2	J-	4
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Magnesium	45100	mg/kg	361	J-	4
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Niobium	< 18	mg/kg	18	UJ	4
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Phosphorus (as P)	812	mg/kg	361	J	4,15
TSB-FR-02-02-30	F8F110177002	SW6020	6/27/2008	Titanium	866	mg/kg	3.6	J	15
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Tungsten	< 3.6	mg/kg	3.6	UJ	4
TSB-FR-02-02-30	F8F110177002	SW6020	6/26/2008	Zinc	65	mg/kg	14.4	J-	4
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,1,2,2-Tetrachloroethane	< 7.2	ug/kg	7.2	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,3-Trichlorobenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,3-Trichloropropane	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,4-Trichlorobenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2,4-Trimethylbenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2-Dibromo-3-chloropropane (DBCP)	< 14	ug/kg	14	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,2-Dichlorobenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,3,5-Trichlorobenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,3,5-Trimethylbenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,3-Dichlorobenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1,4-Dichlorobenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	1-Nonanal	< 14	ug/kg	14	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	2-Chlorotoluene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	2-Phenylbutane	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	4-Chlorotoluene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Bromobenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Cymene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Dichloromethane	< 7.2	ug/kg	7.2	UJ	12
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Ethanol	< 360	ug/kg	360	UJ	12
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Isopropylbenzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	n-Butyl benzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	n-Propyl benzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	tert-Butyl benzene	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Tetrachloroethylene	< 7.2	ug/kg	7.2	U	3
TSB-FR-02-02-30	F8F110177002	SW8260	6/12/2008	Tribromomethane	< 7.2	ug/kg	7.2	UJ	14
TSB-FR-02-02-30	F8F110177002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 480	ug/kg	480	UJ	12
TSB-FR-02-02-30	F8F110177002	SW8270	6/19/2008	Phthalic acid	< 2300	ug/kg	2300	UJ	12
TSB-GJ-08-0	IRF0782-05	3060A/7196A	6/18/2008	Chromium (VI)	0.49	mg/kg	1	J	2
TSB-GJ-08-0	F8F050256005	E300	6/17/2008	Chlorate	< 5.1	mg/kg	5.1	UJ	12
TSB-GJ-08-0	IRF0782-05	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-GJ-08-0	F8F050256005	SW6010	6/12/2008	Lithium	10.3	mg/kg	50.8	J	2
TSB-GJ-08-0	F8F050256005	SW6010	6/11/2008	Sulfur	1360	mg/kg	1020	J-	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Antimony	< 1	mg/kg	1	UJ	4
TSB-GJ-08-0	F8F050256005	SW6020	6/21/2008	Barium	221	mg/kg	5.1	J-	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Chromium (Total)	9.8	mg/kg	2	J-	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Cobalt	7.2	mg/kg	0.41	J-	4

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Copper	17.8	mg/kg	2	J-	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Iron	11700	mg/kg	10.2	J	15
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Magnesium	9220	mg/kg	102	J	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Nickel	15.7	mg/kg	1	J-	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	5.1	UJ	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Phosphorus (as P)	984	mg/kg	102	J+	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Potassium	1900	mg/kg	20.3	J-	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Selenium	< 1	mg/kg	1	UJ	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Silicon	149	mg/kg	50.8	J+	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Silver	0.17	mg/kg	0.41	J	2
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Strontium	158	mg/kg	1	J	4,15
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Tungsten	< 1	mg/kg	1	UJ	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Vanadium	37.6	mg/kg	2	J-	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Zinc	52.3	mg/kg	4.1	J	4
TSB-GJ-08-0	F8F050256005	SW6020	6/12/2008	Zirconium	19.4	mg/kg	20.3	J-	2,4
TSB-GJ-08-0	F8F050256005	SW7471	6/12/2008	Mercury	15.9	ug/kg	33.9	J	2
TSB-GJ-08-0	F8F050256005	SW8260	6/9/2008	Dichloromethane	<11	ug/kg	5.1	U	3
TSB-GJ-08-0	F8F050256005	SW8260	6/9/2008	Ethanol	< 250	ug/kg	250	UJ	12
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(a)pyrene	< 340	ug/kg	340	X	14
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(b)fluoranthene	< 340	ug/kg	340	X	14
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(g,h,i)perylene	< 340	ug/kg	340	X	14
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Benzo(k)fluoranthene	< 340	ug/kg	340	X	14
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Chrysene	86	ug/kg	340	X	2
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Dibenzo(a,h)anthracene	< 340	ug/kg	340	X	14
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Di-n-octyl phthalate	< 340	ug/kg	340	UJ	14
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	340	UJ	12
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Indeno(1,2,3-cd)pyrene	< 340	ug/kg	340	X	14
TSB-GJ-08-0	F8F050256005	SW8270	6/12/2008	Phthalic acid	< 1600	ug/kg	1600	UJ	12
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	24	pg/g		J	14
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	2.7	pg/g		J	2
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	17	pg/g		J	12
TSB-GJ-08-0	F8F050256005	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.53	pg/g		J	2
TSB-GJ-08-0	F8F050256005	SW8310	6/11/2008	Benzo(k)fluoranthene	59	ug/kg	15	J+	12
TSB-GJ-08-10	F8F120167001	E300	6/21/2008	Fluoride	0.6	mg/kg	1.1	J	2
TSB-GJ-08-10	210228001	EPA 903.1 mod	6/27/2008	Radium-226	<1	pCi/g	1	U	13



