TRONOX

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February 26, 2009

Ms. Shannon Harbour, P.E.
Nevada Division of Environmental Protection
2030 East Flamingo Road, Suite 230
Las Vegas, Nevada 89119-0818

Subject: **Facility ID #H-000539**
Semi-Annual Remedial Performance Report for
Chromium and Perchlorate, July 2008 through December 2008
Tronox LLC, Henderson Nevada

Dear Ms. Harbour:

Please find enclosed the *Semi-Annual Remedial Performance Report for Chromium and Perchlorate, Tronox LLC, Henderson, NV* for the period July 2008 to December 2008. The report describes the Tronox LLC (Tronox) chromium and perchlorate remedial activities over the last half of 2008. As discussed, Appendix D the Data Validation Summary Report (DVSR), as well as an updated database, normally supplied with the remedial performance report, will be submitted under separate cover at a later date.

Please contact me if you have any comments or questions concerning this correspondence. Thank you.

Sincerely,

Susan M. Crowley
CEM 1428, exp 3-8-11

Overnight Mail

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Prepared for:
Tronox LLC
Henderson, Nevada

Semi-Annual Remedial Performance Report for Chromium and Perchlorate Tronox LLC, Henderson, Nevada

July 2008 – December 2008

Submitted in Accordance with 1986 Chromium Consent Order and 2001 Perchlorate Administrative Order on Consent

Prepared by:
AECOM Environment and Tronox LLC
February 27, 2009

TRONOX

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TRONOX

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Annual Remedial Performance Report for Chromium and Perchlorate Tronox LLC Henderson, Nevada

Responsible CEM for this project

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

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.

SM Crowley 2-18-09

Susan M. Crowley, CEM 1428 Exp.:03/08/11
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Acronyms and Abbreviations

AOC	Administrative Order and Consent
CD	Compact disk
COH WRF	City of Henderson Water Reclamation Facility
ECA	Environmental Compliance Assessment
FBR	Fluid Bed Reactors
gpm	gallons per minute
GWTP	Groundwater Treatment Plant
mg/L	milligrams per liter
NDEP	Nevada Division of Environmental Protection
NPDES	National Pollutant Discharge Elimination System
ppb	parts per billion
RIB	Rapid Infiltration Basin
TDS	total dissolved solids
Tronox	Tronox LLC
UIC	Underground Injection Control
UMCf	Upper Muddy Creek formation

1.0 INTRODUCTION

In accordance with the Consent Order for remediation of chromium-impacted groundwater at the Henderson facility, finalized September 9, 1986, and the Administrative Order on Consent (AOC) for remediation of perchlorate-impacted groundwater in the Henderson area, finalized October 8, 2001, Tronox LLC (Tronox) submits this remedial performance report to the Nevada Division of Environmental Protection (NDEP). This report is a mid-period data report for chromium and perchlorate. A detailed evaluation and presentation of data will be contained in the *Annual Remedial Performance Report for Chromium and Perchlorate* due to the NDEP in August 2009.

This report, covering the period July 2008 through December 2008, summarizes performance data for both the chromium and perchlorate remediation programs based on sampling between July 2008 and December 2008 supplemented by limited sampling in January 2009. The discussion in this report will be primarily limited to variances from historic conditions. Specifically, this report describes:

- The hexavalent chromium remediation system and evaluates the effectiveness of the groundwater capture and treatment system installed to carry out the chromium remediation program; and
- The perchlorate remediation system (consisting of the on-site Interceptor well field, the off-site Athens Road well field, the off-site Seep well field and the off-site Seep surface-flow capture sump) and evaluates the effectiveness of the groundwater capture and treatment system installed to carry out the perchlorate remediation program.

In addition, the report describes the chromium remedial activities at the Athens Road well field, provides information on the status of the perchlorate remedial activities and contains data requirements relevant to the chromium remediation system's Underground Injection Control (UIC) permit modification.

This report is provided as a hard copy report and electronically on a compact disk (CD). Where electronic files are referenced, or information is stated as provided on CD, this information is contained on the complete report CD inserted at the front of the report. Appendix A contains two tables: Table A-1 has five quarters of data, Table A-2 contains the July to December 2008 data. The July to December 2008 data were segregated because they have not completed data validation. The Access© compatible data file normally included on the report CD will be provided under separate cover with the Data Validation report when it is completed. Appendix B contains the laboratory reports and field sheets (on the report CD). Appendix C contains correspondence with NDEP including responses to comments on previous Tronox reports and Appendix D will be provided under a separate cover and will contain the data validation summary report.

Figure 1, a map covering the area between the Tronox facility and Las Vegas Wash, shows the locations of the remedial systems' components and the sampled monitor wells. The performance of each component will be discussed separately starting with the on-site Interceptor well field and proceeding to the successively northward components.

2.0 AREA GROUNDWATER CONDITIONS

2.1 Interceptor Well Field Area

The Interceptor well field area is shown on Figures 1, *Location Map*, and 2, *Groundwater Wells Installed and Proposed at the Interceptor Well Field*. Historic water elevations across the barrier wall directly downgradient of the well field show that north of the barrier wall water levels in wells M-69 through M-74 range between two to seven feet lower than water elevations south of the barrier wall. This indicates negligible hydraulic communication across the barrier wall (see Figure 3). Figure 3, *Hydrograph Pairs Across the Barrier Wall*, also shows that, starting in March 2008, the groundwater mound began to redevelop in wells M-69, 70, and 71 from introduced Lake Mead water in the recharge trench area north of the barrier wall. In this area, the groundwater is artificially recharged with Lake Mead water in two gravel-filled trenches to balance the loss of groundwater removed from the alluvium and Muddy Creek (UMCf) formations by the Interceptor well field.

In March/April 2008, the gravel in the north trench was excavated and old gravel, tree roots, Quagga mussels, and minor amounts of iron oxide were removed. These materials were removed from the full length, width, and depth of the north trench, which is approximately 760 feet long, three to four feet wide, and 15 feet in depth. Clean, washed, ¾-inch gravel was placed in the emptied trench. Installation of a filter to prevent the re-introduction of Quagga mussels into the refurbished trench is underway. Once the filter is installed, Tronox will resume Lake Mead water flow to the north trench.

During the trench refurbishing, clean (less than five parts per billion [ppb] perchlorate) Lake Mead water had been put in the south trench. Tronox also opened an area adjacent to the introduction point for the south trench so if the first standpipe in the south trench overflowed, the water was still contained and recharged in the immediate area. In May 2008, the monthly average water discharged to the south trench and the open area was back up to 60.7 gallons per minute (gpm). However containment of 60 gpm to 65 gpm proved to be unworkable and recharge was scaled back to 35 gpm to 45 gpm. This condition is illustrated in Figure 3 where the mounding in M-69, 70, and 71 began to dissipate again starting in October 2008. Tronox will resume flow to the north trench as soon as the filter installation is complete, which is expected by the end of the first quarter.

The monthly average discharge rate for each Interceptor well during December 2008 is shown on Table 1. This table compares the December discharge data to the same time period each year from December 2003 to present. These discharge data illustrate the gradual increase in groundwater capture after the barrier wall was installed in October 2001. The December 2008 total discharge was 65.4 gpm.

2.2 Athens Road Field Area

The Athens Road well field (location shown in Figure 1) was completed in March 2002 and groundwater collection in this area began shortly thereafter. Continuous pumping from this well field began in mid-October 2002. More recently, in early September 2006, an additional recovery well (ART-9) began full-time pumping. December 2008 groundwater elevations are shown on Figure 4, *Athens Road Well Field Drawdown*. This figure shows that starting in July 2008 the water levels in the monitor wells began to slowly increase due to urban over-irrigation. However, this increase is much more subdued than that seen prior to summer 2007.

North of this well field, in the east-central portion of section 36, large intermittent surface-water infiltration from the City of Henderson Water Reclamation Facility (COH WRF) Rapid Infiltration Basins (RIBs) periodically forms large groundwater mounds in the potentiometric surface. As shown on Figure 5, *City of Henderson WRF Well MW-K5 Hydrograph,* an infiltration event in November 2008 raised the water elevation in well MW-K5 11.16 feet. This had the effect of flattening the groundwater gradient from an average of 0.020 feet per foot to less than 0.0026 feet per foot in the area north of the Athens Road well field. An event such as this has the effect of reducing the downgradient flow of groundwater from the well field area and dissolving perchlorate trapped in the vadose zone.

Recent recovery well discharge rates are shown on Table 2. This table shows that the December 2008 average discharge from the pumping Athens Road recovery wells – ART-2, 3A, 4A, 7, 8, and 9 – was up to 285.5 gpm. This discharge rate increase is due to ongoing well field optimization efforts. Discharge rate comparisons back to December 2003 are also provided.

2.3 Seep Well Field Area

The Seep well field and the Seep stream pumping station are shown on Figure 1. In July 2002, when pumping began, the Seep well field consisted of three recovery wells situated over the deepest part of the alluvial channel. Five additional wells (PC-117 to PC-121), completed in February 2003, and one additional well (PC-133), completed in December 2004, were added to the Seep well field area. As discussed above, the November infiltration event at the COH WRF RIBs provided an increased volume of groundwater flowing toward the well field. Figure 6 shows that in November 2008 well PC-58, about 1,800 feet downgradient from the RIBs, registered a sharp increase in water elevation whereas well PC-91, about 1,000 feet further downgradient, registered only a slight increase in water elevation in December. This is an indication that the November water slug released by the RIBs was only arriving at the well field in December 2008. This has the effect of further flattening the current groundwater gradient (0.07 feet per foot) in the well field area and increasing the mass of dissolved perchlorate.

Recent recovery well discharge rates are presented in Table 3. This table shows that the average discharge rate for December 2008 was a total of about 563 gpm. Discharge rate comparisons back to December 2003 are also provided. The discharge rate decline is due to well field optimization efforts. To maximize the mass of perchlorate captured, discharge rates in wells and well fields with lower contaminant mass loading are preferentially decreased relative to wells and well fields with higher contaminant mass loading. The Seep stream has not flowed since mid-April 2007.

3.0 CHROMIUM MITIGATION PROGRAM

The four components of the chromium mitigation program, consisting of the on-site Interceptor well field, groundwater barrier wall, groundwater recharge trenches, and the off-site Athens Road well field, are shown on Figure 1. For the last six months, July 2008 to December 2008, a total of about 2,186 pounds of chromium was captured and removed from the collected groundwater. Please note that for the discussion in this section, total chromium is conservatively considered to be entirely hexavalent chromium. A diagram of the groundwater chromium system is presented on Figure 7, *Tronox Henderson Groundwater Treatment Flow Diagram.*

3.1 Chromium Plume

Appendix A contains the results of the last five quarters of sampling. Based on November 2008 total chromium analytical results the highest total chromium concentration south of the Interceptor well field (upgradient of the well field) occurred in a cluster of wells, M-22A, 36, and 66 (34 milligrams per liter [mg/L]) (see Figure 2 for well locations), whereas north of the recharge trenches (downgradient of well field) the highest total chromium concentration found was 2.1 mg/L in well PC-54, which is south of Boulder Highway.

3.1.1 On-Site Interceptor Well Field Area

Figure 8, *Interceptor Well Field Total Chromium Section Graph*, shows the concentrations of total chromium across the well field over the last five quarters. The figure shows that the total chromium concentrations are little changed on either end of the well line whereas large changes have occurred in the central part. Currently, total chromium concentrations in wells I-T, I-U, I-H, I-P, and I-O are slightly lower since May 2008 whereas I-Q has dropped in half since February 2008.

Total chromium concentration data from the five Consent Order Appendix J wells (M-11, M-23, M-36, M-72, and M-86) are presented in Figure 9, *Consent Order Appendix J Wells Total Chromium Concentration Trend Graph*. Monitor well M-11, immediately downgradient from the former primary source area (Units 4 and 5), has increased slightly from 2.8 to 3.6 mg/L total chromium between May and November 2008. Well M-36, upgradient of the Interceptor well field and barrier wall, began declining in late 2004 and has remained relatively steady in total chromium concentration since 2006. This “steady state” condition may indicate that the main portion of the upgradient total chromium plume has reached the area of M-36. Since 2006, the chromium concentration in M-86 has been increasing slightly due to the fouling of the recharge trenches and concomitant dispersion of the “dead zone” groundwater mounding. M-86, and nearby wells M-85 and M-83, were damaged or destroyed during the recharge trench refurbishment activities and plans call for reestablishment of the wells during upcoming Source Area Investigation Phase B field work. Well M-23, 1600 feet downgradient from the barrier wall and recharge trench, is also continuing to show declining total chromium concentrations. M-23 chromium value was 0.77 mg/L total in August 2008, which represents the fifth lowest total chromium value noted in this well since sampling was initiated in January 1987. Since November 2008, M-23 has been inaccessible due to earthmoving activities in the area; however, access has recently been reestablished

Total chromium concentrations downgradient of the barrier wall and recharge trenches continue to decline, indicating that the groundwater recovery/barrier system is functioning as an effective barrier to migration of the main portion of the chromium plume. For example, M-100, 700 feet north of the recharge trenches, has declined from 9.2 mg/L total chromium in January 2002 to 0.27 mg/L in November 2008.

3.1.2 Athens Road / Seep Well Fields Area

The groundwater recovery system at Athens Road (now called Galleria Road) has a positive effect on the total chromium concentrations north of the well field. In this area, the groundwater flows around both sides of a Muddy Creek formation basement ridge. The total chromium plume on both sides of the ridge is captured and stopped by the groundwater recovery wells.

As shown in Figure 10, *Athens Road Well Field Total Chromium Section Graph*, chromium concentrations in the western subchannel over the last year have been low relative to those in the eastern subchannel. Recovery well ART-9 was installed in this area to capture a narrow channel of high chromium-impacted groundwater that was moving through the recovery well field. In response, a dramatic decline in chromium concentration occurred in well PC-122, which went from 1.5 to 0.10 mg/L between November 2006 and November 2008. The chromium concentration in ART-9 has increased slightly from 1.1 mg/L in November 2007 to the current 1.5 mg/L. Tronox had intended to put well ART-6 back online in the second half of 2008 but the well has been inaccessible due to ongoing City of Henderson construction work. As soon as the well is accessible, hopefully in the second quarter, ART-6 will be put back online. Total chromium present in groundwater collected in this area continues to be treated at Lift Station #3 with ferrous sulfate to reduce the hexavalent chromium species to insoluble trivalent chromium before the water is sent to the on-site perchlorate treatment system.

Further north, as shown in Appendix A, the November 2008 total chromium concentrations in wells PC-98R and MW-K5, in the COH WRF, have dropped to <0.01 mg/L due to the dilution effect of the large groundwater infiltration event in November. Continuing further north, no total chromium section graph was prepared for the Seep well field because wells in this well field closest to the Las Vegas wash continue to contain < 0.01 mg/L total chromium (as they have since the onset of data collection in February 2006).

3.2 On-Site Chromium Treatment System

The operation and maintenance of the total chromium reduction process was contracted to Veolia Water North America (formerly US Filter Operating Services) on August 1, 2003. Tronox retains responsibility for compliance with the terms of the 1986 Consent Order and the subsequent UIC Permit NEV94218. Table 4 contains the July 2008 to December 2008 process treatment data from the on-site Groundwater Treatment Plant (GWTP). The treated groundwater from the GWTP, which can include about 25 gpm from GW-11 (currently GW-11 pond water enters the process at the equalization tanks), is pumped to two 150,000-gallon tanks (BT-40 and BT-45 in series) and then pumped to the equalization tanks where it is combined with water from the off-site recovery systems. From the equalization tanks, most of the blended water flows through activated carbon beds before being filtered and pumped to the Fluidized Bed Reactors (FBRs) for treatment to destroy perchlorate, chlorate, and nitrate. A small portion of the blended flow (one to three gpm) is not pumped to the FBRs but instead is returned to the GW-11 pond in order to avoid running the underflow pump dry.

As shown in Table 4, the total chromium inflow concentration from the Interceptor wells to the GWTP is holding fairly steady since July 2008 in a range of 12 to 14 mg/L. The reduction of hexavalent chromium during the reporting period has been consistently effective. Total chromium outflow concentrations for the last six months ranged from 0.131 to 0.492 mg/l – well below the required level established in the 1986 Consent Order, 1.7 mg/L. The hexavalent chromium outflow concentration during the reporting period ranged from 0.004 to 0.008 mg/l – well below the required level established in the 1986 Consent Order, 0.05 mg/l. For the period between July 2008 and December 2008, about 1,984 pounds of chromium have been removed from the groundwater.

Results of total chromium analysis from weekly FBR influent and effluent samples are presented in Table 5. These data, between July 2008 to December 2008, show that the FBR's influent total chromium concentrations varied from 0.021 to 0.58 mg/L. Based on an average concentration of about 0.094 mg/L total chromium and a average flow rate of 975 gpm, the FBRs were receiving about 1.1 pounds of chromium per day from the equalization tanks.

Treated water from the FBRs discharges to Las Vegas Wash, under authority of National Pollutant Discharge Elimination System (NPDES) Permit NV0023060, just upgradient of the Pabco Road erosion control structure. Analyses of this water, between July 2008 and December 2008, appear in Table 5 and show that all hexavalent chromium analyses, except one, have been non-detect at <0.0001 mg/l and that all total chromium analyses, except five, have been non-detect at <0.01 mg/l. At an influent concentration of about 1.1 pounds per day, the FBR system removed an additional 202 pounds of chromium over the six month period. The sum of the chromium removed from the groundwater between July 2008 and December 2008 by the chromium recovery and treatment system and by the FBRs is 2,186 pounds.

A diagram of the groundwater chromium system is presented on Figure 7. This block diagram is a lifecycle presentation of chromium-impacted groundwater from the four primary groundwater collection areas, through the various treatment stages, and then to ultimate discharge as clean effluent to Las Vegas Wash.

3.3 Potential On-Site Interim Chromium Remediation

Tronox has reviewed the potential for interim chromium remediation activity at specific areas on site. These areas include the impacted groundwater in the "dead zone" immediately downgradient of the barrier wall, the impacted vadose zone below old ponds P2 and P3, and the impacted vadose zone below units 4 and 5.

In February 2008, the "dead zone" wells M-70, M-71, and M-72, were redeveloped, pump tested and found to be extremely poor water producers because of a combination of very low water elevation and very low UMCf hydraulic conductivity. The best of the three wells, M-70, could only pump a maximum of 0.625 gpm and the total pumping amount from the three wells is only about 0.75 gpm. This condition is complicated by the fact that the groundwater mound formed by injection of water into the recharge trenches had dissipated because of the clogging of the trenches. As noted above, the north trench has been refurbished and is awaiting the installation of a filter. Currently, water injection is being maintained in the 35 to 45 gpm range and it is expected that water levels will rise again in the "dead zone" wells when the filter comes online by the second quarter 2009. The expectation is that the wells could still be pumped at a rate of 1 to 2 gallons per minute over the span of approximately 9 to 12 months to "mine" water from this area and reduce the total chromium loading.

Capacity to handle the water in the GWTP has been made available by rerouting water from GW-11 directly to the equalization tanks and more capacity can be made available by routing the discharge from selected wells connected to the west header (containing low concentrations of hexavalent chromium) directly to the GW-11 pond.

The former P2 / P3 pond areas and the subsurface impact below Units 4 and 5 could potentially be treated with amendments to reduce the hexavalent chromium to the relatively insoluble form (chromium III). This may be a viable approach to remediation of the vadose zone impact in these areas and will be investigated after the Phase B Source Area Investigation portion of the Environmental Compliance Assessment (ECA) program is completed. At that time, if any other chromium-impacted areas are found, all existing impacted source areas can be treated together in a more efficient and cost effective manner. Similarly, if other site-related chemicals are identified in the area during Source Area Investigation, the potential impact of the chromium treatment option can be considered.

4.0 PERCHLORATE RECOVERY PROGRAM

The four components of the perchlorate recovery system, consisting of the on-site Interceptor well field and barrier wall, the off-site Athens Road well field, the off-site Seep well field, and the off-site Seep surface-flow capture sump, are shown on Figure 1. In the second half of 2008, a total of about 286,789 pounds of perchlorate (about 1,560 pounds per day) have been removed from the groundwater with the overall system. Of this total, about 156,009 pounds (848 pounds per day) came from the on-site Interceptor well field, about 121,128 pounds (658 pounds per day) came from the Athens Road well field, about 9,979 pounds (54 pounds per day) came from the Seep well field, and zero pounds came from the Seep surface-flow capture sump. For the full year 2008, a total of about 563,947 pounds of perchlorate have been captured, removed and destroyed in the biological treatment system. Figure 11, *Perchlorate Removed from the Environment July to December 2008*, shows the July – December 2008 monthly perchlorate recovery totals and the relative significance of each of the four components, whereas Table 6 shows the average pounds of perchlorate per day removed by each component.

4.1 Perchlorate Plume

Appendix A contains the results of the last five quarters of sampling. Based on November 2008 perchlorate results the highest perchlorate concentration south of the Interceptor well field occurred in well I-A-R (2,960 mg/L) (see Figure 2 for well location) whereas north of the recharge trenches the highest perchlorate concentration found was 676 mg/L in well M-44 along the north boundary of the Tronox property.

4.1.1 Interceptor Well Field Area

The three components of this well field area, the recovery well line, the barrier wall and the groundwater recharge trenches, significantly reduce the amount of perchlorate in the downgradient groundwater.

Figure 12, *Interceptor Well Field Perchlorate Section Graph*, shows the perchlorate concentrations for the Interceptor wells in May 2002 compared to the last four quarters. These data are less variable than the total chromium data shown on Figure 8. The most recent quarterly data from November 2008 show that the perchlorate concentrations in many of the Interceptor wells are significantly lower than in May 2002 and many wells are at or near their historic lows. Note that well I-Q shows the same abrupt decline in perchlorate concentration as the chromium concentration shown in Figure 8.

Based on this graph and Figures 13 and 13A, *Interceptor Well Field Perchlorate Trend Graph*, since at least May 2002 there have been two sub-plumes impacting the well field; a major plume east of well I-M and a minor plume west of I-M and the overall perchlorate loading is declining over time. On the west end of the barrier wall, Interceptor well I-B has continued to decrease from 3,000 mg/L in May 2006 to 928 mg/L in November 2008 and that monitor well M-69, directly downgradient from I-B and which had been increasing since mid-2005, has now begun to dramatically decrease (1,350 mg/L in November 2006 to 724 mg/L in November 2008). The reason for this decline is probably the increased pumping in upgradient well I-A-R. Tronox installed additional monitoring wells and one recovery well west of I-B, which will be connected to the well field in the second quarter of 2009.

Since high perchlorate concentrations are often associated with high total dissolved solids (TDS) concentrations, a TDS section graph was constructed across the well field. A comparison of Figure 12 and Figure 14, *Interceptor Well Field Total Dissolved Solids Section Graph*, shows that the broad zone of high TDS

in the central part of the well field continues in the most recent sampling without a concomitant increase in perchlorate concentrations. It is also noteworthy that the high perchlorate plume on the west side of the well field is not associated with high TDS. It is thought that a groundwater pulse containing a high concentration of perchlorate, with no other salts present, is responsible for this anomaly. Note that well I-Q shows the same drop in TDS concentrations as that seen for perchlorate and chromium.

The monthly average perchlorate concentration collected at the well field has been decreasing, with short-lived minor reversals, from a high of about 1,900 mg/l in 2002 to about 1,068 mg/l in December 2008 (see Figure 15, *Interceptor Well Field Average Perchlorate Concentration and Mass Removed*). This figure also shows the monthly average perchlorate removed from the groundwater which is estimated to be 26,382 pounds in December 2008. Data shown on Figure 16, *Well M*-100 *Perchlorate vs. Water Elevation Trend Graph,* from monitor well M-100, 700 feet north of the recharge trenches, demonstrate that the recharge trenches were effective up until about May 2007 when their slow clogging started to choke off the water supply to M-100. As shown, the historic perchlorate concentration low in this well (13 mg/L) occurred in May 2007 and was 98 percent less than the January 2002 concentration of 1,000 mg/L. Since the refurbishment of the trenches in March/April the groundwater elevation began to rise once more and demonstrates that the groundwater mounding effect from the trenches reaches at least to this well. As discussed earlier, water infiltration is being maintained at about 60 percent of the allowable amount pending installation of a filter. This is shown in the water elevation graph for the August to December timeframe. It is expected that the water elevation will fully recover to 2006 levels once the north trench is back online.

4.1.2 Athens Road Well Field Area

The Athens Road well field was completed in March 2002 and groundwater collection in this area began shortly thereafter. Continuous pumping from this well field began in mid-October 2002. In September 2006, an additional recovery well (ART-9) began full-time pumping. Figure 1 shows the location of the Athens Road well field. As of December 10, 2008, the pumping Athens Road wells were ART-2, 3A, 4A, 7, 8 and 9 and the December 2008 recovery well discharge rate was about 286 gpm (Table 2). Appendix A presents groundwater elevations and analytical data from the wells in this area.

The perchlorate concentrations of the ART-series wells are shown in Figures 17 and 17A, *Athens Road Well Field Perchlorate Concentration Trend Graph*. The trend lines on Figure 17 show that between January 2003 and September 2006 the perchlorate concentrations were basically stable with only minor variations and that between September 2006 and May 2007 perchlorate concentrations in all wells began to accelerate their decline. Since May 2007, the variability of perchlorate concentrations has decreased. Figure 17A, an expanded view of the last five quarters of Figure 17, shows that since October 2007, ART-8 has decreased from 273 to 227 mg/L and ART-1, 2, 5, and 7 have remained almost constant. ART-6, currently containing 202 mg/l, continues to swing between 75 and 361 mg/L. Tronox is working to put ART-6 back online by the second quarter and recover groundwater from the well, but these efforts have delayed due to City of Henderson development work in the immediate vicinity. Groundwater from well ART-9, presently pumping at about 47 gpm, currently contains 327 mg/l of perchlorate, the highest in the well field. Figure 18, *Athens Road Well Field Perchlorate Section Graph*, an east-west section graph through the well field, shows that over the last four quarters concentration changes have occurred in a narrow range – with the exception of ART-6 – and that most of the present concentrations are below those from May 2002. Note that the perchlorate concentrations on the western (PC-55 and ART-1) and the eastern (PC-122) sides of the well field continue to remain very low. The monthly perchlorate concentration in ART-8, as shown on Figure 19, *Athens Road Well Field Average Perchlorate Concentration in ART-8 and Mass Removed,* currently contains 227 mg/L, near the

low end of its range. Also shown on this graph is the monthly average perchlorate mass removed from the well field, which was estimated to be 21,007 pounds in December.

Starting in August 2006, TDS data have been collected from the well field. Evaluation of the November 2008 data in Figure 20, *Athens Road Well Field Total Dissolved Solids Section Graph,* shows that two zones of higher TDS exist at the well field centered on ART-8 and PC-17 on the west (9,620 mg/L maximum) and ART-7 and PC-122 on the east (9,900 mg/L maximum).

About 250 feet north of the Athens Road well field, seven ARP-series and one MW-K series wells make up the Athens Road piezometer well line. The perchlorate concentrations of these wells are shown on Figures 21 and 21A, *Athens Road Piezometer Wells Perchlorate Concentration Trend Graph*. The western well, ARP-1, and the eastern well, ARP-7, continue to contain perchlorate concentrations below 5.4 mg/L. In December 2007, ARP-4A, 5A, and 6B replaced ARP-4, 5, and 6A, which were plugged and abandoned to make way for City of Henderson area development drainage ditch construction. MW-K4, east of ARP-3, is declining again and contained 77.8 mg/L in December 2008. Figure 22, *Athens Road Piezometer Well Line Perchlorate Concentration Section Graph,* an east-west section graph across the piezometer line, shows the sharp decline in perchlorate concentrations since May 2002 in the western sub-channel. It is expected to take longer to clean the piezometer line wells because pumping at the Athens Road well field and periodic discharge by COH WRF has flattened the hydraulic gradient in the area of the piezometers. Currently, the Athens Road well field area, extending north to the piezometer line, is undergoing extensive City of Henderson development-construction activities. Periodically wells are buried or damaged. Currently, PC-134, PC-135, and PC-101 have damaged surface completions and ARP-2, 3, PC-136, 137 and ART-6 are buried. ARP-7 was damaged, repaired and returned to service. As the City of Henderson clears an area, Tronox is working to repair or replace damaged wells and will attempt to minimize future damage as City of Henderson construction continues.

Intermediate between the Athens Road area and the Seep area are the COH WRF and the Lower Ponds monitor well lines. Figures 23 and 23A, *City of Henderson WRF Well Line Perchlorate Concentration Trend Graph,* show the perchlorate concentrations in the COH WRF wells from January 2001 to December 2008. As shown, wells PC98R and MW-K5, in which concentrations have previously been erratic prior to April 2004, have varied in a narrow range since May 2007of 2.3 to 25.0 and 0.19 to 16.9 mg/L, respectively. In November, a large infiltration event, which dramatically raised water elevations, occurred in the RIBs on the COH WRF. During this event, perchlorate concentrations in PC-98R and MW-K5 were reduced to 2.3 and 0.19 mg/L, respectively. However, December concentrations rebounded to 13.8 and 9.8 mg/L, respectively, as the effect of the infiltration event dissipated. Figure 24, Well *PC-98R Perchlorate Concentration vs. Water Elevation Trend Graph*, shows that since February 2003 the groundwater level has continued to generally decline, but significant groundwater “mounding events”, due to increased COH WRF surface water infiltration, continue to occur sporadically. The graph clearly shows the most recent mounding event in November 2008. It is significant to note on this graph that since December 2003, a spike in perchlorate occurred during each spike in groundwater elevation. This indicates that during higher water levels additional perchlorate from the vadose zone was put into solution and that the historic higher-than-normal perchlorate concentrations in this well line are more a function of COH WRF discharge than presumed perchlorate leakage past the Athens Road well field. However, during the latest seven mounding events occurring since May 2007, this has not been the case. This suggests that much of the perchlorate in the vadose zone in this area has been removed and that during these last events infiltration water has diluted the perchlorate (and chromium) concentrations in the adjacent groundwater

The Lower Ponds well line is 2,200 feet north of the COH WRF well line. Figures 25 and 25A, *Lower Ponds Well Line Perchlorate Concentration Trend Graph*, show that perchlorate concentrations have not shown much variation since about February 2004. The last five quarters of data shown on Figure 25A show that two of the wells – PC-56 and 58 – have the most variation and perchlorate concentrations increased in both starting in October or November. Both are currently off their November highs of 8.5 and 10.9 mg/L, respectively. It is possible that the high concentrations were due to vadose zone solution of perchlorate as the November infiltration event raised water levels in the immediate area of the Lower Ponds well line.

4.1.3 Seep Well Field Area

The original three recovery wells in the Seep well field went online in August 2002. Five additional wells (PC-117 to PC-121), completed in February 2003, and one additional well (PC-133), completed in December 2004, were added to the Seep well field area (Figure 1). At present, the Seep well field consists of ten wells – two of which (PC-99R2 and PC-99R3) are connected and operate as one – positioned over the deepest part of the alluvium channel that contains the highest concentrations of perchlorate. The well field is located about 600 feet upgradient of the Seep surface-flow capture sump. Figures 26 and 26A, *Seep Well Field Perchlorate Concentration Trend Graph,* show the perchlorate content of the wells. Figure 26A shows that over the last year the three wells within the deepest part of the channel – PC-115R, 99R2/R3 and 116R – have concentration variations that mirror each other. Over the last two months, coinciding with the COH WRF mounding event, six of the wells show a slight increase in perchlorate in December; with PC-99R2/R3 and 115R containing 10.6 and 11 mg/L, respectively.

Evidence for incoming Las Vegas Wash water impacting the well field comes in the form of greatly reduced perchlorate and TDS concentrations in PC-97, north of the well field. For example, the perchlorate concentration in PC-97 has declined from 96 to 0.26 mg/L since May 2001 (see Figure 27, *Well PC-97 Perchlorate Concentration vs. Water Elevation Trend Graph*, and Appendix A). The figure also shows that in the past when the groundwater level increased in the winter there was a concomitant bump in perchlorate concentration; however, this has not occurred during the last two winters. This situation will continue to be monitored and may result in a further decrease of the pumping rate.

Figure 28, *Seep Well Field Perchlorate Concentration Section Graph*, shows that the concentrations from the November 2008 sampling are little different from concentrations over the last four quarters. Data from May 2002 are shown for comparison. TDS concentrations for the last five quarters are plotted on Figure 29, *Seep Well Field Total Dissolved Solids Section Graph*. This figure shows that the highest TDS concentration (4,870 mg/L) is currently from PC-99R2/R3, the well containing the highest perchlorate.

The monthly perchlorate concentration, as shown on Figure 30, *Seep Area Average Perchlorate Concentration and Mass Removed*, currently averages about 8.6 mg/L. Also shown on this graph is the monthly average perchlorate mass removed, which was estimated to be 1,793 pounds in December 2008.

As shown on Figure 31, the *Seep Stream Flow vs. Perchlorate Concentration Trend Graph*, the seep stream ended its flow in mid-April 2007. The relationship of higher winter flow/water elevation and higher perchlorate concentration in water, evident back to the winter of 2002, has not occurred over the last two winters.

4.2 On-Site Perchlorate Groundwater Treatment System and Remediation

Groundwater collection and operation of the biological treatment plant continued throughout the reporting period. Effluent from the biological treatment process stayed within the limits specified in the NPDES

NV0023060 discharge permit. As reported in a previous report, maintaining the pH of the discharged treated water from the bioplant at a level above pH 6.5 requires significant additions of sodium hydroxide (caustic). On average, caustic consumption exceeded 225 gallons per day for the past six months. Consideration of reducing the NPDES pH requirement from 6.5 to 6.0 may be beneficial when the permit comes up for renewal next year. Routine maintenance is completed as needed at the GWTP and FBRs.

Transfers of perchlorate from the AP-5 pond to GW-11 have slowed as the perchlorate available to be dissolved decreases. In the past 6 months, the total quantity of perchlorate removed from AP-5 was 77.3 tons, bringing the total to 968.9 tons. Tronox initially estimated the quantity of perchlorate in the pond at about 1,000 tons. Circulation of water in AP-5 will continue for the next several months to remove any remaining perchlorate. The balance of the inert pond solids will likely be removed in 2010. The pond will then be decommissioned.

As shown on Table 7, since July 2008 the perchlorate influent to the FBR has ranged from 118 to 350 mg/L whereas the effluent discharged to Las Vegas Wash was mostly non-detect at < 0.004 mg/L perchlorate.

5.0 CONCLUSIONS

Chromium concentrations in monitor wells immediately downgradient of the on-site groundwater barrier wall show a marked decline in concentration due to a combination of groundwater capture in the Interceptor well field and dilution by Lake Mead water in the recharge trenches. The north trench has recently been refurbished and the Interceptor wells redeveloped. Groundwater recovery from the Interceptor well field has substantially increased due to the effectiveness of the groundwater barrier. For the six month period ending in December 2008, using an average of 13.8 mg/L total chromium and an average groundwater recovery rate of 65 gallons per minute, the chromium recovery and treatment system captured about 10.8 pounds of chromium per day for a total of about 1,984 pounds. Adding the 202 pounds of chromium removed by the FBRs for the six month period, a total of 2,186 pounds of chromium were removed from the groundwater between July 2008 and December 2008. Ongoing assessment and monitoring will continue during 2009 to monitor capture of the chromium- and perchlorate-impacted groundwater upgradient of the groundwater barrier.

Chromium capture at the Athens Road well field improved with the addition of recovery well ART-9 in the eastern portion of the plume and is expected to show further improvement with the planned re-initiation of pumping from the ART-6 well. Overall recovery of chromium-impacted groundwater in this area has aided in reducing the plume to non-detect levels prior to reaching Las Vegas Wash.

Perchlorate continues to be captured by the four components of the remediation program. The on-site Interceptor well field, coupled with the groundwater barrier wall, provides capture in this on-site area. Since October 2002 the Athens Road area well field has been in continuous operation and is maturing into an efficient interception line. The Seep well field and the seep surface capture make up the remaining portions of the perchlorate recovery system. The Seep well field is advantageously located over the main part of the alluvium channel and is in close proximity to Las Vegas Wash. Capture in this area makes the most immediate impact on Wash perchlorate concentrations. The perchlorate concentration in seep area groundwater is continuing to decrease with minor reversals partly due to periodic groundwater mounding events from the COH WRF. It is anticipated that the impact of continued pumping at the Athens Road well field – especially with ART-9 online - will continue to be observed in the seep area concentrations, modified by discharge activities at COH WRF.

As the ultimate measure of the effectiveness of the combined systems over the last nine years, one needs to look no farther than the decrease in perchlorate loading in Las Vegas Wash since 1999. In May 1999, the perchlorate loading in the wash was 1,104 pounds per day compared to 62 pounds per day in December 2008, a 94.4 percent drop.

6.0 PROPOSED FUTURE ACTIVITIES

Tronox will continue to record water levels in the Consent Order and AOC areas. Potentiometric surface maps will be developed as well as chromium and perchlorate in groundwater maps. The effect of changing the pumping rates of the recovery wells will be monitored, and responses (i.e., pump rate adjustments) will be made to ensure optimal drawdown and plume interception at the well fields. Pumping wells will be rehabilitated as necessary. The monitoring plan in current use will be modified, as necessary, to facilitate collection of pertinent data to track the progress of chromium and perchlorate capture at the well fields and the seep.

Some specific items to be completed over the next several quarters include the following:

- Tronox is committed to connecting the new recovery well in the Interceptor well field as well as "mining" groundwater from the three "dead zone" wells.
- As a filter is installed on the recharge trench water delivery system, the north trench will be placed into service.
- Wells M-83, M-85 and M-86 will be replaced during the upcoming Phase B fieldwork.
- Tronox will work to minimize the City of Henderson development effects on the Athens Road well field and to repair wells as needed. In order to capture more groundwater at the Athens Road well field recovery well ART-6 will be returned to service.
- Three monitor wells remain to be installed in the Seep well field as part of the Groundwater Capture Work Plan. This work will begin soon after an access agreement is signed.