**TABLE 3-1**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-08-10	210228001	EPA 904.0 mod	7/14/2008	Radium-228	2.73	pCi/g	1	J	19
TSB-GJ-08-10	F8F120167001	SW6010	6/17/2008	Lithium	< 107	mg/kg	107	UJ	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Antimony	< 1.3	mg/kg	1.3	UJ	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Boron	13.8	mg/kg	26.8	J	2
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Cadmium	0.069	mg/kg	0.13	J	2
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Copper	16.4	mg/kg	2.7	J-	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Iron	11700	mg/kg	13.4	J	15
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Molybdenum	0.47	mg/kg	1.3	J	2
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Nickel	15.1	mg/kg	1.3	J-	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Niobium	< 6.7	mg/kg	6.7	R	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Phosphorus (as P)	761	mg/kg	134	J+	4
TSB-GJ-08-10	F8F120167001	SW6020	6/27/2008	Silicon	314	mg/kg	66.9	J-	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Silver	0.11	mg/kg	0.54	J	2
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Tin	0.42	mg/kg	0.54	J	2
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Tungsten	< 1.3	mg/kg	1.3	UJ	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Vanadium	39.1	mg/kg	2.7	J-	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Zinc	30.7	mg/kg	5.4	J-	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Zirconium	24	mg/kg	26.8	J	2
TSB-GJ-08-10	F8F120167001	SW7471	6/17/2008	Mercury	<35.7	ug/kg	35.7	U	3
TSB-GJ-08-10	F8F120167001	SW8260	6/16/2008	Ethanol	< 270	ug/kg	270	UJ	12
TSB-GJ-08-10	F8F120167001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	350	UJ	12
TSB-GJ-08-10	F8F120167001	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	1700	UJ	12
TSB-GJ-08-20	F8F120167002	E300	6/21/2008	Chlorate	1	mg/kg	6	J	2
TSB-GJ-08-20	F8F120167002	E300	6/21/2008	Fluoride	1	mg/kg	1.2	J	2
TSB-GJ-08-20	210228002	EPA 904.0 mod	7/14/2008	Radium-228	1.61	pCi/g	1	J	19
TSB-GJ-08-20	F8F120167002	M8015D	6/17/2008	TPH (as Diesel)	< 30	mg/kg	30	UJ	8
TSB-GJ-08-20	F8F120167002	SW6010	6/17/2008	Lithium	73.5	mg/kg	29.8	J-	4
TSB-GJ-08-20	F8F120167002	SW6010	6/17/2008	Sulfur	6030	mg/kg	2980	J+	4
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Antimony	< 1.2	mg/kg	1.2	UJ	4
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Boron	22.1	mg/kg	23.9	J	2
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Copper	11.4	mg/kg	2.4	J-	4
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Iron	11200	mg/kg	11.9	J	15
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Molybdenum	0.56	mg/kg	1.2	J	2
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Nickel	11.6	mg/kg	1.2	J-	4
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Niobium	< 6	mg/kg	6	R	4

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Phosphorus (as P)	484	mg/kg	119	J+	4
TSB-GJ-08-20	F8F120167002	SW6020	6/27/2008	Silicon	323	mg/kg	59.7	J	4,14
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Silver	0.17	mg/kg	0.48	J	2
TSB-GJ-08-20	F8F120167002	SW6020	6/27/2008	Strontium	106	mg/kg	1.2	J	14
TSB-GJ-08-20	F8F120167002	SW6020	6/27/2008	Thallium	<0.48	mg/kg	0.48	U	3
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Tungsten	<1.2	mg/kg	1.2	UJ	3,4
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Vanadium	42.3	mg/kg	2.4	J-	4
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Zinc	32.8	mg/kg	4.8	J-	4
TSB-GJ-08-20	F8F120167002	SW8260	6/16/2008	Ethanol	< 300	ug/kg	300	UJ	12
TSB-GJ-08-20	F8F120167002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 390	ug/kg	390	UJ	12
TSB-GJ-08-20	F8F120167002	SW8270	6/19/2008	Phthalic acid	< 1900	ug/kg	1900	UJ	12
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 0.17	pg/g	0.17	UJ	14
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 0.16	pg/g	0.16	UJ	14
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	Octachlorodibenzodioxin	< 2.5	pg/g	2.5	UJ	14
TSB-GJ-08-20	F8F120167002	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.21	pg/g	0.21	UJ	14
TSB-GJ-08-30	F8F120167003	E300	6/21/2008	Chlorate	4.1	mg/kg	9	J	2
TSB-GJ-08-30	210228003	EPA 904.0 mod	7/14/2008	Radium-228	1.58	pCi/g	1	J	19
TSB-GJ-08-30	F8F120167003	SW6010	6/17/2008	Lithium	<180	mg/kg	180	UJ	3,4
TSB-GJ-08-30	F8F120167003	SW6010	6/17/2008	Sulfur	2240	mg/kg	4500	J+	2,4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Antimony	< 1.8	mg/kg	1.8	UJ	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Boron	21.9	mg/kg	36	J	2
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Copper	17.8	mg/kg	3.6	J-	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Iron	10200	mg/kg	18	J	15
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Molybdenum	0.53	mg/kg	1.8	J	2
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Nickel	11.6	mg/kg	1.8	J-	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Niobium	< 9	mg/kg	9	R	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Palladium	0.19	mg/kg	0.36	J	2
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Phosphorus (as P)	590	mg/kg	180	J+	4
TSB-GJ-08-30	F8F120167003	SW6020	6/27/2008	Silicon	913	mg/kg	90	J	4,14
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Silver	0.17	mg/kg	0.72	J	2
TSB-GJ-08-30	F8F120167003	SW6020	6/27/2008	Strontium	103	mg/kg	1.8	J	14
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Tungsten	< 1.8	mg/kg	1.8	UJ	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Vanadium	37.6	mg/kg	3.6	J-	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Zinc	34.1	mg/kg	7.2	J-	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Zirconium	32.1	mg/kg	36	J	2

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-08-30	F8F120167003	SW8260	6/16/2008	Ethanol	< 450	ug/kg	450	UJ	12
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	1,2,4,5-Tetrachlorobenzene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	1,2-Diphenylhydrazine	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	1,4-Dioxane	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4,5-Trichlorophenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4,6-Trichlorophenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dichlorophenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dimethylphenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dinitrophenol	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,4-Dinitrotoluene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2,6-Dinitrotoluene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Chloronaphthalene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Chlorophenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Methylnaphthalene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Nitroaniline	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	2-Nitrophenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	3,3'-Dichlorobenzidine	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	3-Methylphenol & 4-Methylphenol	< 1200	ug/kg	1200	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	3-Nitroaniline	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Bromophenyl phenyl ether	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Chloro-3-Methylphenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Chlorophenyl phenyl ether	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Chlorothioanisole	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	4-Nitrophenol	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Acenaphthene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Acenaphthylene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Acetophenone	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Aniline	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Anthracene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Azobenzene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzenethiol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(a)anthracene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(a)pyrene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(b)fluoranthene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 590	ug/kg	590	X	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzo(k)fluoranthene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzoic acid	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzyl alcohol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Benzyl butyl phthalate	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Chloroethoxy) methane	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Chloroethyl) ether	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Chloroisopropyl) ether	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(2-Ethylhexyl) phthalate	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(p-Chlorophenyl) disulfide	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	bis(p-Chlorophenyl) sulfone	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Carbazole	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Chrysene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dibenzofuran	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dibutyl phthalate	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Diethyl phthalate	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Dimethyl phthalate	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Di-n-octyl phthalate	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Diphenyl sulfone	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Fluoranthene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Fluorene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachloro-1,3-butadiene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachlorobenzene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachlorocyclopentadiene	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hexachloroethane	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 590	ug/kg	590	UJ	12,14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Isophorone	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Naphthalene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Nitrobenzene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	N-nitrosodi-n-propylamine	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	N-nitrosodiphenylamine	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	o-Cresol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Octachlorostyrene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	p-Chloroaniline	< 590	ug/kg	590	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	p-Chlorothiophenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pentachlorobenzene	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pentachlorophenol	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenanthrene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenol	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenyl Disulfide	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phenyl Sulfide	< 590	ug/kg	590	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Phthalic acid	< 2900	ug/kg	2900	UJ	12,14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	p-Nitroaniline	< 2900	ug/kg	2900	UJ	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pyrene	< 590	ug/kg	590	X	14
TSB-GJ-08-30	F8F120167003	SW8270	6/19/2008	Pyridine	< 1200	ug/kg	1200	UJ	14
TSB-GJ-08-30	F8F120167003	SW8290	6/28/2008	Octachlorodibenzodioxin	< 1.7	pg/g	1.7	UJ	14
TSB-GJ-08-30	F8F120167003	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.2	pg/g	0.2	UJ	14
TSB-GJ-08-40	210228004	EPA 904.0 mod	7/14/2008	Radium-228	1.83	pCi/g	1	J	19
TSB-GJ-08-40	F8F120167004	SW6010	6/17/2008	Lithium	73.5	mg/kg	40.3	J-	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Antimony	< 1.6	mg/kg	1.6	UJ	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Boron	25.2	mg/kg	32.2	J	2
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Cadmium	0.12	mg/kg	0.16	J	2
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Copper	16.4	mg/kg	3.2	J-	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Iron	15100	mg/kg	16.1	J	15
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Molybdenum	0.8	mg/kg	1.6	J	2
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Nickel	16.6	mg/kg	1.6	J-	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Niobium	< 8.1	mg/kg	8.1	R	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Palladium	0.24	mg/kg	0.32	J	2
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Phosphorus (as P)	705	mg/kg	161	J+	4
TSB-GJ-08-40	F8F120167004	SW6020	6/27/2008	Silicon	767	mg/kg	80.6	J-	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Silver	0.18	mg/kg	0.64	J	2
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Tungsten	< 1.6	mg/kg	1.6	UJ	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Vanadium	39	mg/kg	3.2	J-	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Zinc	49	mg/kg	6.4	J-	4
TSB-GJ-08-40	F8F120167004	SW8260	6/16/2008	Carbon tetrachloride	0.84	ug/kg	8.1	J	2
TSB-GJ-08-40	F8F120167004	SW8260	6/16/2008	Ethanol	< 400	ug/kg	400	UJ	12
TSB-GJ-08-40	F8F120167004	SW8260	6/16/2008	Trichloroethylene	4.7	ug/kg	8.1	J	2
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(a)pyrene	< 530	ug/kg	530	X	14
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(b)fluoranthene	< 530	ug/kg	530	X	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 530	ug/kg	530	X	14
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Benzo(k)fluoranthene	< 530	ug/kg	530	X	14
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Chrysene	130	ug/kg	530	J	2
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 530	ug/kg	530	X	14
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Di-n-octyl phthalate	< 530	ug/kg	530	UJ	14
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 530	ug/kg	530	UJ	12
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 530	ug/kg	530	X	14
TSB-GJ-08-40	F8F120167004	SW8270	6/19/2008	Phthalic acid	< 2600	ug/kg	2600	UJ	12
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 0.21	pg/g	0.21	UJ	14
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 0.24	pg/g	0.24	UJ	14
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	Octachlorodibenzodioxin	12	pg/g		J	2,5,14
TSB-GJ-08-40	F8F120167004	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.89	pg/g	0.89	UJ	14
TSB-GJ-09-0	F8F050256003	E300	6/17/2008	Bromide	8.5	mg/kg	2.6	J	17
TSB-GJ-09-0	F8F050256003	E300	6/17/2008	Chlorate	253	mg/kg	51.3	J	12
TSB-GJ-09-0	F8F050256003	E300	6/17/2008	Fluoride	0.43	mg/kg	1	J	2
TSB-GJ-09-0	F8F050256003	E300.0	6/17/2008	Bromine	17.1	mg/kg	5.1	J	17
TSB-GJ-09-0	IRF0782-03	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-GJ-09-0	209755001	EPA 903.1 mod	6/23/2008	Radium-226	1.07	pCi/g	1	J	17
TSB-GJ-09-0	209755001	EPA 904.0 mod	6/20/2008	Radium-228	2.32	pCi/g	1	J	17
TSB-GJ-09-0	F8F050256003	SW6010	6/12/2008	Lithium	24	mg/kg	51.3	J	2
TSB-GJ-09-0	F8F050256003	SW6010	6/11/2008	Sulfur	1740	mg/kg	1030	J-	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Antimony	< 1	mg/kg	1	UJ	4
TSB-GJ-09-0	F8F050256003	SW6020	6/21/2008	Barium	230	mg/kg	5.1	J-	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Boron	8	mg/kg	20.5	J	2
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Cadmium	<0.1	mg/kg	0.1	U	3
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Chromium (Total)	8.1	mg/kg	2.1	J-	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Cobalt	7.9	mg/kg	0.41	J-	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Copper	14	mg/kg	2.1	J-	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Iron	10800	mg/kg	10.3	J	15
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Magnesium	11300	mg/kg	103	J	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Molybdenum	0.77	mg/kg	1	J	2
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Nickel	13.6	mg/kg	1	J-	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Niobium	< 5.1	mg/kg	5.1	UJ	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Phosphorus (as P)	908	mg/kg	103	J+	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Potassium	1520	mg/kg	20.5	J-	4