Figures

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N

1 inch equals 2,000 feet
1:24,000
2,000 1,000 0
Feet

INSET B

ARP-1 ARP-2 MW-K4 ARP-4A ARP-5A ARP-6B ARP-7
ART-2, 2A ART-1, 1A PC-135 PC-134 PC-55 PC-18 ART-4, 4A ART-3, 3A ART-8, 8A PC-17 L-635
ART-5 ART-6 ART-9 PC-122 PC-12 ART-7, 7A
500 250 0 Feet

INSET C

PC-97 PC-117 PC-121 PC-119 PC-90 PC-116R PC-133 PC-120 PC-118 PC-99R2/R3 PC-91 PC-115R
500 250 0 Feet

Las Vegas Wash
SEEP PUMPING STATION
INSET C
SEEP WF
PC-86 PC-68 PC-62 PC-59 PC-60 PC-56 PC-58
ATHENS ROAD WF
INSET B
PITTMAN LATERAL
T. 21 S.
T. 22 S.
L-637 L-635 PC-123
PC-132 PC-130 PC-128 PC-126 PC-124 PC-131 PC-129 PC-127 PC-125
R62 E
R63 E
Sunset Road
Pabco Road
PC-73 PC-71 M-95 M-96 PC-72 M-44 PC-37 PC-54
M-23 M-48 M-6A M-7B M-98 M-99 M-101 M-102 M-100
BARRIER WALL
RECHARGE TRENCHES
M-5A M-135 M-57A
INTERCEPTOR WF
INSET A (SEE FIGURE 2)
M-14A M-17A M-34 M-35 M-115 M-76 M-50 M-32 M-31A M-97 M-93 M-92 M-12A M-11 M-10
Boulder Highway
Lake Mead Parkway
PC-103 MW-K5 PC-53 PC-98R

25 30 31 36 35 34 1 2 3 6 7 10 11 12 13 14 15

LEGEND

- Sampled Monitor Well
- Seep Pumping Station

LAND OWNERSHIP

- BMI
- Chemstar
- Pioneer
- Timet
- Tronox

R62E R63E

FIGURE NUMBER:	SHEET NUMBER:
1	1

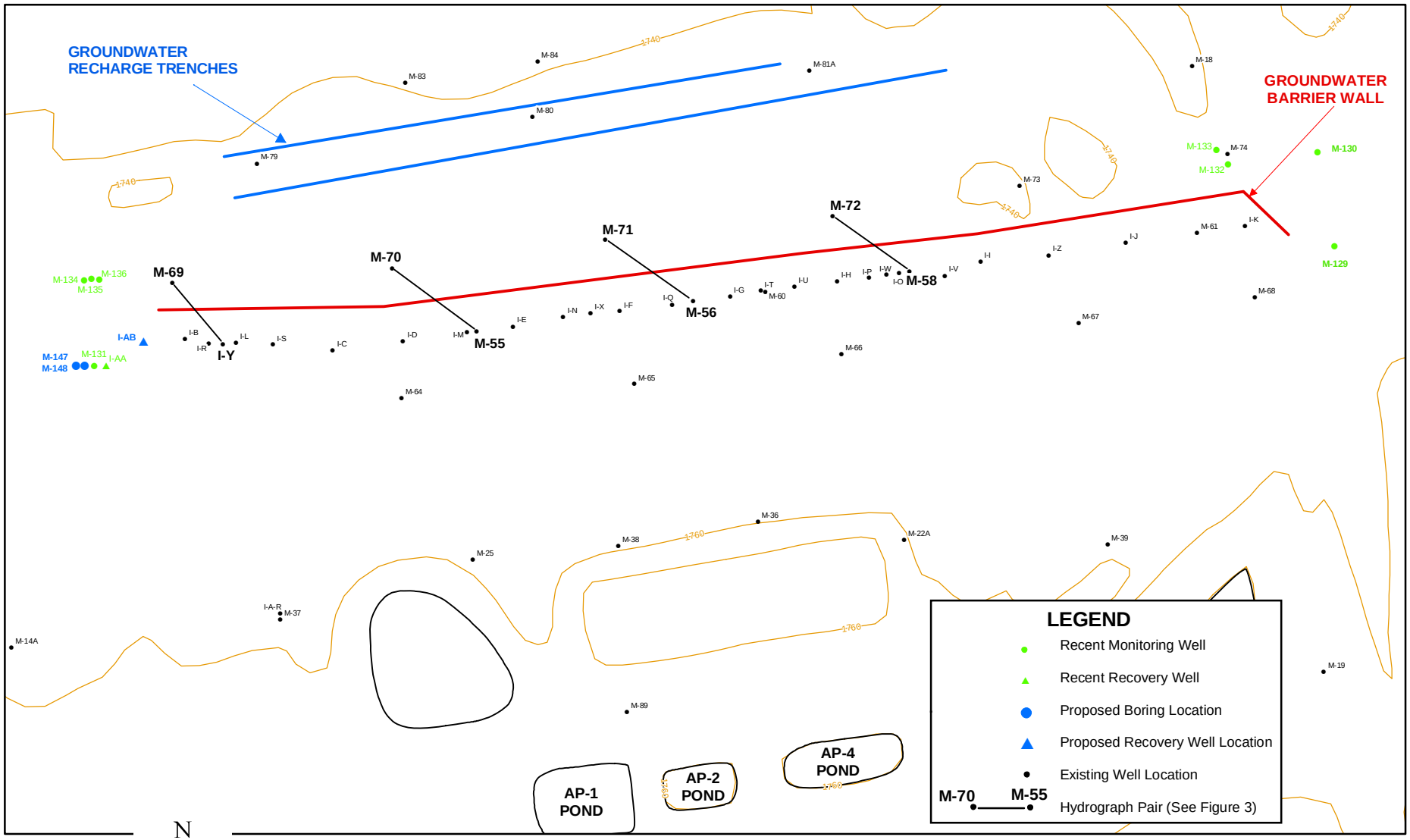
LOCATION MAP

Semi-Annual Remedial Performance Report
Tronox Facility
Henderson, Nevada

SCALE:	DATE:	PROJECT NUMBER:
1" = 2,000'	2/13/2009	04020-023-110

AECOM
1220 AVENIDA ACASO
CAMARILLO, CALIFORNIA 93012
PHONE: (805) 388-3775
FAX: (805) 388-3577

DESIGNED BY:	REVISIONS:			
E. Krish	NO:	DESCRIPTION:	DATE:	BY:
DRAWN BY:				
M. Scop				
CHECKED BY:				
E. Krish				
APPROVED BY:				
S. Bilodeau				



ENSR | AECOM
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GROUNDWATER WELLS INSTALLED AND PROPOSED AT THE INTERCEPTOR WELL FIELD

Semi-Annual Remedial Performance Report
Tronox Facility
Henderson, Nevada

FIGURE NUMBER: 2

DRAWN BY:	DATE:	PROJECT NUMBER:	SHEET NUMBER:
M. Scop	2/13/2009	04020-023-110	X

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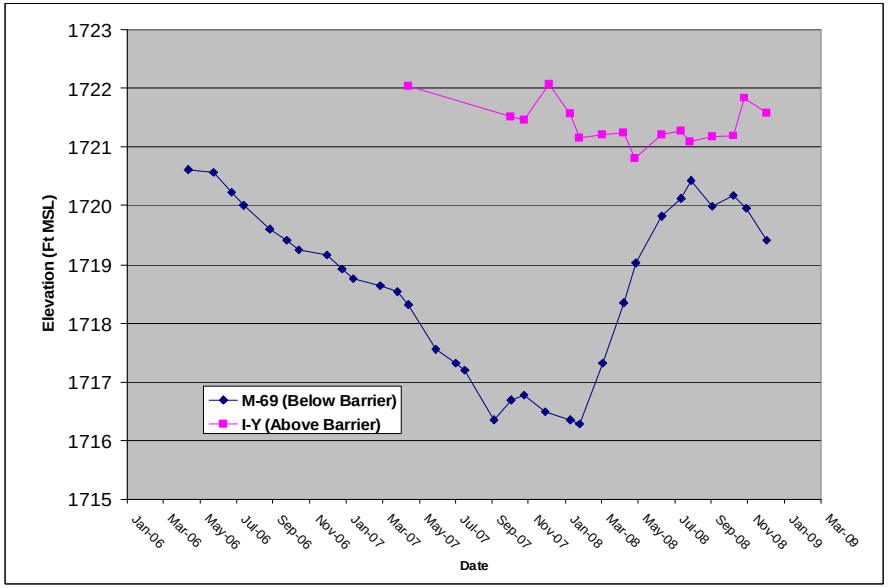
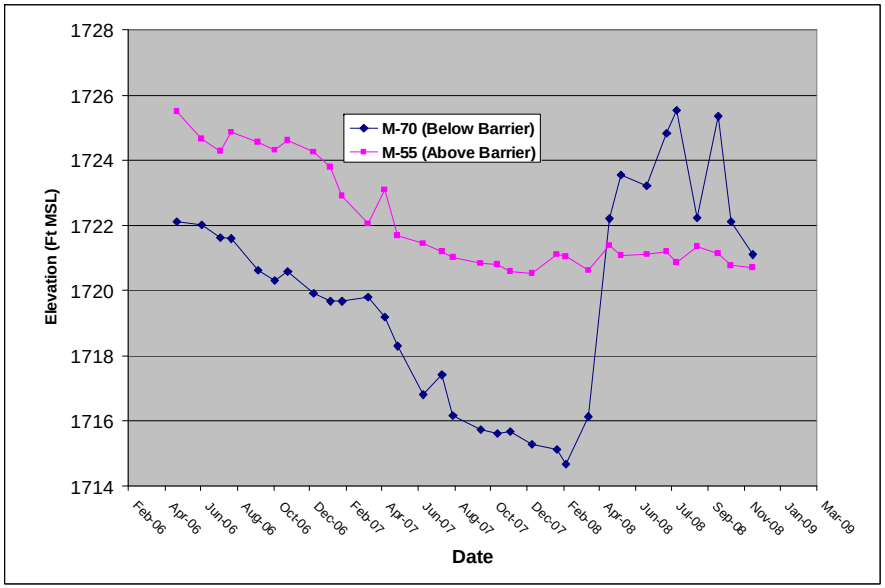
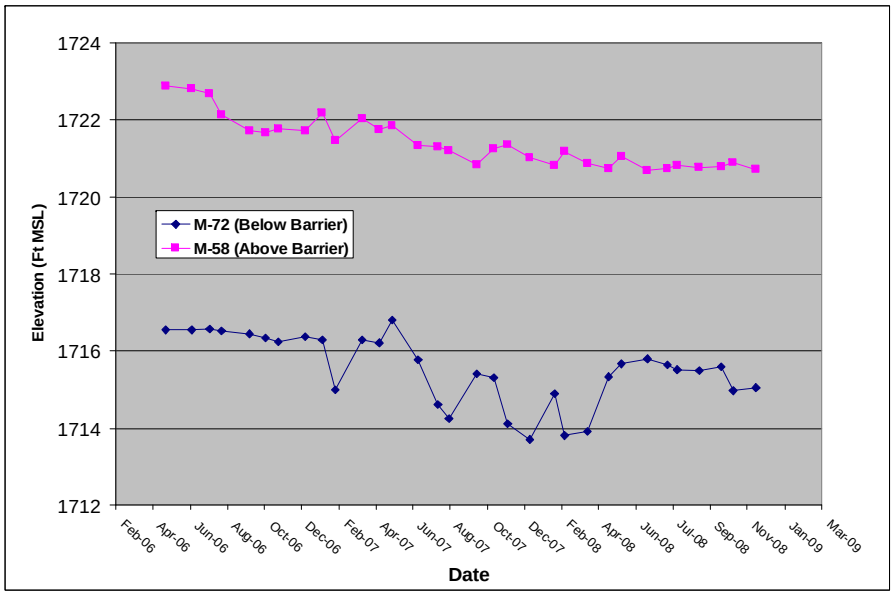
Figure 3: Hydrograph Pairs across the Barrier Wall

Tronox LLC, Henderson, Nevada







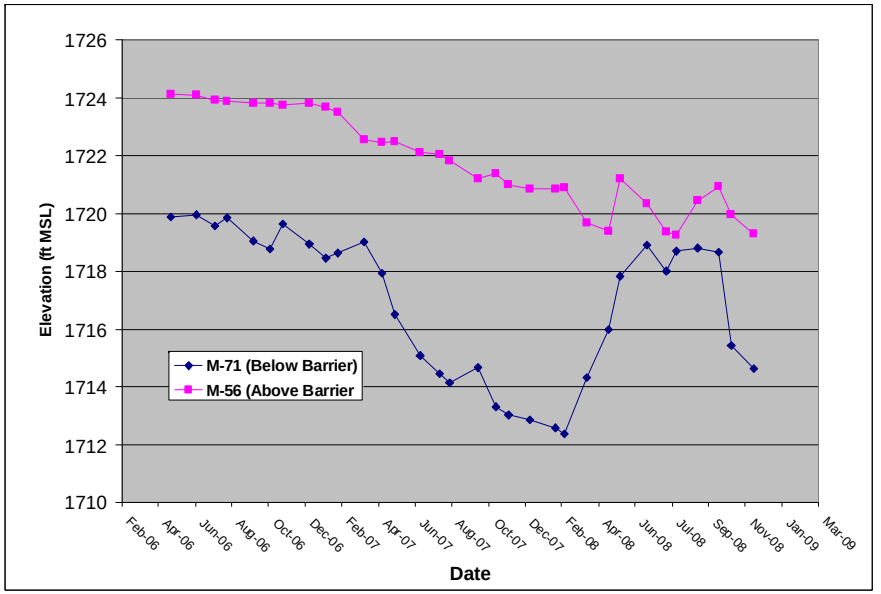


Figure 4: Athens Road well Field Drawdown

Tronox LLC, Henderson, Nevada

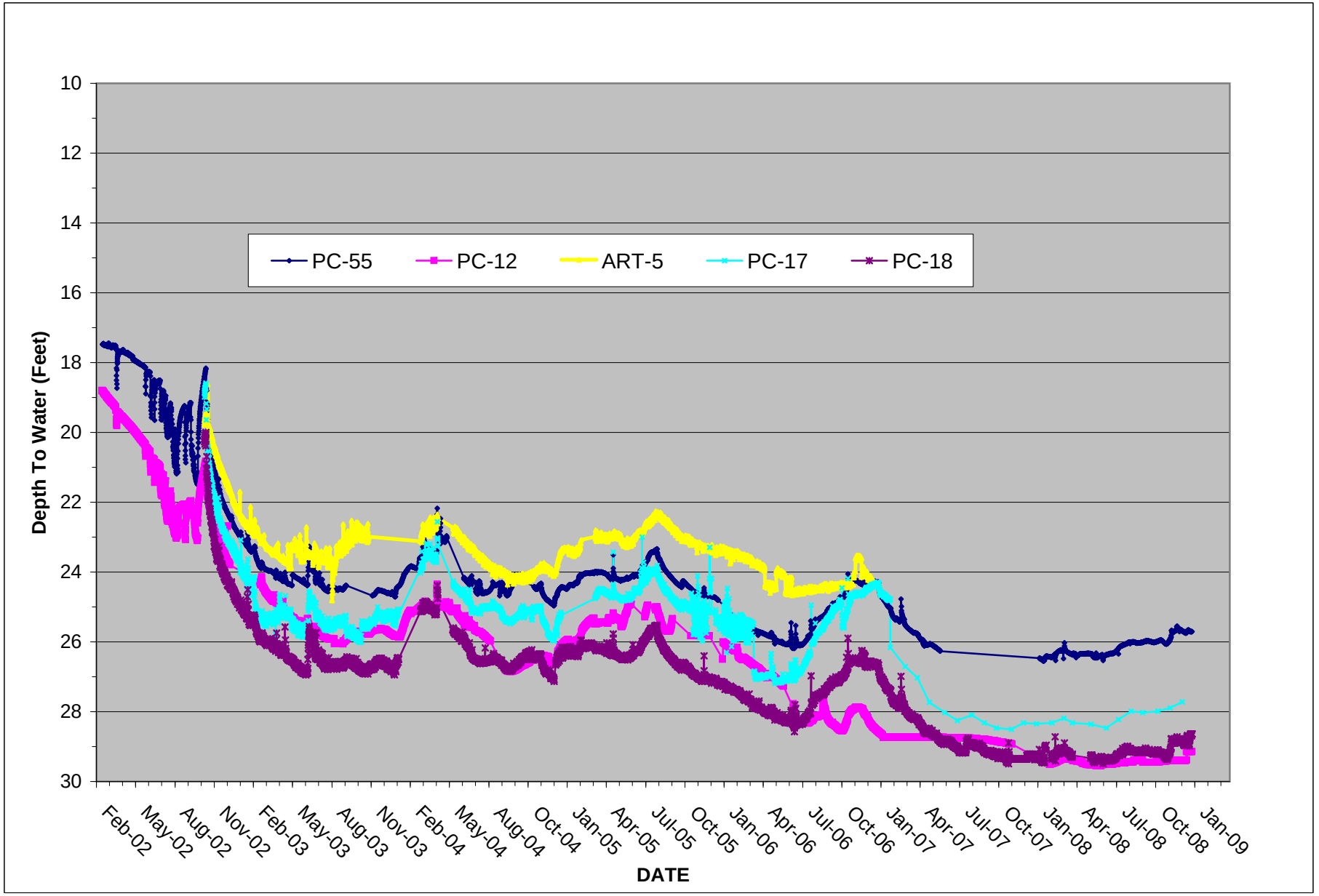


Figure 5: City of Henderson WRF Well MW-K5 Hydrograph

Tronox LLC, Henderson, Nevada

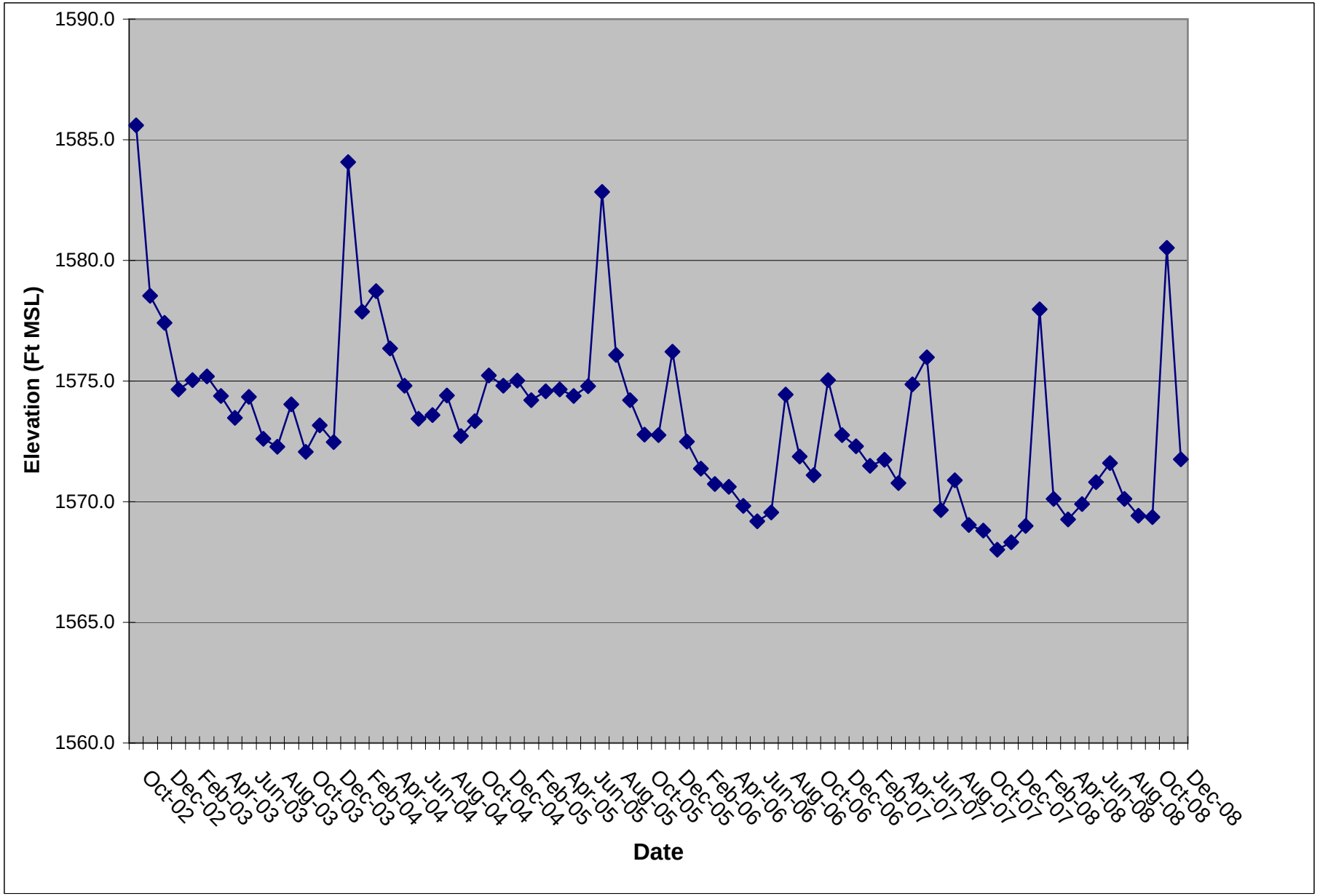


Figure 6: Hydrograph Pair PC-58 and PC-91

Tronox LLC, Henderson, Nevada

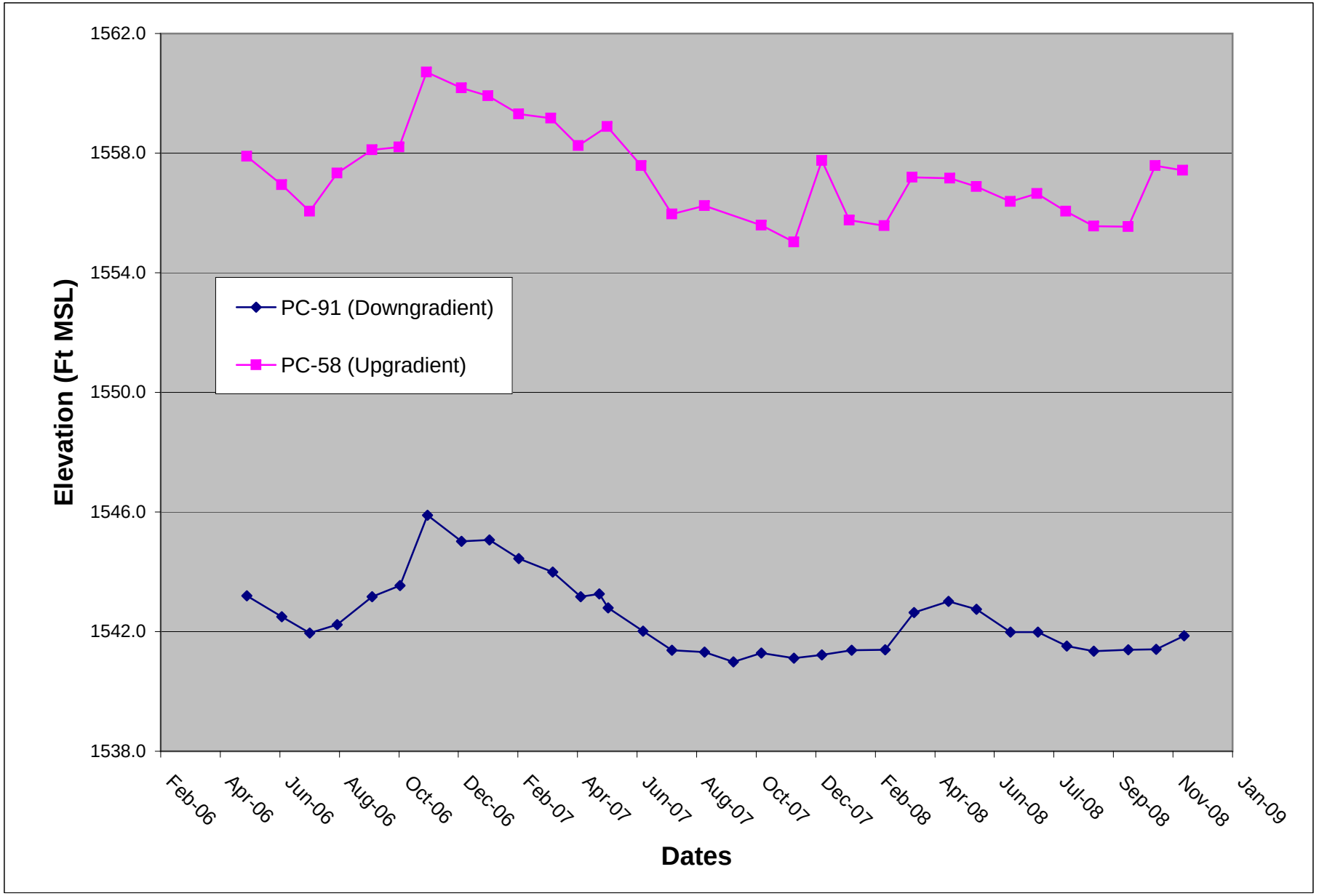
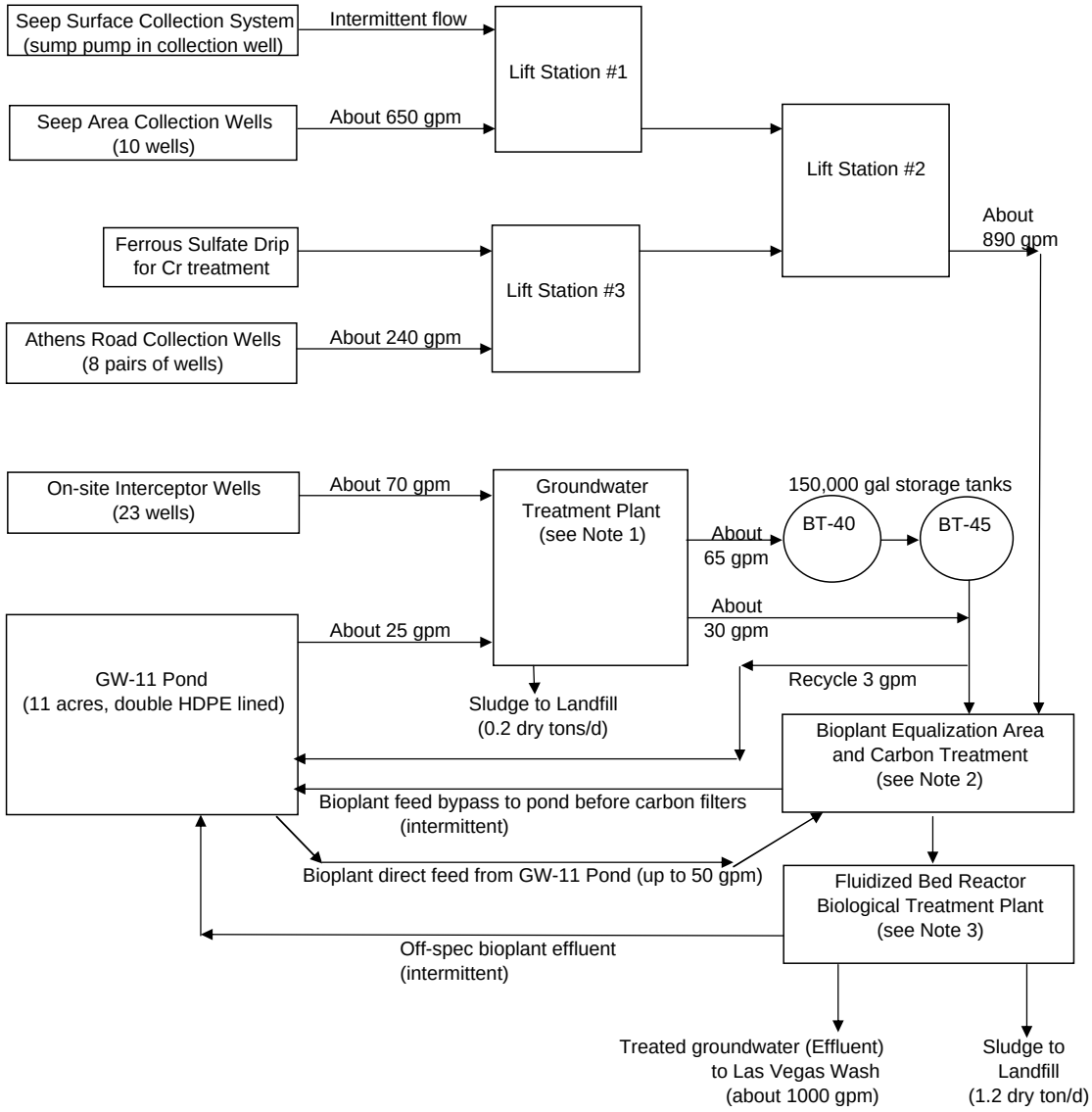


Figure 7
Tronox Henderson Groundwater Treatment Block Flow Diagram
Tronox LLC, Henderson, Nevada

Last modified 12/31/2008



Notes:

1) Ferrous sulfate added for chromium removal. Clarifier settles solids. Sludge is removed and landfilled.
2) Two 12,000 gallon tanks plus three activated carbon vessels to remove organics which could harm bacteria, followed by cartridge filters.
3) Five 33,000 gallon primary reactors, four 28,800 gallon secondary reactors, aeration, dissolved air flotation, UV disinfection, two plate and frame filter presses, and a sand filter.
4) Bioplant feed is sampled after cartridge filters (note 2) and effluent is sampled at the discharge to Las Vegas Wash.

Figure 8: Interceptor Well Field Total Chromium Section Graph

Tronox LLC, Henderson, Nevada

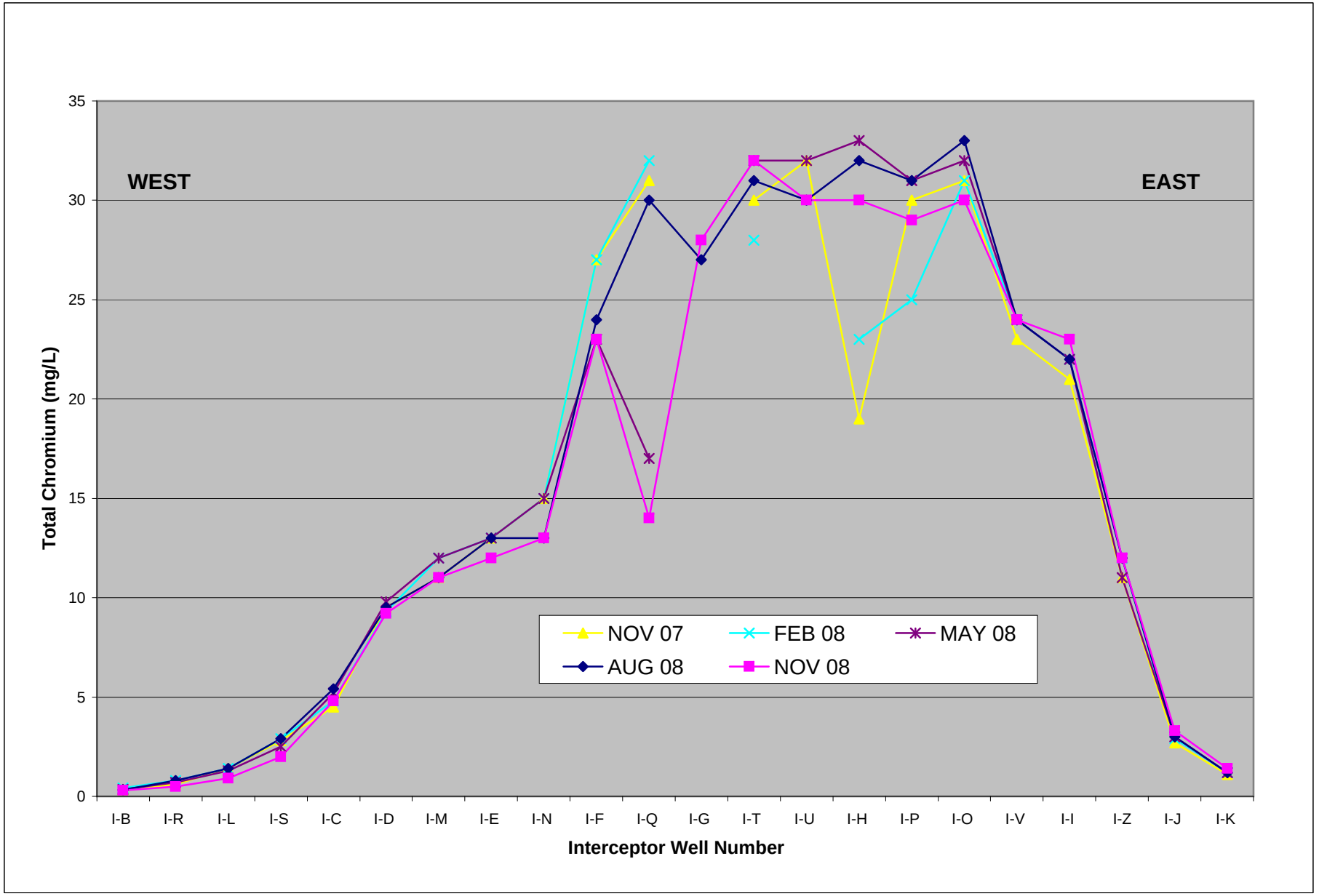


Figure 9: Consent Order Appendix J Wells Total Chromium Concentration Trend Graph