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Selenium	< 1	mg/kg	1	UJ	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Silicon	133	mg/kg	51.3	J+	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Silver	0.14	mg/kg	0.41	J	2
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Strontium	287	mg/kg	1	J	4,15
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Tungsten	< 1	mg/kg	1	UJ	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Vanadium	33.6	mg/kg	2.1	J-	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Zinc	33.5	mg/kg	4.1	J	4
TSB-GJ-09-0	F8F050256003	SW6020	6/12/2008	Zirconium	18.1	mg/kg	20.5	J-	2,4
TSB-GJ-09-0	F8F050256003	SW8081	6/13/2008	4,4-DDE	16	ug/kg	8.7	J+	12
TSB-GJ-09-0	F8F050256003	SW8260	6/9/2008	Acetone	15	ug/kg	21	J	2
TSB-GJ-09-0	F8F050256003	SW8260	6/9/2008	Ethanol	< 260	ug/kg	260	UJ	12
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(a)pyrene	< 340	ug/kg	340	X	14
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(b)fluoranthene	< 340	ug/kg	340	X	14
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(g,h,i)perylene	< 340	ug/kg	340	X	14
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Benzo(k)fluoranthene	< 340	ug/kg	340	X	14
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Dibenzo(a,h)anthracene	< 340	ug/kg	340	X	14
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Di-n-octyl phthalate	< 340	ug/kg	340	UJ	14
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	340	UJ	12
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Indeno(1,2,3-cd)pyrene	< 340	ug/kg	340	X	14
TSB-GJ-09-0	F8F050256003	SW8270	6/12/2008	Phthalic acid	< 1600	ug/kg	1600	UJ	12
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	7.7	pg/g		J	14,17
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 4.2	pg/g	4.2	UJ	14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.8	pg/g		J	2,17
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	5	pg/g		J	2,14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 0.3	pg/g	0.3	UJ	14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	2.7	pg/g		J	2,14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 1.5	pg/g	1.5	UJ	14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 0.23	pg/g	0.23	UJ	14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 1.7	pg/g	1.7	UJ	14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzofuran	2.9	pg/g		J	2,14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	< 0.36	pg/g	0.36	UJ	14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 1	pg/g	1	UJ	14
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	2.5	pg/g		J	2,14,17
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	4	pg/g		J	12
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	Octachlorodibenzodioxin	31	pg/g		J	14,17

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-09-0	F8F050256003	SW8290	6/28/2008	Octachlorodibenzofuran	19	pg/g		J	14,17
TSB-GJ-09-FD-0	F8F050256004	E300	6/17/2008	Bromide	5.1	mg/kg	2.6	J	17
TSB-GJ-09-FD-0	F8F050256004	E300	6/17/2008	Chlorate	185	mg/kg	5.2	J	12
TSB-GJ-09-FD-0	F8F050256004	E300	6/17/2008	Fluoride	0.57	mg/kg	1	J	2
TSB-GJ-09-FD-0	F8F050256004	E300.0	6/17/2008	Bromine	10.1	mg/kg	5.2	J	17
TSB-GJ-09-FD-0	F8F050256004	SW6010	6/12/2008	Lithium	20.4	mg/kg	51.7	J	2
TSB-GJ-09-FD-0	F8F050256004	SW6010	6/11/2008	Sulfur	1410	mg/kg	1030	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Antimony	< 1	mg/kg	1	UJ	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/21/2008	Barium	211	mg/kg	5.2	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Boron	10.3	mg/kg	20.7	J	2
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Chromium (Total)	10.3	mg/kg	2.1	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Cobalt	6.9	mg/kg	0.41	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Copper	15.3	mg/kg	2.1	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Iron	12200	mg/kg	10.3	J	15
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Magnesium	13400	mg/kg	103	J	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Molybdenum	0.98	mg/kg	1	J	2
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Nickel	15	mg/kg	1	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Niobium	< 5.2	mg/kg	5.2	UJ	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Phosphorus (as P)	868	mg/kg	103	J+	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Potassium	1840	mg/kg	20.7	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Selenium	< 1	mg/kg	1	UJ	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Silicon	158	mg/kg	51.7	J+	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Silver	0.18	mg/kg	0.41	J	2
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Strontium	267	mg/kg	1	J	4,15
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Tungsten	< 1	mg/kg	1	UJ	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Vanadium	37.2	mg/kg	2.1	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Zinc	35.8	mg/kg	4.1	J	4
TSB-GJ-09-FD-0	F8F050256004	SW6020	6/12/2008	Zirconium	22.2	mg/kg	20.7	J-	4
TSB-GJ-09-FD-0	F8F050256004	SW8081	6/13/2008	4,4-DDE	14	ug/kg	8.8	J+	12
TSB-GJ-09-FD-0	F8F050256004	SW8260	6/9/2008	Acetone	9.8	ug/kg	21	J	2
TSB-GJ-09-FD-0	F8F050256004	SW8260	6/9/2008	Ethanol	< 260	ug/kg	260	UJ	12
TSB-GJ-09-FD-0	F8F050256004	SW8270	6/12/2008	Hydroxymethyl phthalimide	< 340	ug/kg	340	UJ	12
TSB-GJ-09-FD-0	F8F050256004	SW8270	6/12/2008	Phthalic acid	< 1700	ug/kg	1700	UJ	12
TSB-GJ-09-FD-0	F8F050256004	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 2.5	pg/g	2.5	UJ	17
TSB-GJ-09-FD-0	F8F050256004	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 1.2	pg/g	1.2	UJ	17