Tronox LLC, Henderson, Nevada

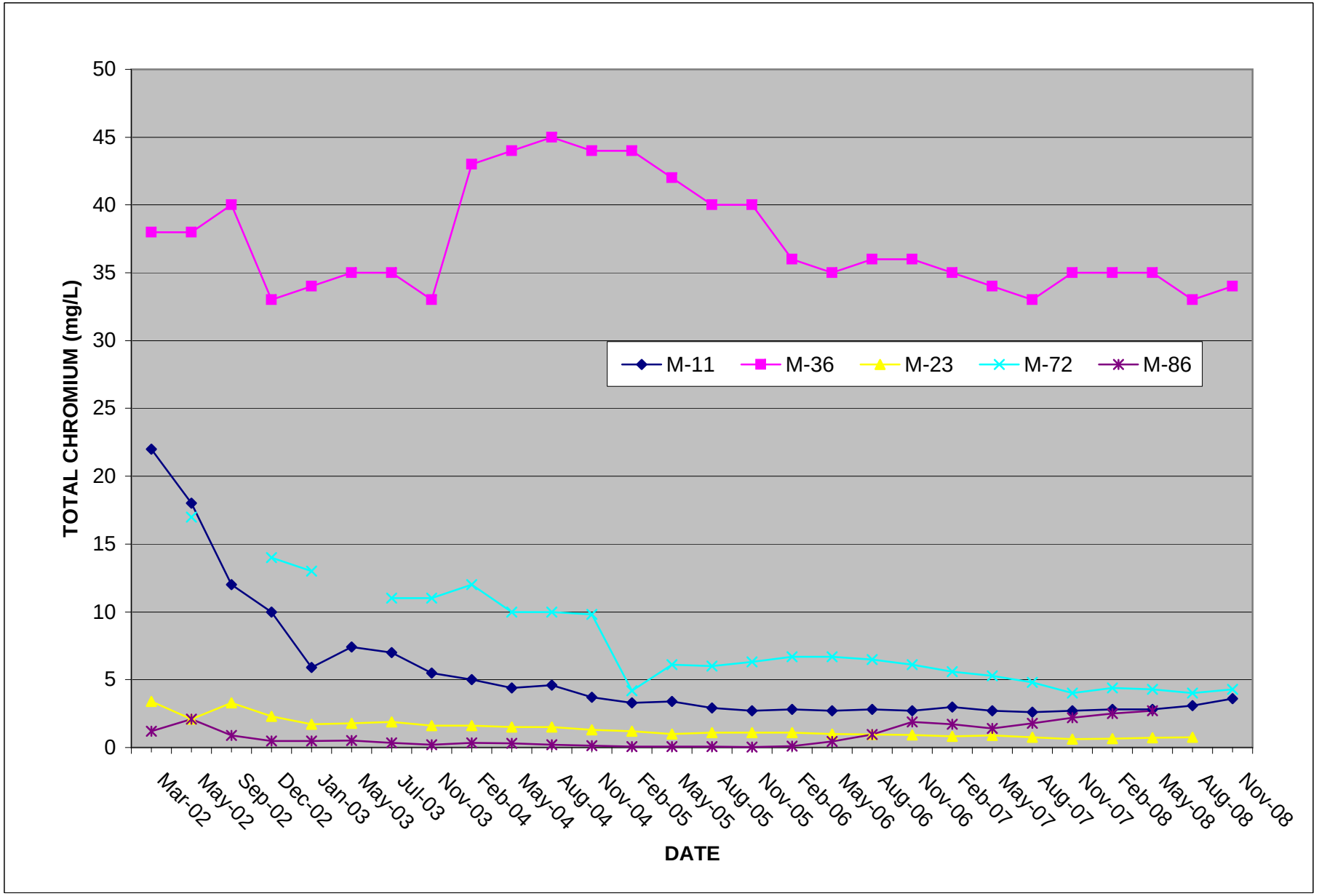


Figure 10: Athens Road Well Field Chromium Section Graph

Tronox LLC, Henderson, Nevada

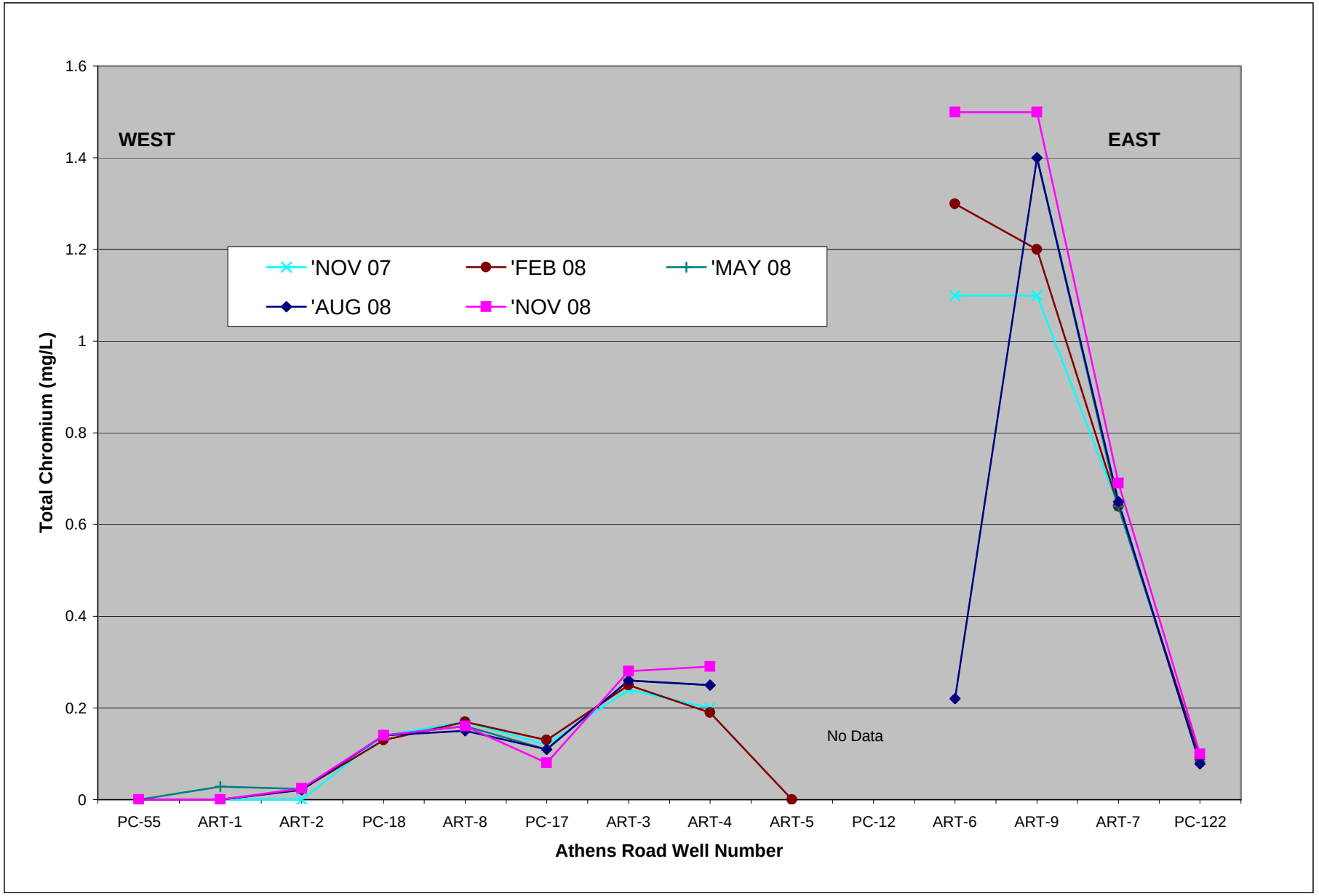


Figure 11: Perchlorate Removed from the Environment July - December 2008

Tronox LLC, Henderson, Nevada

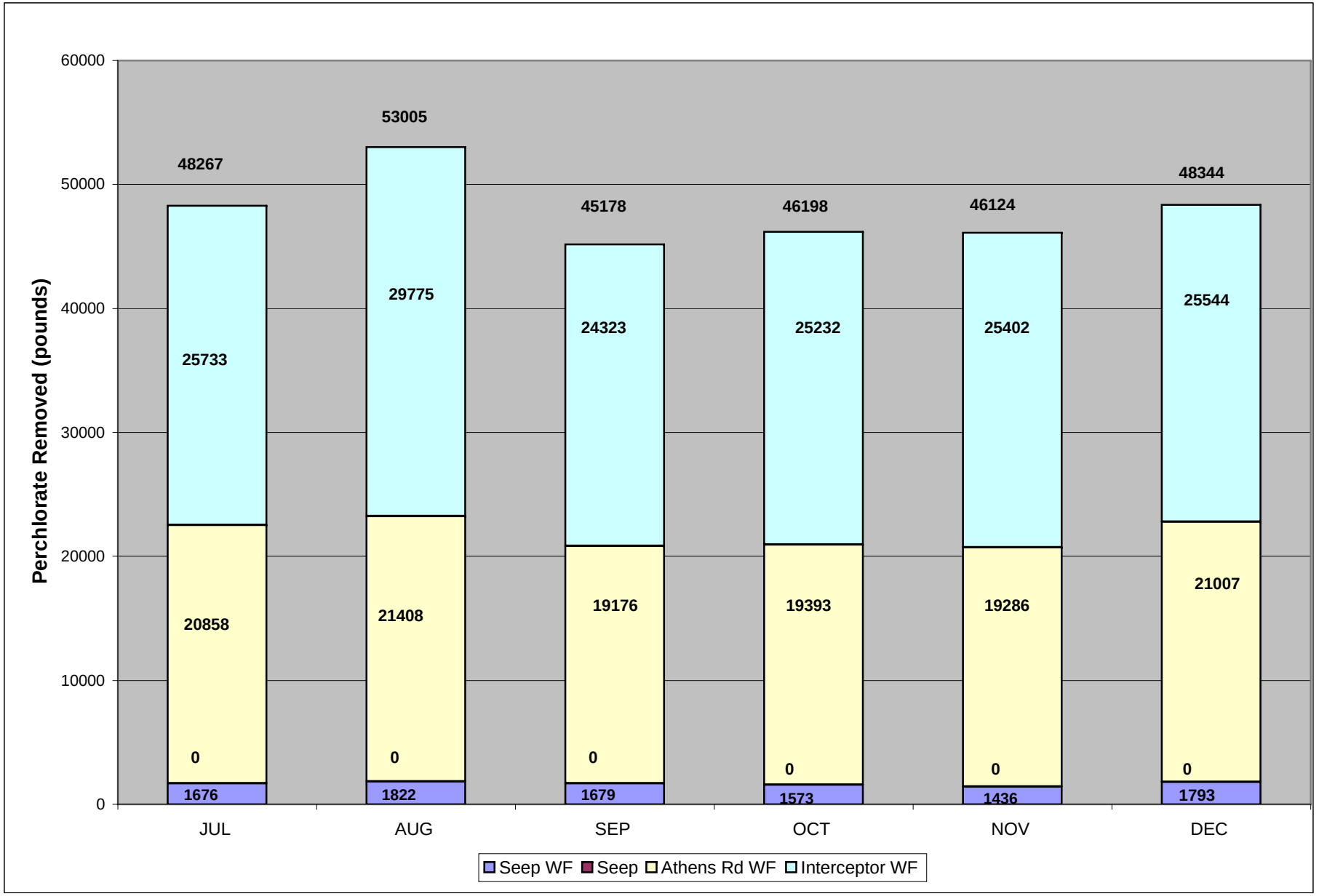


Figure 12: Interceptor Well Field Perchlorate Concentration Section Graph

Tronox LLC, Henderson, Nevada

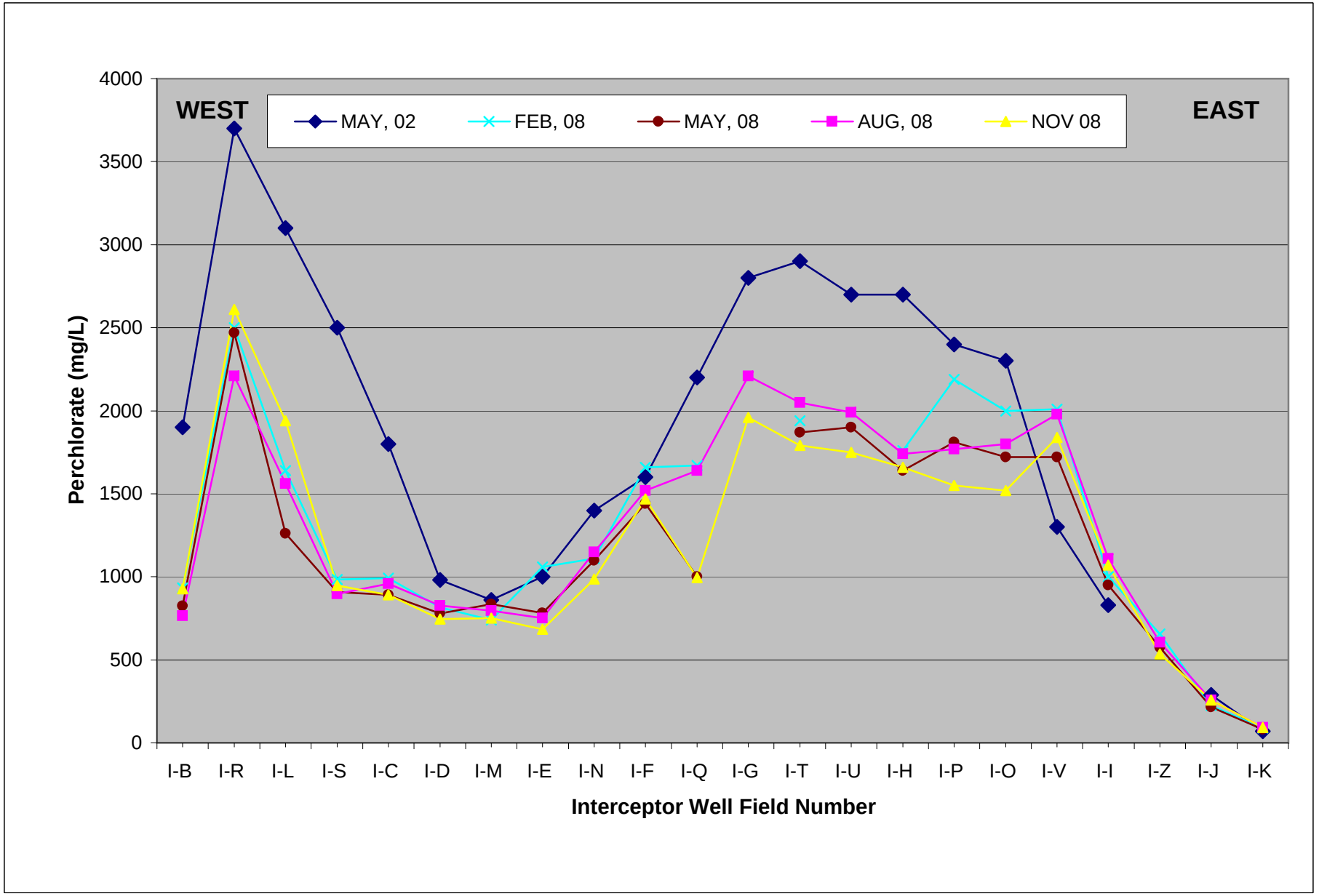


Figure 13: Interceptor Well Field Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

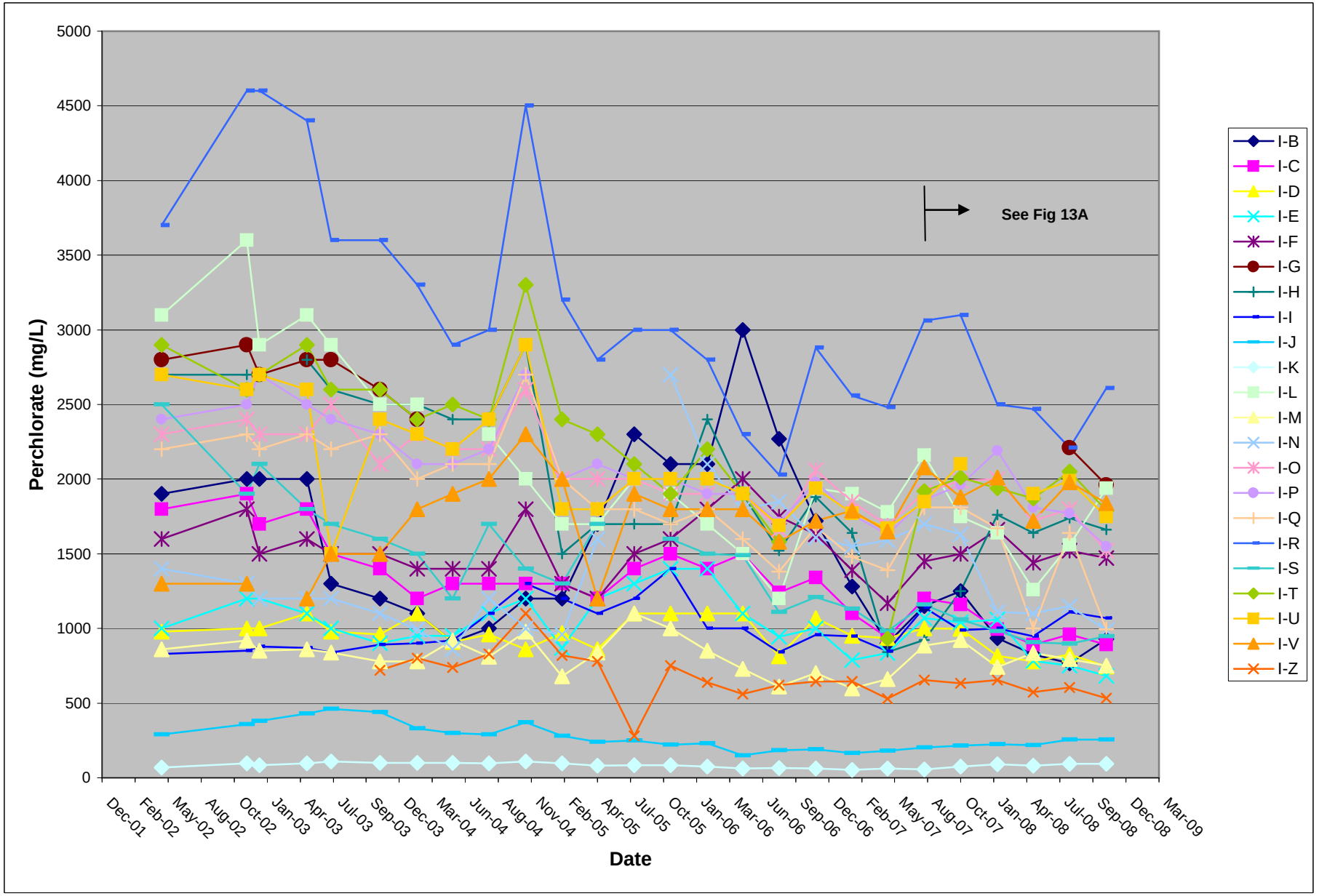


Figure 13A: Interceptor Well Field Perchlorate Concentration Trend Graph, Aug 2007 - Nov 2008

Tronox LLC, Henderson, Nevada

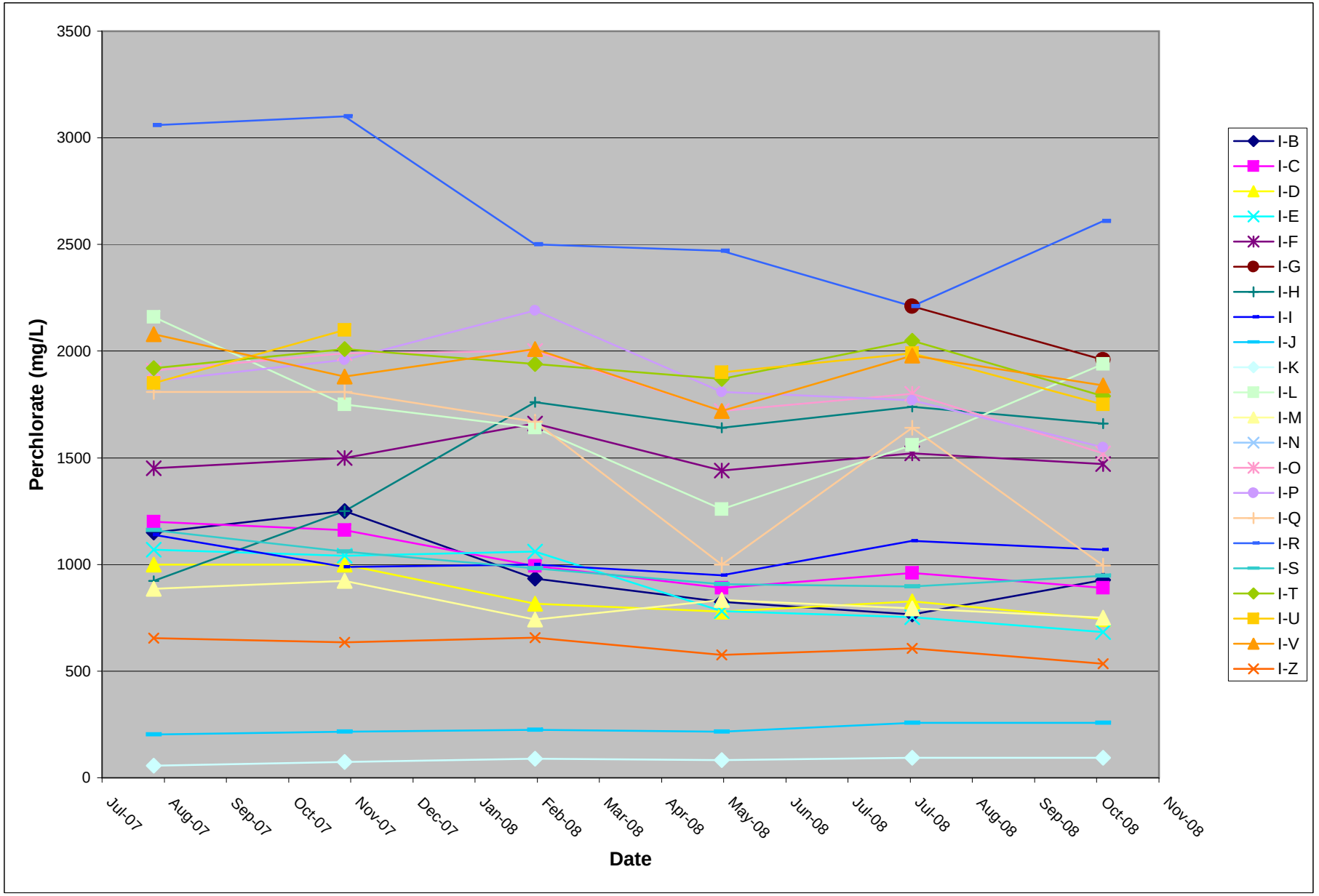


Figure 14: Interceptor Well Field Total Dissolved Solids Section Graph

Tronox LLC, Henderson, Nevada

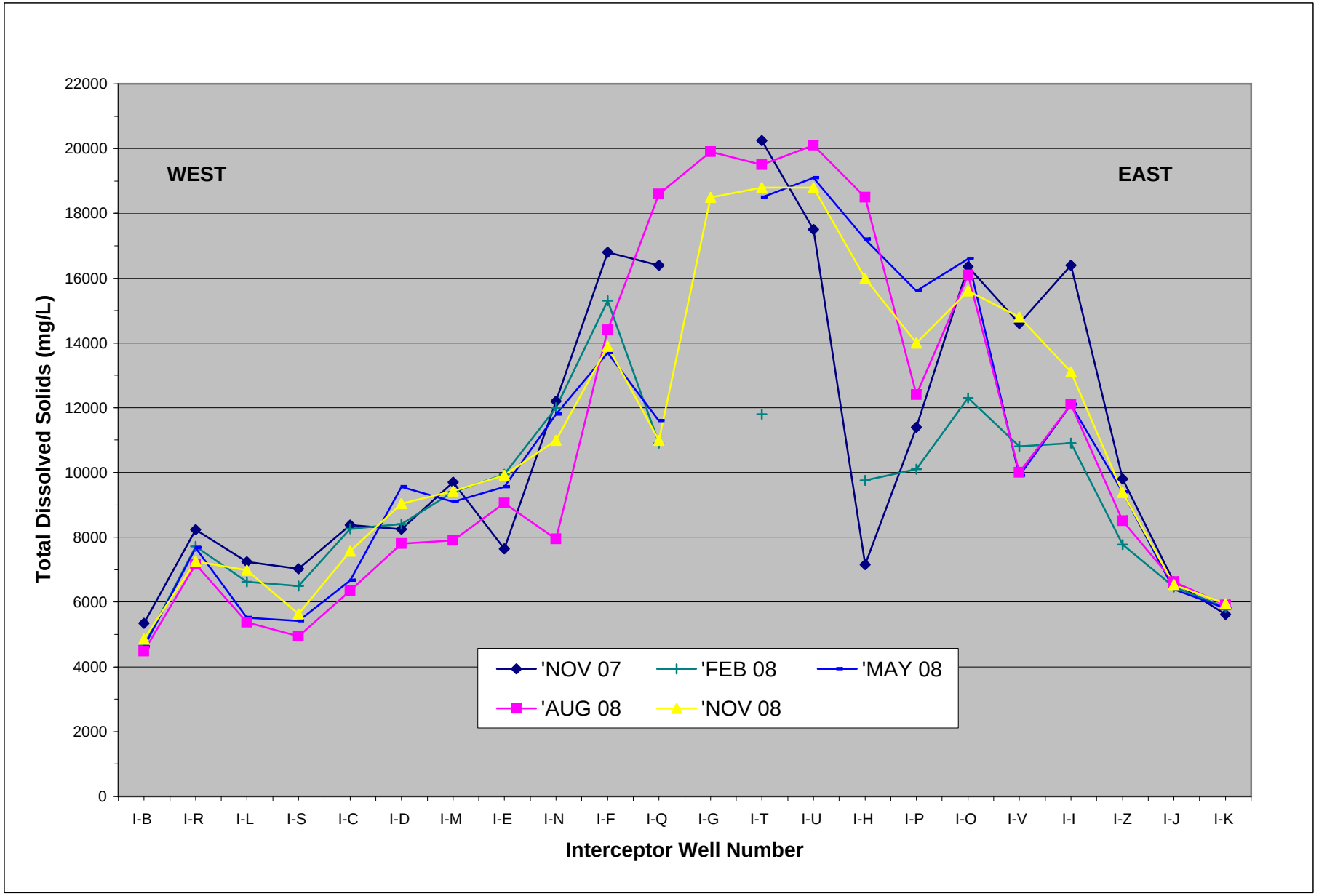


Figure 15: Interceptor Well Field Average Perchlorate Concentration and Mass Removed