**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-09-FD-0	F8F050256004	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	< 1.2	pg/g	1.2	UJ	17
TSB-GJ-09-FD-0	F8F050256004	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	2.6	pg/g		J	12
TSB-GJ-09-FD-0	F8F050256004	SW8290	6/28/2008	Octachlorodibenzodioxin	10	pg/g		J	17
TSB-GJ-09-FD-0	F8F050256004	SW8290	6/28/2008	Octachlorodibenzofuran	< 4.1	pg/g	4.1	UJ	17
TSB-GJ-09-0-FD	IRF0782-04	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-GJ-09-10	F8F120180001	E300	6/21/2008	Bromide	0.8	mg/kg	2.7	J	2
TSB-GJ-09-10	F8F120180001	E300	6/21/2008	Fluoride	0.62	mg/kg	1.1	J	2
TSB-GJ-09-10	F8F120180001	E300.0	6/21/2008	Bromine	1.6	mg/kg	5.3	J	2
TSB-GJ-09-10	IRF1296-01	EPA 300.1 Mod.	6/26/2008	Chlorite	< 1100	ug/kg	1100	UJ	8
TSB-GJ-09-10	210228005	EPA 904.0 mod	7/14/2008	Radium-228	1.71	pCi/g	1	J	19
TSB-GJ-09-10	F8F120180001	SW6010	6/17/2008	Lithium	<26.6	mg/kg	26.6	UJ	3,4
TSB-GJ-09-10	F8F120180001	SW6010	6/17/2008	Sulfur	1740	mg/kg	2660	J+	2,4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Antimony	< 1.1	mg/kg	1.1	UJ	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Boron	8.8	mg/kg	21.3	J	2
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Cadmium	0.074	mg/kg	0.11	J	2
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Copper	14.1	mg/kg	2.1	J-	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Iron	12500	mg/kg	10.6	J	15
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Molybdenum	0.61	mg/kg	1.1	J	2
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Nickel	14.6	mg/kg	1.1	J-	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Niobium	< 5.3	mg/kg	5.3	R	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Phosphorus (as P)	975	mg/kg	106	J+	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Selenium	< 1.1	mg/kg	1.1	U	
TSB-GJ-09-10	F8F120180001	SW6020	6/27/2008	Silicon	385	mg/kg	53.2	J-	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Silver	0.11	mg/kg	0.43	J	2
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Tungsten	< 1.1	mg/kg	1.1	UJ	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Vanadium	38.6	mg/kg	2.1	J-	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Zinc	30.1	mg/kg	4.3	J-	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Zirconium	19.5	mg/kg	21.3	J	2
TSB-GJ-09-10	F8F120180001	SW8260	6/16/2008	Ethanol	< 270	ug/kg	270	UJ	12
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(a)pyrene	< 350	ug/kg	350	X	14
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(b)fluoranthene	< 350	ug/kg	350	X	14
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 350	ug/kg	350	X	14
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Benzo(k)fluoranthene	< 350	ug/kg	350	X	14
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Chrysene	44	ug/kg	350	J	2
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 350	ug/kg	350	X	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Di-n-octyl phthalate	< 350	ug/kg	350	UJ	14
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 350	ug/kg	350	UJ	12
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 350	ug/kg	350	X	14
TSB-GJ-09-10	F8F120180001	SW8270	6/19/2008	Phthalic acid	< 1700	ug/kg	1700	UJ	12
TSB-GJ-09-10	F8F120180001	SW9071B	6/21/2008	Oil & Grease (HEM)	< 213	mg/kg	213	UJ	4
TSB-GJ-09-20	IRF1296-02	3060A/7196A	6/23/2008	Chromium (VI)	0.83	mg/kg	1.5	J	2
TSB-GJ-09-20	F8F120180002	E300	6/21/2008	Chlorate	3.7	mg/kg	6.3	J	2
TSB-GJ-09-20	F8F120180002	E300	6/21/2008	Fluoride	0.58	mg/kg	1.3	J	2
TSB-GJ-09-20	F8F120180002	E300	6/21/2008	Orthophosphate as P	<6.3	mg/kg	6.3	U	3
TSB-GJ-09-20	IRF1296-02	EPA 300.1 Mod.	6/26/2008	Chlorite	< 1500	ug/kg	1500	UJ	8
TSB-GJ-09-20	210228006	EPA 904.0 mod	7/14/2008	Radium-228	1.5	pCi/g	1	J	19
TSB-GJ-09-20	F8F120180002	SW6010	6/17/2008	Lithium	< 126	mg/kg	126	UJ	4
TSB-GJ-09-20	F8F120180002	SW6010	6/17/2008	Sulfur	53300	mg/kg	3140	J+	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Antimony	< 3.1	mg/kg	3.1	UJ	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Copper	13.5	mg/kg	6.3	J-	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Iron	13200	mg/kg	31.4	J	15
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Nickel	14.7	mg/kg	3.1	J-	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Niobium	< 15.7	mg/kg	15.7	R	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Phosphorus (as P)	528	mg/kg	314	J+	4
TSB-GJ-09-20	F8F120180002	SW6020	6/27/2008	Silicon	549	mg/kg	157	J-	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Silver	0.14	mg/kg	1.3	J	2
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Tungsten	< 3.1	mg/kg	3.1	UJ	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Vanadium	57.7	mg/kg	6.3	J-	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Zinc	91.2	mg/kg	12.6	J-	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Zirconium	31.7	mg/kg	62.8	J	2
TSB-GJ-09-20	F8F120180002	SW8260	6/16/2008	Ethanol	< 310	ug/kg	310	UJ	12
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(a)pyrene	< 410	ug/kg	410	X	14
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(b)fluoranthene	< 410	ug/kg	410	X	14
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 410	ug/kg	410	X	14
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Benzo(k)fluoranthene	< 410	ug/kg	410	X	14
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 410	ug/kg	410	X	14
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Di-n-octyl phthalate	< 410	ug/kg	410	UJ	14
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 410	ug/kg	410	UJ	12
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 410	ug/kg	410	X	14
TSB-GJ-09-20	F8F120180002	SW8270	6/19/2008	Phthalic acid	< 2000	ug/kg	2000	UJ	12

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-09-20	F8F120180002	SW9071B	6/21/2008	Oil & Grease (HEM)	< 251	mg/kg	251	UJ	4
TSB-GJ-09-30	IRF1296-03	3060A/7196A	6/23/2008	Chromium (VI)	0.61	mg/kg	1.4	J	2
TSB-GJ-09-30	210228007	EPA 903.1 mod	6/27/2008	Radium-226	<1	pCi/g	1	U	13
TSB-GJ-09-30	210228007	EPA 904.0 mod	7/14/2008	Radium-228	1.21	pCi/g	1	J	19
TSB-GJ-09-30	F8F120180003	SW6010	6/17/2008	Lithium	47.4	mg/kg	35.8	J-	4
TSB-GJ-09-30	F8F120180003	SW6010	6/17/2008	Sulfur	1610	mg/kg	3580	J+	2,4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Antimony	< 1.4	mg/kg	1.4	UJ	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Boron	20.5	mg/kg	28.6	J	2
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Cadmium	0.064	mg/kg	0.14	J	2
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Copper	14.8	mg/kg	2.9	J-	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Iron	13100	mg/kg	14.3	J	15
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Molybdenum	0.71	mg/kg	1.4	J	2
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Nickel	13.4	mg/kg	1.4	J-	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Niobium	< 7.2	mg/kg	7.2	R	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Phosphorus (as P)	687	mg/kg	143	J+	4
TSB-GJ-09-30	F8F120180003	SW6020	6/27/2008	Silicon	726	mg/kg	71.6	J-	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Silver	0.19	mg/kg	0.57	J	2
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Tin	0.56	mg/kg	0.57	J	2
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Tungsten	< 1.4	mg/kg	1.4	UJ	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Vanadium	41	mg/kg	2.9	J-	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Zinc	37.2	mg/kg	5.7	J-	4
TSB-GJ-09-30	F8F120180003	SW8260	6/16/2008	Ethanol	< 360	ug/kg	360	UJ	12
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(a)pyrene	< 470	ug/kg	470	X	14
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(b)fluoranthene	< 470	ug/kg	470	X	14
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 470	ug/kg	470	X	14
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Benzo(k)fluoranthene	< 470	ug/kg	470	X	14
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 470	ug/kg	470	X	14
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Di-n-octyl phthalate	< 470	ug/kg	470	UJ	14
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 470	ug/kg	470	UJ	12
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 470	ug/kg	470	X	14
TSB-GJ-09-30	F8F120180003	SW8270	6/19/2008	Phthalic acid	< 2300	ug/kg	2300	UJ	12
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzofuran	< 0.66	pg/g	0.66	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	< 0.78	pg/g	0.78	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,7,8,9-Heptachlorodibenzofuran	< 0.8	pg/g	0.8	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzofuran	< 0.17	pg/g	0.17	UJ	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	< 0.27	pg/g	0.27	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzofuran	< 0.15	pg/g	0.15	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	< 0.21	pg/g	0.21	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzofuran	< 0.19	pg/g	0.19	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	< 0.22	pg/g	0.22	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzofuran	< 0.14	pg/g	0.14	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	< 0.4	pg/g	0.4	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	2,3,4,6,7,8-Hexachlorodibenzofuran	< 0.18	pg/g	0.18	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	2,3,4,7,8-Pentachlorodibenzofuran	< 0.15	pg/g	0.15	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	2,3,7,8-Tetrachlorodibenzofuran	< 0.054	pg/g	0.054	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	Octachlorodibenzodioxin	< 5.5	pg/g	5.5	UJ	14
TSB-GJ-09-30	F8F120180003	SW8290	6/28/2008	Octachlorodibenzofuran	< 0.62	pg/g	0.62	UJ	14
TSB-GJ-09-30	F8F120180003	SW9071B	6/21/2008	Oil & Grease (HEM)	< 286	mg/kg	286	UJ	4
TSB-GJ-09-40	210228008	EPA 904.0 mod	7/14/2008	Radium-228	<0.905	pCi/g	1	UJ	19
TSB-GJ-09-40	F8F120180004	SW6010	6/17/2008	Lithium	<157	mg/kg	157	UJ	3,4
TSB-GJ-09-40	F8F120180004	SW6010	6/17/2008	Sulfur	2030	mg/kg	3930	J+	2,4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Antimony	< 1.6	mg/kg	1.6	UJ	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Boron	28.3	mg/kg	31.5	J	2
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Cadmium	0.1	mg/kg	0.16	J	2
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Copper	16.2	mg/kg	3.1	J-	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Iron	15400	mg/kg	15.7	J	15
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Molybdenum	0.67	mg/kg	1.6	J	2
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Nickel	16.3	mg/kg	1.6	J-	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Niobium	< 7.9	mg/kg	7.9	R	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Phosphorus (as P)	572	mg/kg	157	J+	4
TSB-GJ-09-40	F8F120180004	SW6020	6/27/2008	Silicon	806	mg/kg	78.6	J-	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Silver	0.19	mg/kg	0.63	J	2
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Tungsten	< 1.6	mg/kg	1.6	UJ	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Vanadium	42.4	mg/kg	3.1	J-	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Zinc	45	mg/kg	6.3	J-	4
TSB-GJ-09-40	F8F120180004	SW7471	6/17/2008	Mercury	<52.4	ug/kg	52.4	U	3
TSB-GJ-09-40	F8F120180004	SW8260	6/16/2008	Chloroform	1.5	ug/kg	7.9	J	2
TSB-GJ-09-40	F8F120180004	SW8260	6/16/2008	Ethanol	< 390	ug/kg	390	UJ	12
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(a)pyrene	< 520	ug/kg	520	X	14
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(b)fluoranthene	< 520	ug/kg	520	X	14

**TABLE 3-1**  
**SUMMARY OF QUALIFIED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(g,h,i)perylene	< 520	ug/kg	520	X	14
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Benzo(k)fluoranthene	< 520	ug/kg	520	X	14
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Dibenzo(a,h)anthracene	< 520	ug/kg	520	X	14
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Di-n-octyl phthalate	< 520	ug/kg	520	UJ	14
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Hydroxymethyl phthalimide	< 520	ug/kg	520	UJ	12
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Indeno(1,2,3-cd)pyrene	< 520	ug/kg	520	X	14
TSB-GJ-09-40	F8F120180004	SW8270	6/19/2008	Phthalic acid	< 2500	ug/kg	2500	UJ	12
TSB-GJ-09-40	F8F120180004	SW9071B	6/21/2008	Oil & Grease (HEM)	< 314	mg/kg	314	UJ	4
TSB-GJ-09-FD-0	209755002	EPA 903.1 mod	6/23/2008	Radium-226	0.920	pCi/g	1	J	17
TSB-GJ-09-FD-0	209755002	EPA 904.0 mod	6/20/2008	Radium-228	0.850	pCi/g	1	J	17

ID - identification

U - non-detect result due to blank contamination

J - estimated value.

UJ - non-detect estimated quantitation limit

R - rejected value.