Tronox LLC, Henderson, Nevada

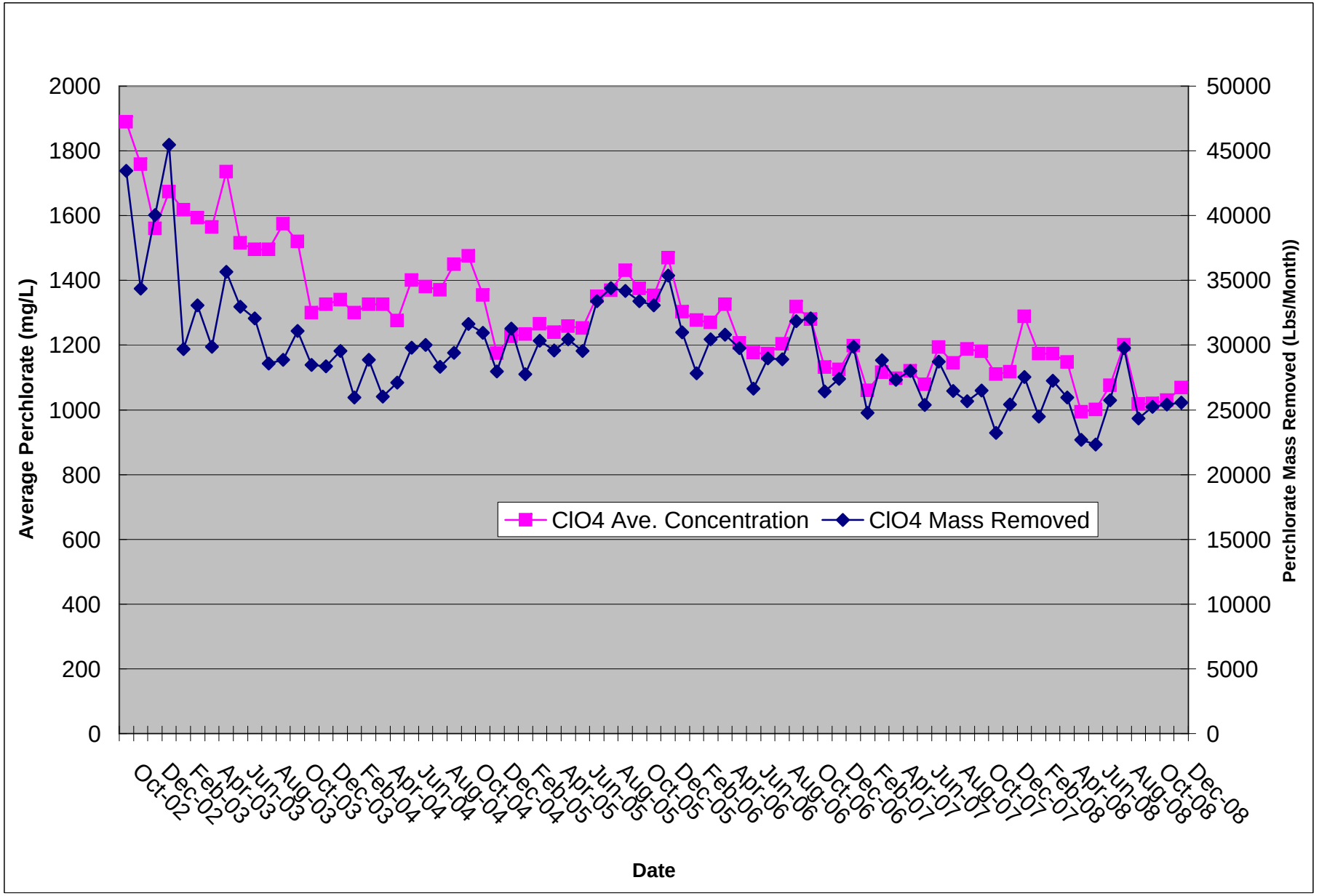


Figure 16: Well M-100 Perchlorate Concentration vs. Water Elevation Trend Graph

Tronox LLC, Henderson, Nevada

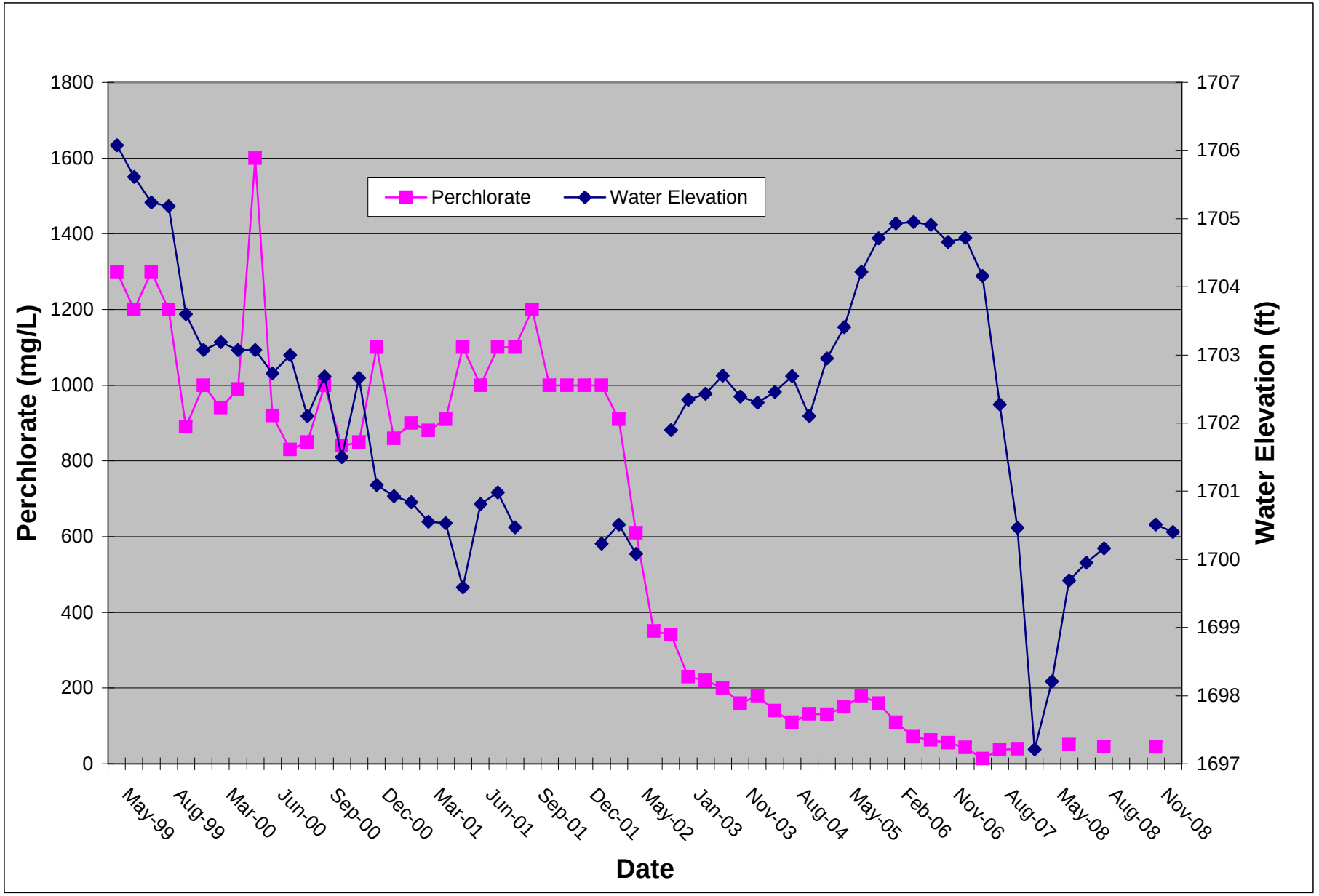


Figure 17: Athens Road Well Field Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

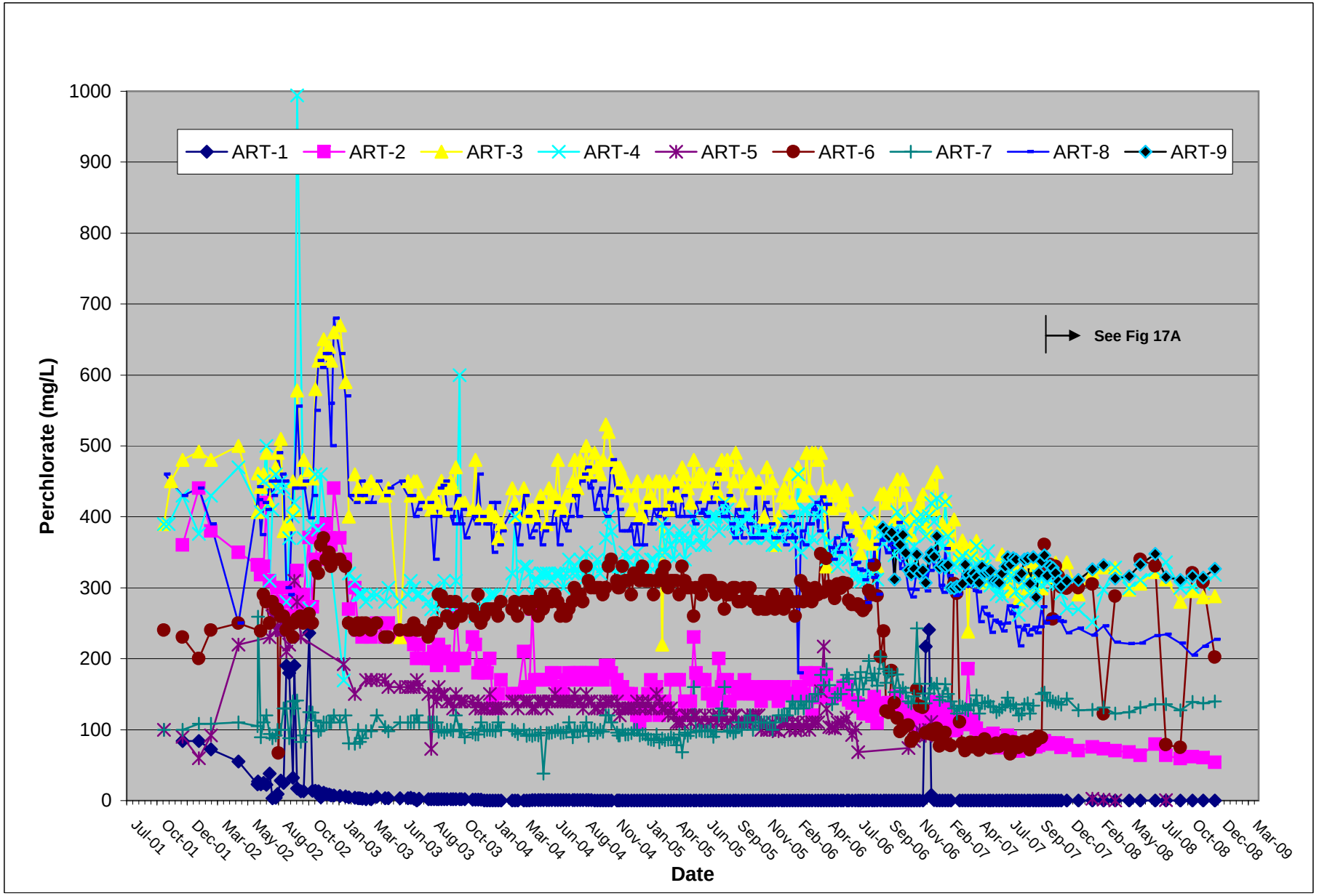


Figure 17A: Athens Road Well Field Perchlorate Concentration Trend Graph, Oct 2007 - Dec 2008

Tronox LLC, Henderson, Nevada

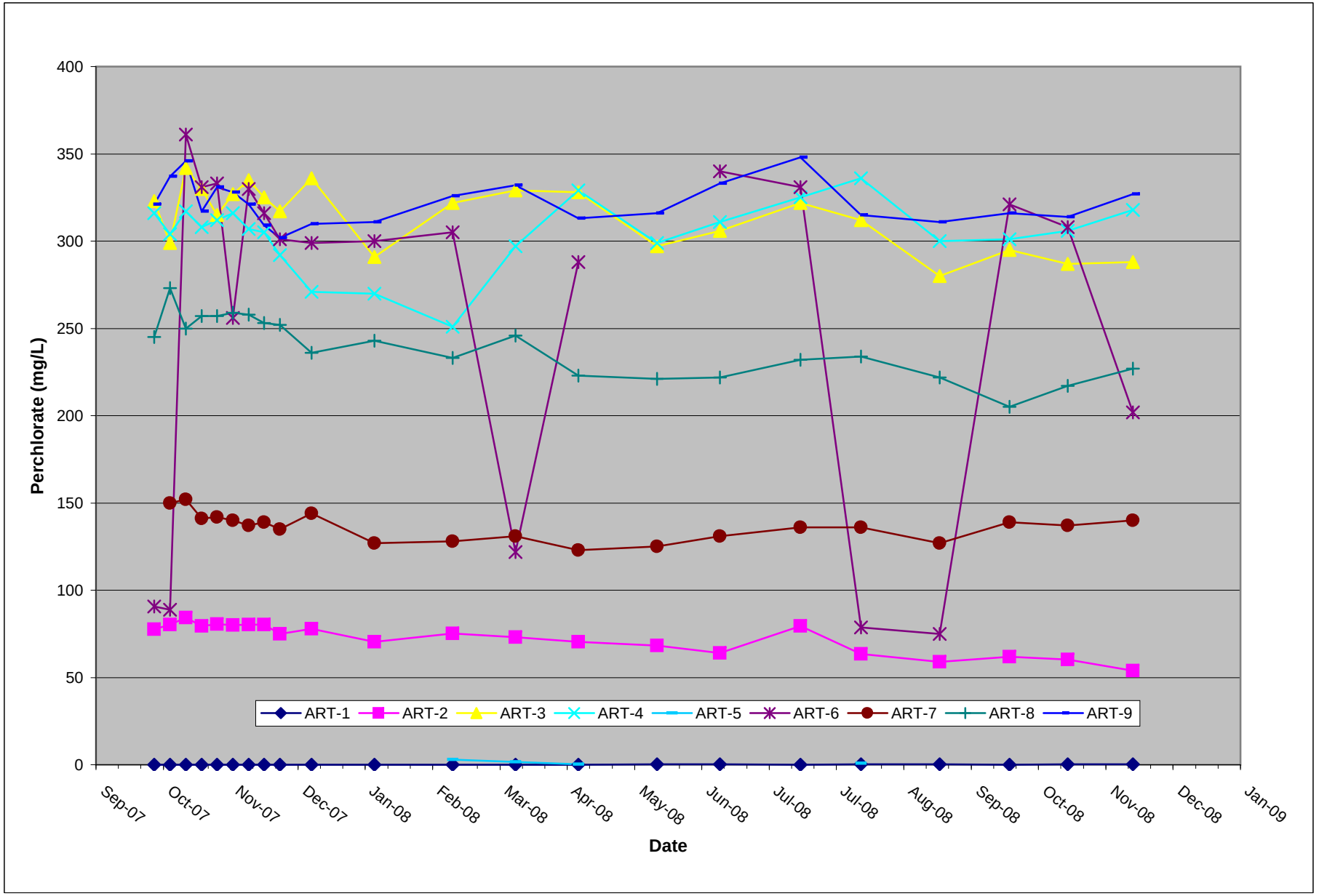


Figure 18: Athens Road Well Field Perchlorate Concentration Section Graph

Tronox LLC, Henderson, Nevada

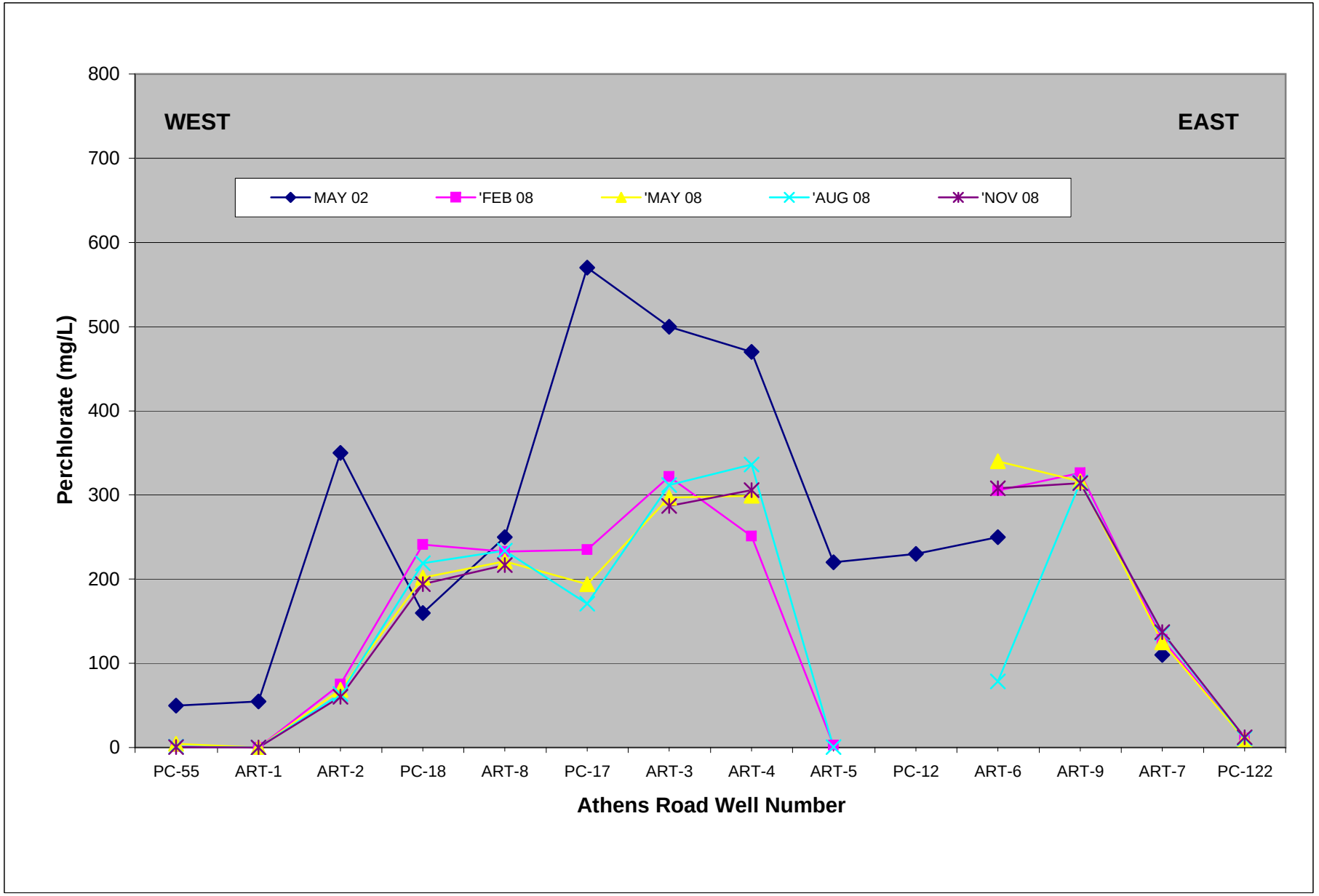


Figure 19: Athens Road Well Field Average Perchlorate Concentration in ART-8 and Mass Removed

Tronox LLC, Henderson, Nevada

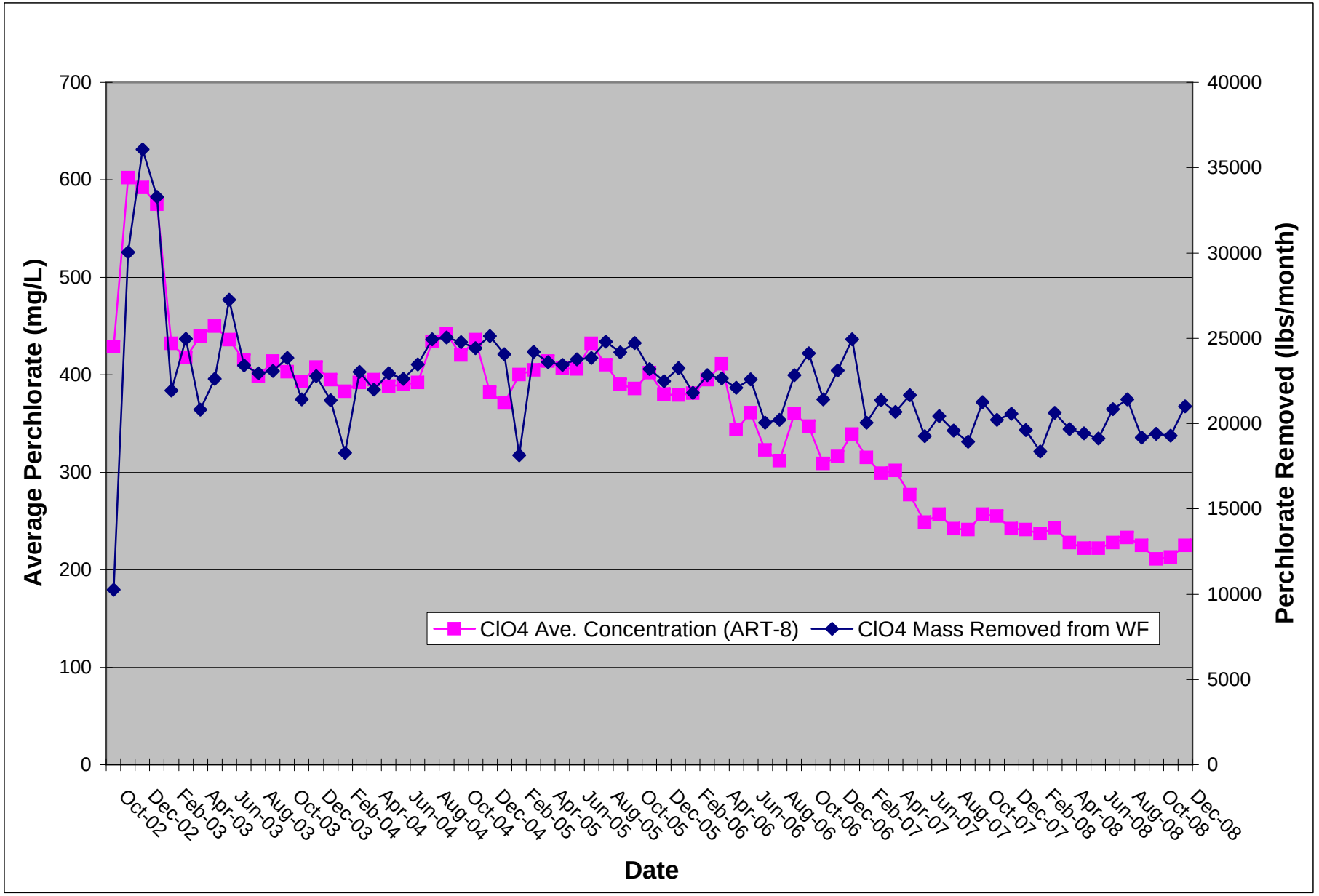


Figure 20: Athens Road Well Field Total Dissolved Solids Section Graph

Tronox LLC, Henderson, Nevada

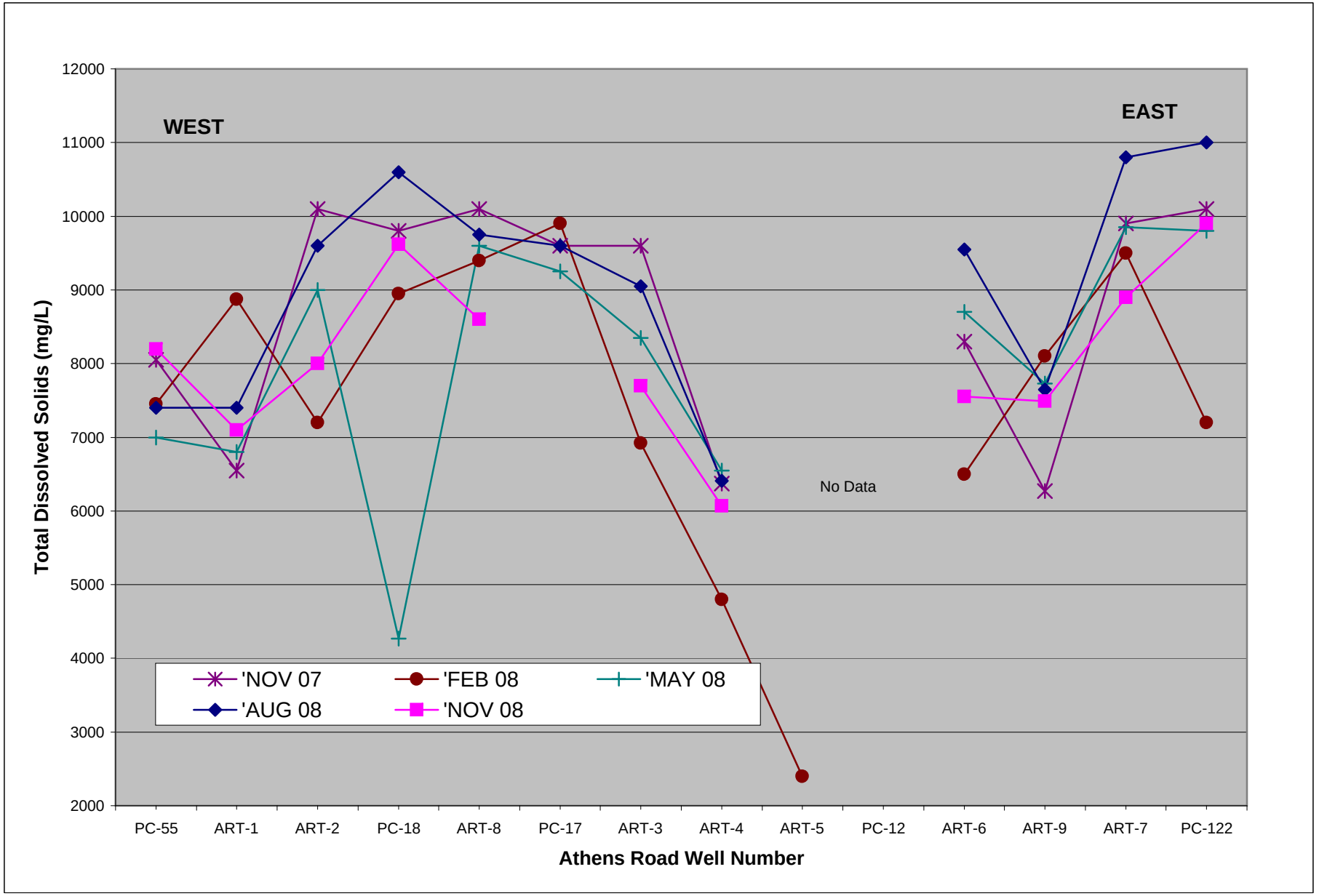


Figure 21: Athens Road Piezometer Well Line Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

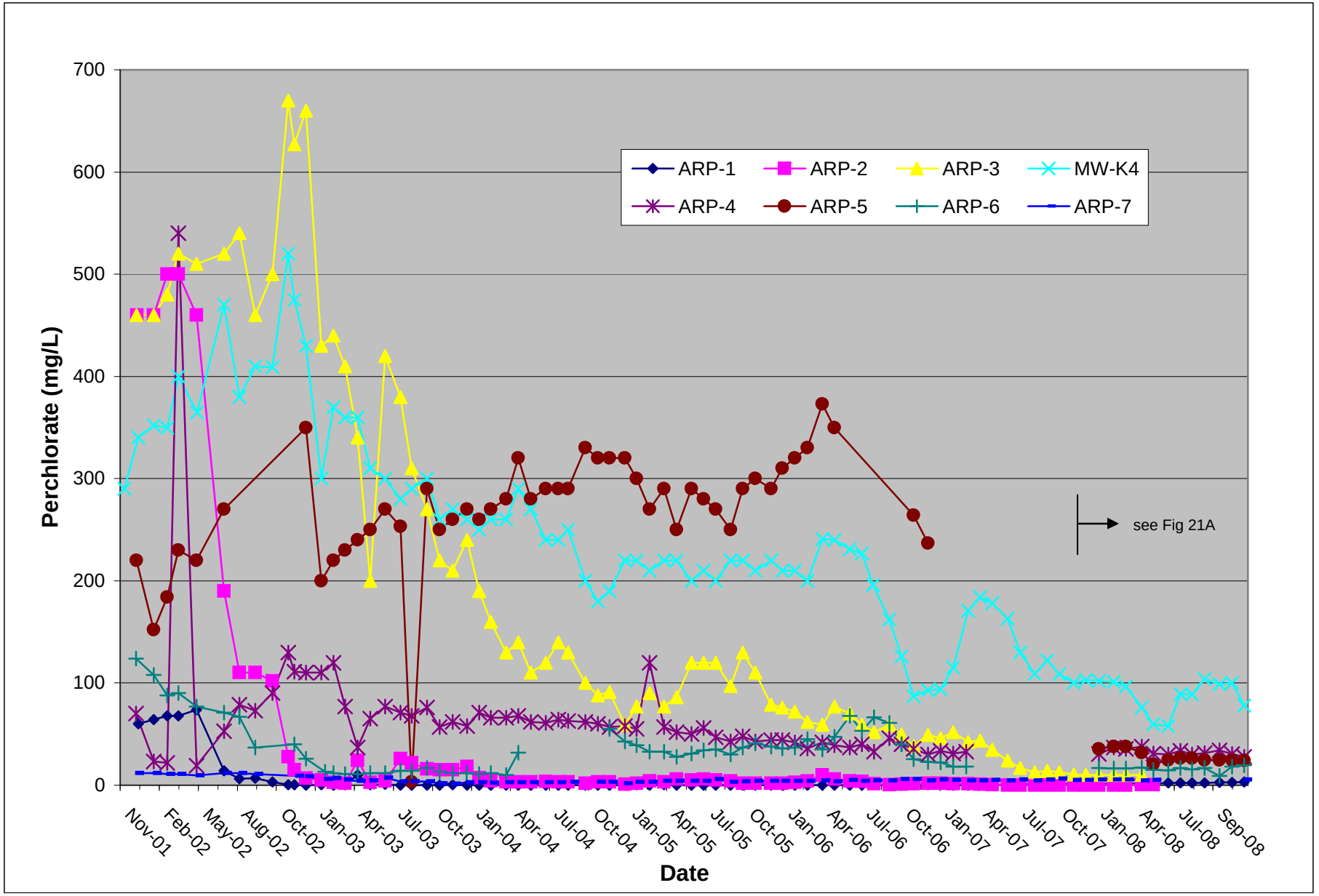


Figure 21A: Athens Road Piezometer Wells Perchlorate Concentration Trend Graph, Oct 2007 - Dec 2008

Tronox LLC, Henderson, Nevada

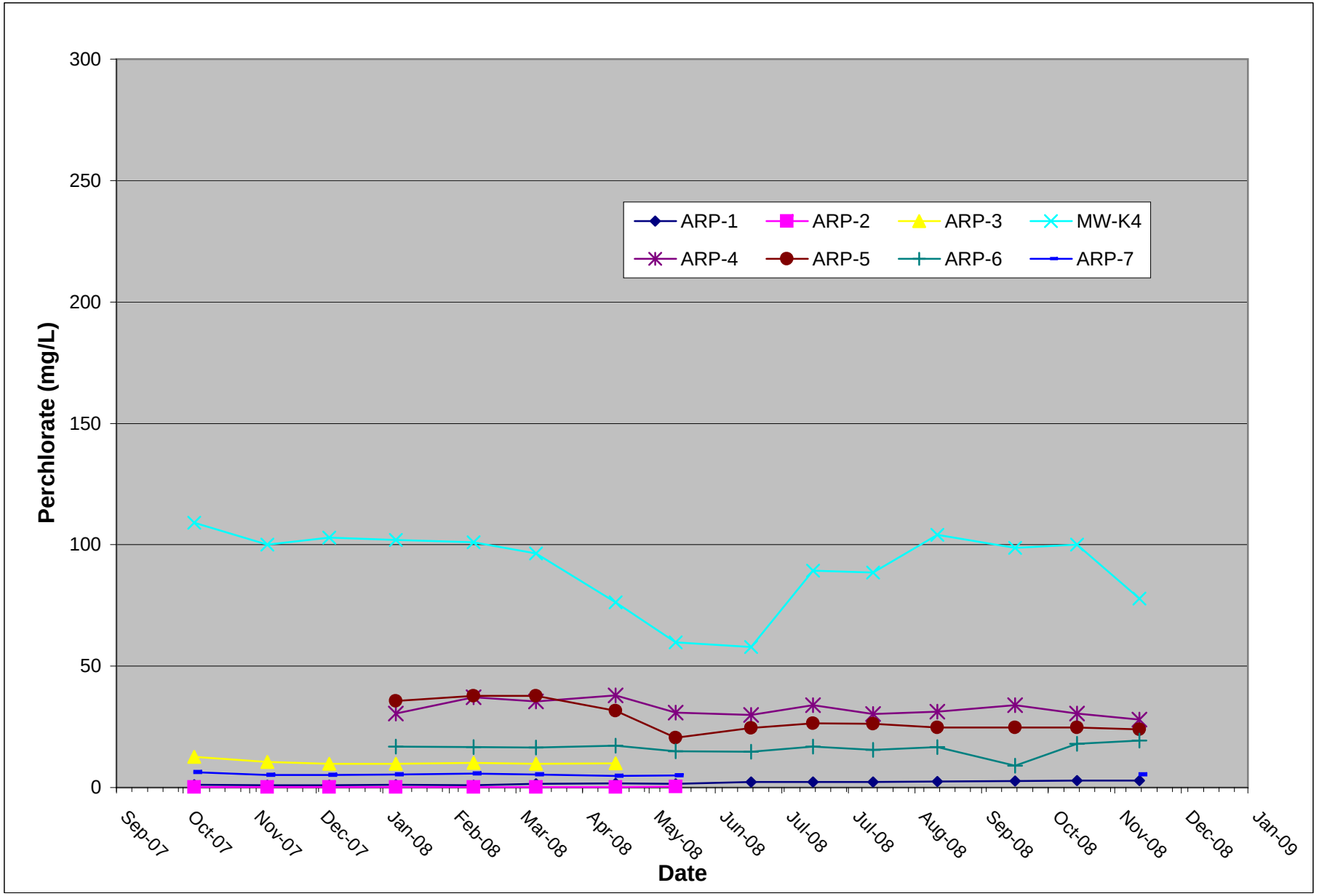


Figure 22: Athens Road Piezometer Well Line Perchlorate Section Graph

Tronox LLC, Henderson, Nevada

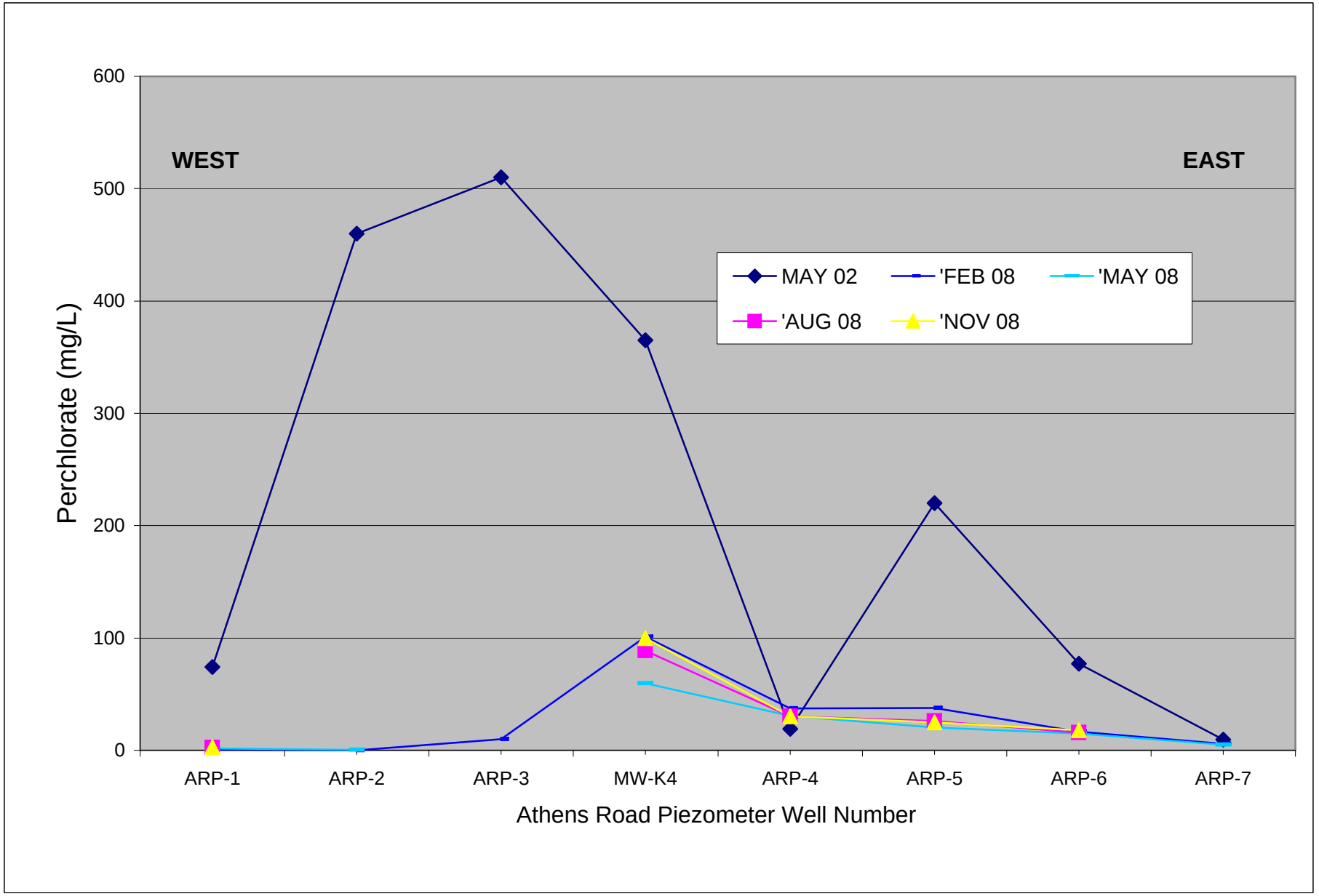


Figure 23: City of Henderson WRF Well Line Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

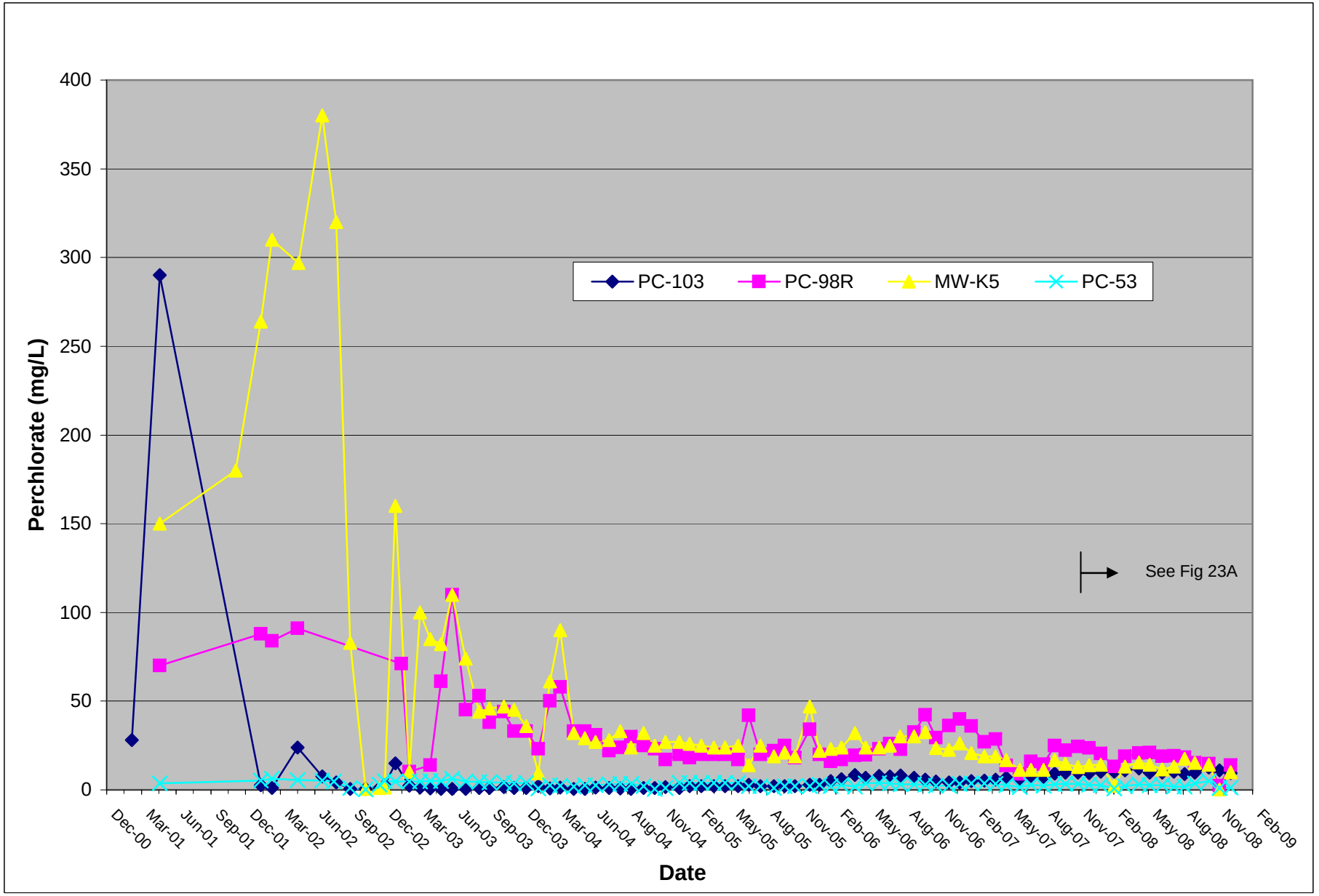


Figure 23A: COH WRF Well Line Perchlorate Concentration Graph, Oct 2007 - Dec 2008