X - removed value; replaced by a more accurate and precise value.

pg/g - picogram per gram

pg/l - picogram per liter

mg/kg - milligram per kilogram

ug/kg - microgram per kilogram

pCi/g - picoCurie per kilogram

mg/L - milligram per liter

ug/L - microgram per liter

QL - quantitation limit

+ Result is biased high

- Result is biased low

**TABLE 3-2**  
**SUMMARY OF REJECTED DATA RESULTS**  
**TRONOX PARCELS C, D, F, G AND H SUPPLEMENTAL INVESTIGATIONS**  
**JUNE-JULY 2008**  
**BMI INDUSTRIAL COMPLEX**  
**CLARK COUNTY, NEVADA**  
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Sample ID	Lab Sample ID	Method	Analysis Date	Analyte	Result	Unit	QL	Qualifier	Reason_Code
Rinsate 1	IRF1163-01	EPA 7196A	6/13/2008	Chromium (VI)	< 0.025	mg/l	0.025	R	1
Rinsate-2	IRF1295-01	EPA 7196A	6/17/2008	Chromium (VI)	< 0.025	mg/l	0.025	R	1
TSB-FJ-02-02-0	IRF0782-02	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-FJ-06-02-0	IRF0782-06	EPA 300.1 Mod.	6/19/2008	Chlorite	< 200	ug/kg	200	R	4
TSB-FR-02-02-0	IRF0782-01	EPA 300.1 Mod.	6/18/2008	Chlorite	< 410	ug/kg	410	R	4
TSB-GJ-08-0	IRF0782-05	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-GJ-08-10	F8F120167001	SW6020	6/26/2008	Niobium	< 6.7	mg/kg	6.7	R	4
TSB-GJ-08-20	F8F120167002	SW6020	6/26/2008	Niobium	< 6	mg/kg	6	R	4
TSB-GJ-08-30	F8F120167003	SW6020	6/26/2008	Niobium	< 9	mg/kg	9	R	4
TSB-GJ-08-40	F8F120167004	SW6020	6/26/2008	Niobium	< 8.1	mg/kg	8.1	R	4
TSB-GJ-09-0	IRF0782-03	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-GJ-09-0-FD	IRF0782-04	EPA 300.1 Mod.	6/19/2008	Chlorite	< 210	ug/kg	210	R	4
TSB-GJ-09-10	F8F120180001	SW6020	6/26/2008	Niobium	< 5.3	mg/kg	5.3	R	4
TSB-GJ-09-20	F8F120180002	SW6020	6/26/2008	Niobium	< 15.7	mg/kg	15.7	R	4
TSB-GJ-09-30	F8F120180003	SW6020	6/26/2008	Niobium	< 7.2	mg/kg	7.2	R	4
TSB-GJ-09-40	F8F120180004	SW6020	6/26/2008	Niobium	< 7.9	mg/kg	7.9	R	4

ID - identification

R - rejected value.

mg/kg - milligram per kilogram

mg/L - milligram per liter

ug/kg - microgram per kilogram

QL - quantitation limit

APPENDIX A

NDEP COMMENTS ON DATA VALIDATION SUMMARY REPORT  
REVISION 0 AND BRC'S RESPONSE TO COMMENTS

**Response to NDEP Comments Dated June 19, 2007 on the  
Data Validation Summary Report – 2007 Parcel 4A/4B Investigation  
(Dataset 43), Revision 0**

1. Mercury Censoring, Table 2-4 and Section 2.1.3.3: Table 2-4 contains two records where the mercury concentration was qualified due to laboratory blank contamination resulting in censoring of the detected values. The records are for samples TSB-CJ-09-10 (F8F130140008, also identified as KPWW1 in the laboratory reports) and TSB-GJ-08-10 (F8F120167001, also identified at KPRW1 in the laboratory report). Sample TSB-CJ-09-10 was analyzed with a mercury concentration of 21.2 µg/kg (instrument concentration 0.116) and sample TSB-GJ-08-10 with a mercury concentration of 19.1 µg/kg (instrument concentration 0.107); both values are less than the QL but above the MDL. Table 2-4 also indicates the blank concentration associated with the samples was 0.1 µg/L. Review of the method blanks associated with this batch shows they had instrument concentrations at 0.005, 0.08, 0.017, and 0.009. However, the two CCBs that bracket sample TSB-CJ-09-10 were less than one-fifth the value of the sample, 0.017 versus 0.116. Even when instrument concentrations (before adjustment due to sample matrix and amount extracted) are compared, this sample contains mercury at a concentration greater than five times the blanks. It is unclear why these records were qualified based on the method blank contamination. These results should be re-evaluated and revised as appropriate.

***Response:*** *The metals data in question were reviewed and confirmed to have been flagged appropriately. Inorganics data are not subject to the 5 times (5x) rule, according to SOP-40 and to the most current version of the National Functional Guidelines document.*

2. Radium-226 Qualification due to Blank Contamination: in SDG 210228 several records for Ra-226 were qualified with reason code 3, due to laboratory blank contamination. However, review of the laboratory results indicates the contamination was in the rinsate (field blank) indicating the reason code should be 13. The final qualifiers appear to be correct but the reason codes used should be investigated and the database revised accordingly.

***Response:*** *The reason code 3 has been changed to reflect the correct reason code 13 in the database and in Tables 2-4 and 2-5 in the revised report.*

3. Table 1-4: this table should include Reason Code 0 (zero).

***Response:*** *An older version of Table 1-4 was inadvertently included in the report. The latest version of this table has been included in the revised report.*



**APPENDIX B**

**LABORATORY REPORTS, DATA VALIDATION REPORTS, AND  
ELECTRONIC DATABASE (on DVD)**