Tronox LLC, Henderson, Nevada

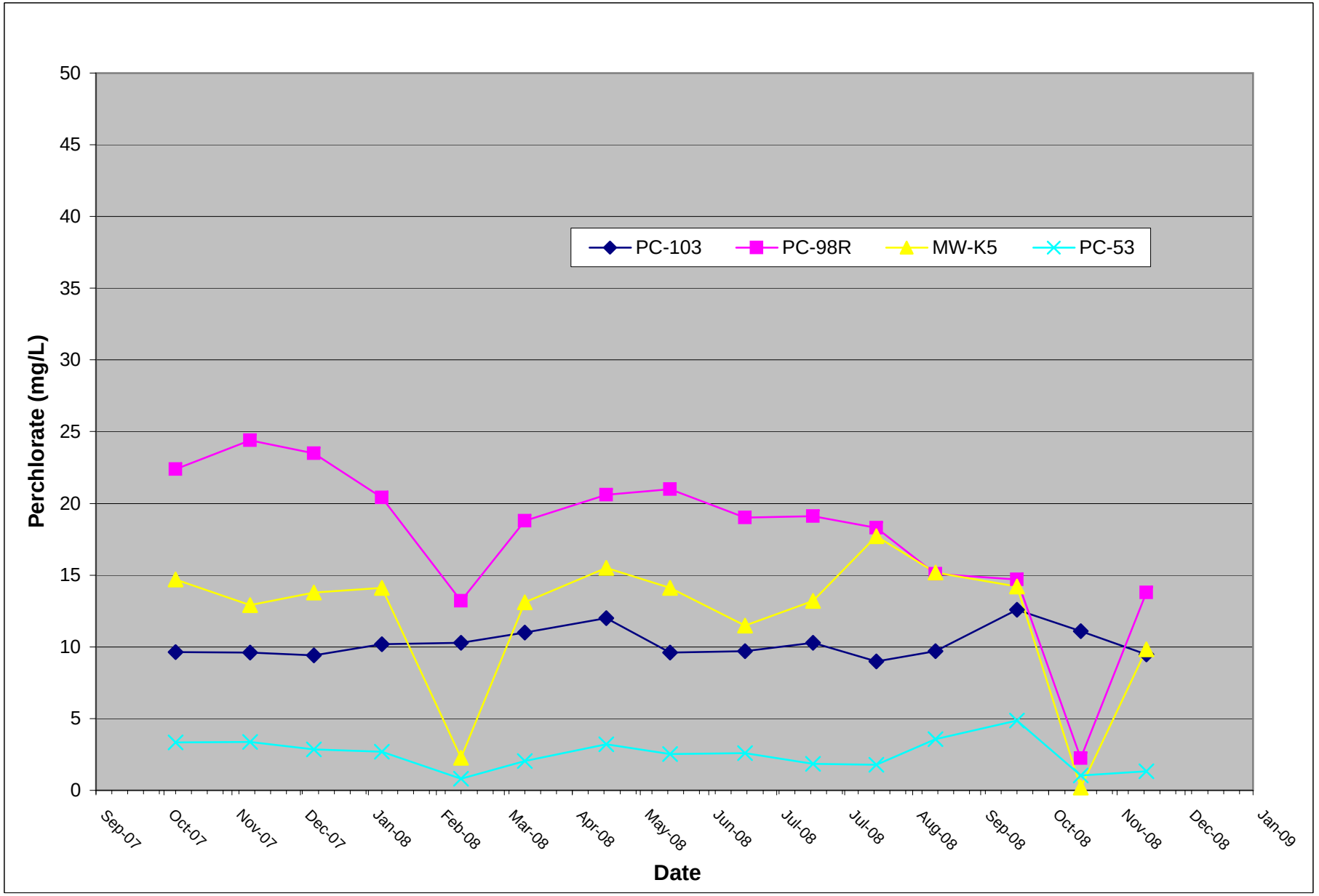


Figure 24: Well PC-98R Perchlorate Concentration vs. Water Elevation Trend Graph

Tronox LLC, Henderson, Nevada

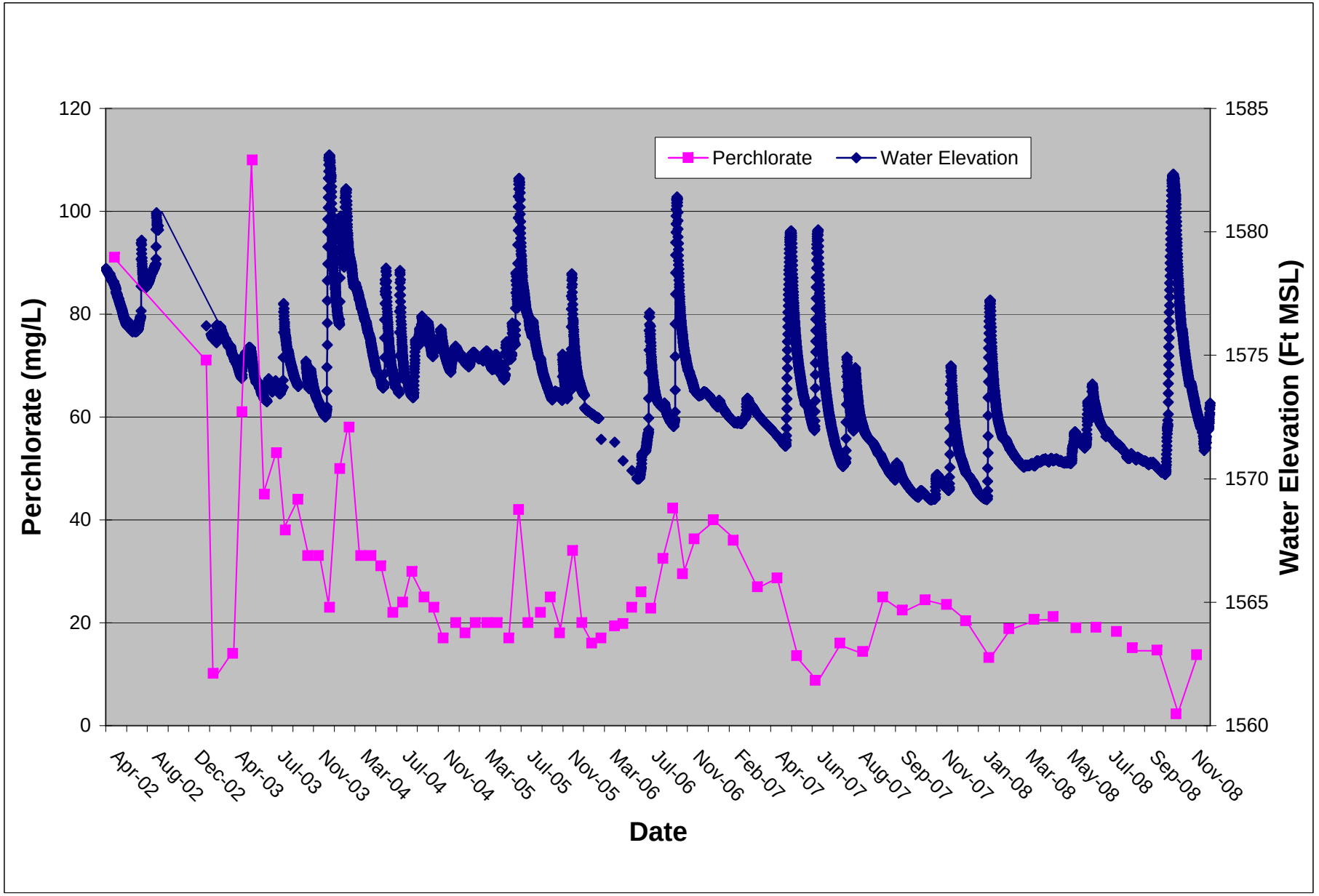


Figure 25: Lower Ponds Well Line Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

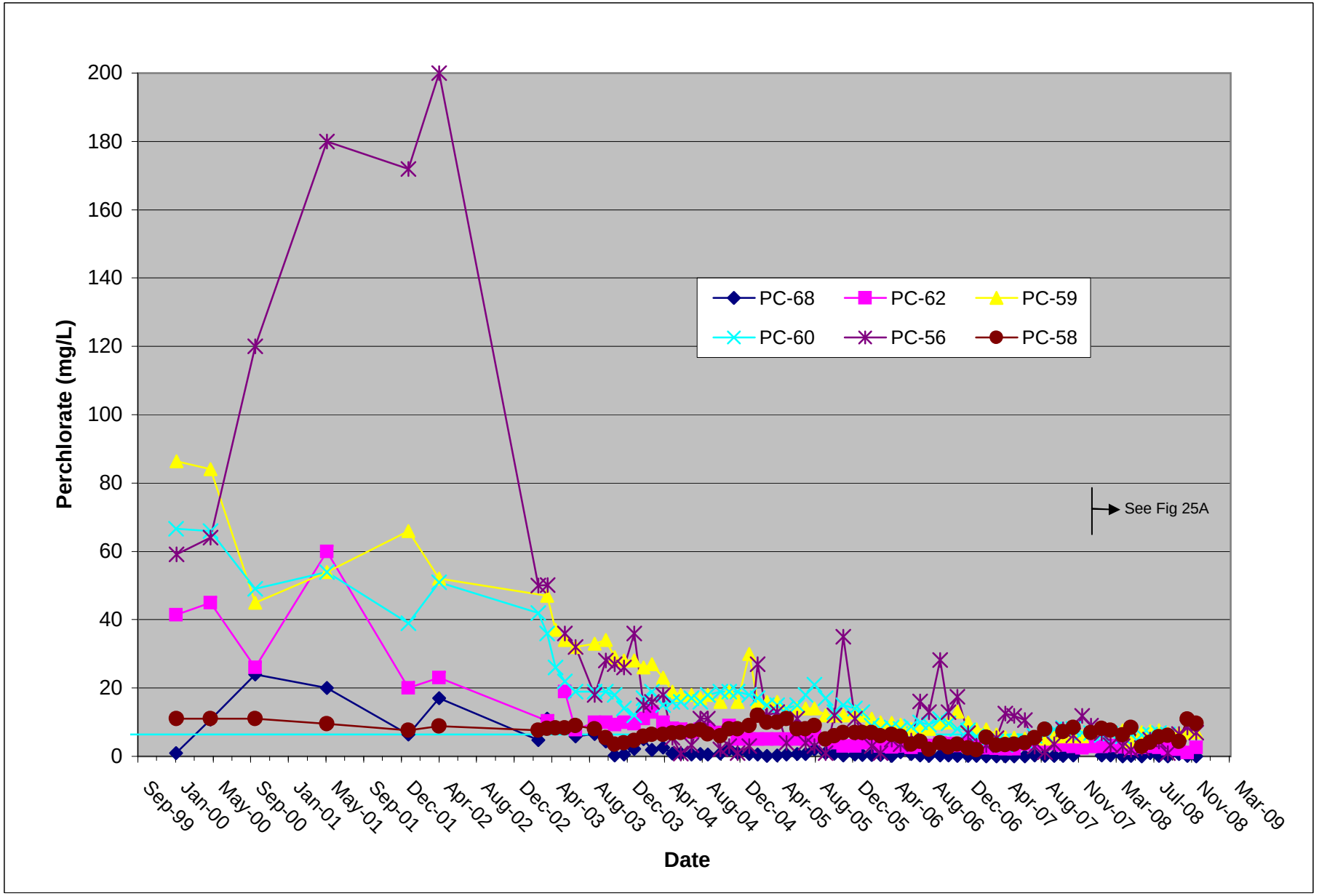


Figure 25A: Lower Ponds Wall Line Perchlorate Concentration Trend Graph, Oct 2007 - Dec 2008

Tronox LLC, Henderson, Nevada

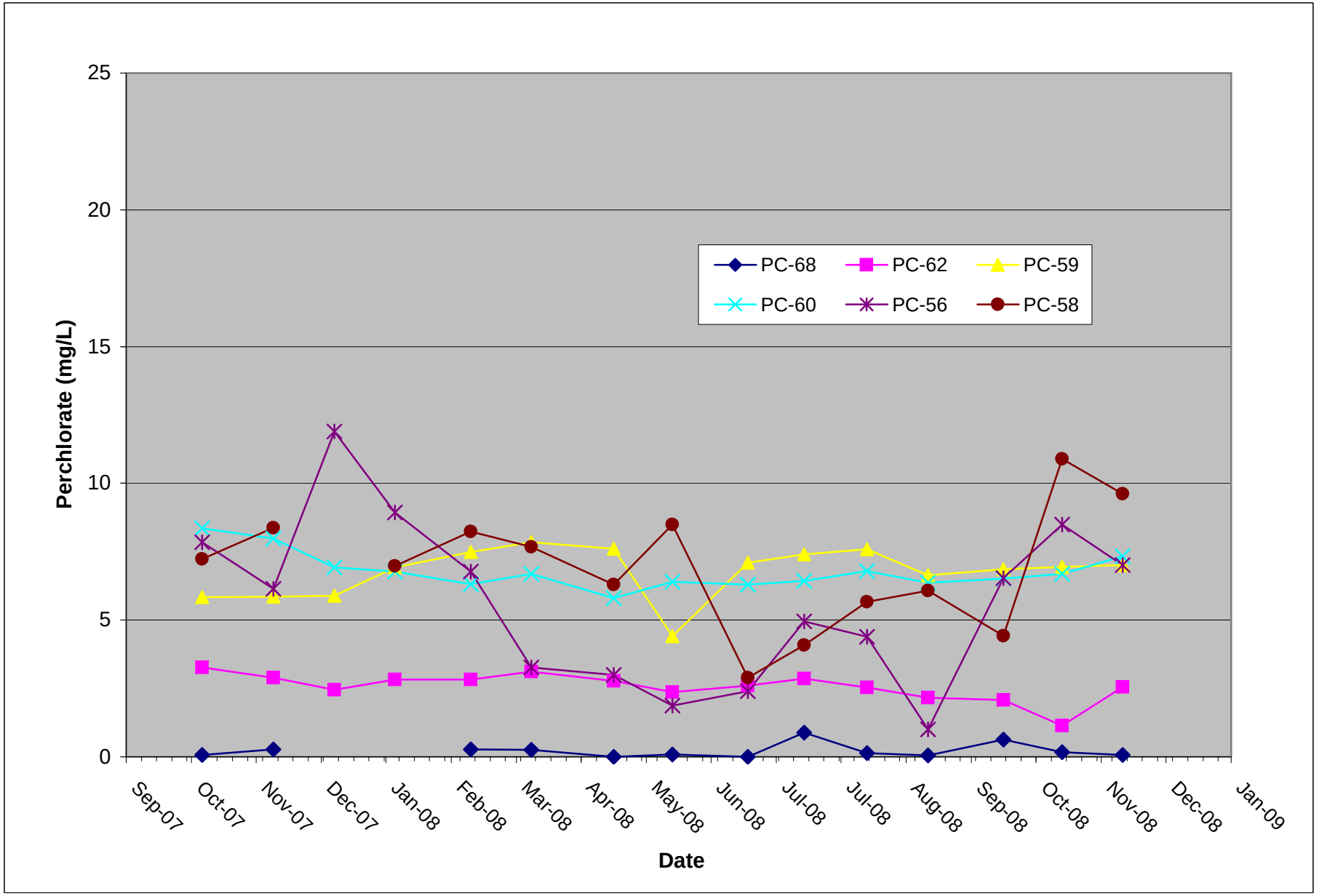


Figure 26: Seep Well Field Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada

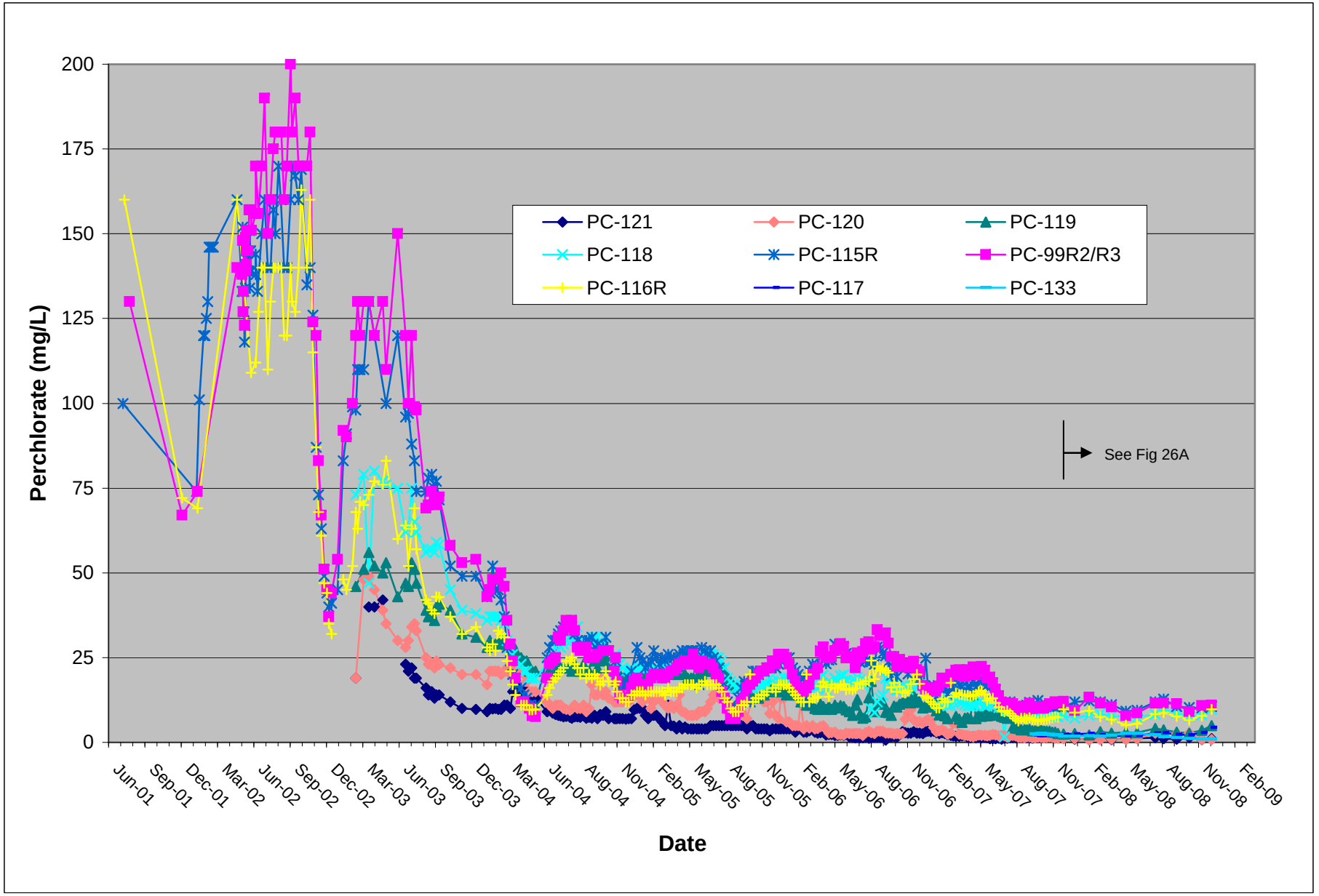


Figure 26A: Seep Well Field Perchlorate Concentration Trend Graph, Oct 2007 - Dec 2008

Tronox LLC, Henderson, Nevada

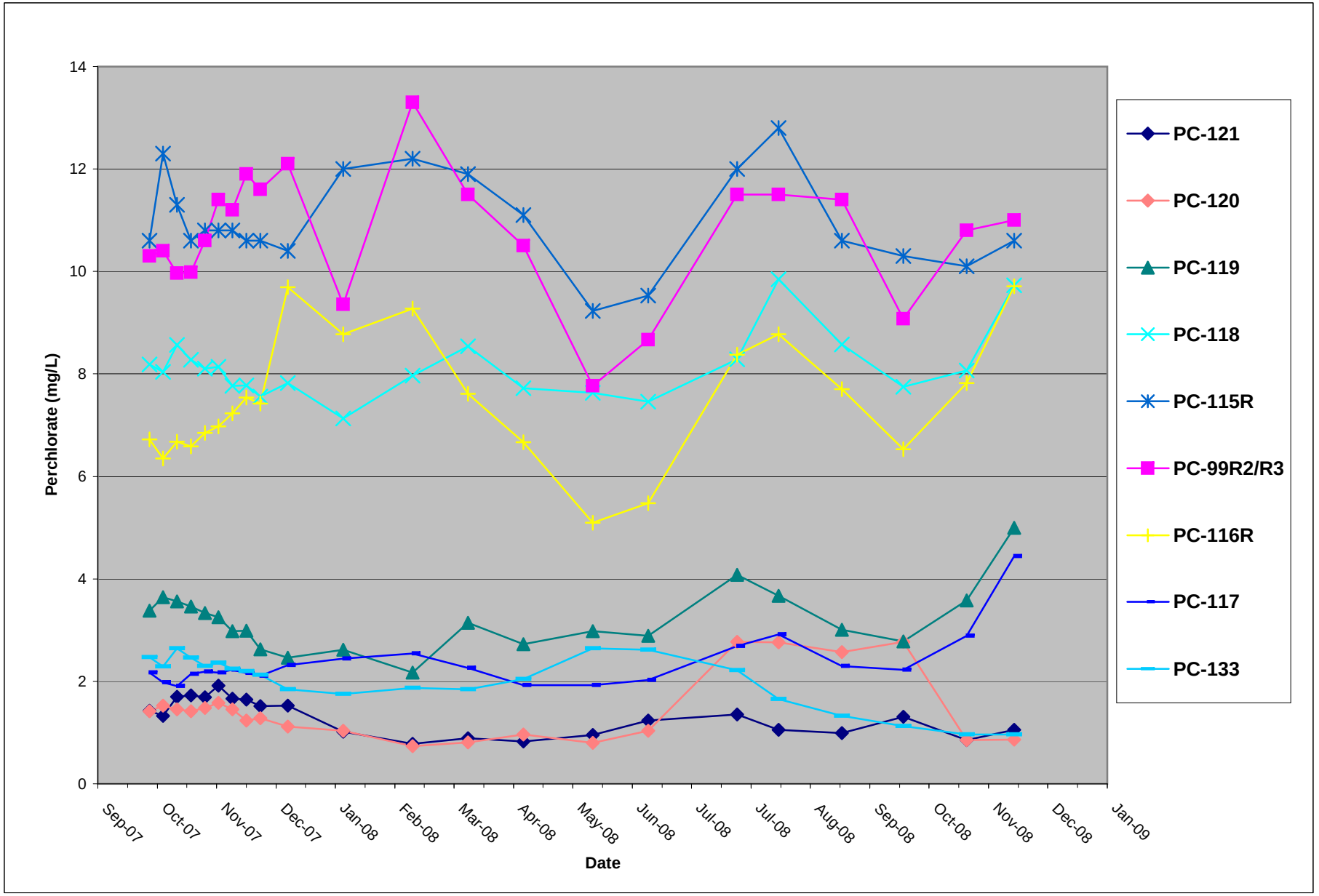


Figure 27: Well PC-97 Perchlorate Concentration vs, Water Elevation Trend Graph

Tronox LLC, Henderson, Nevada

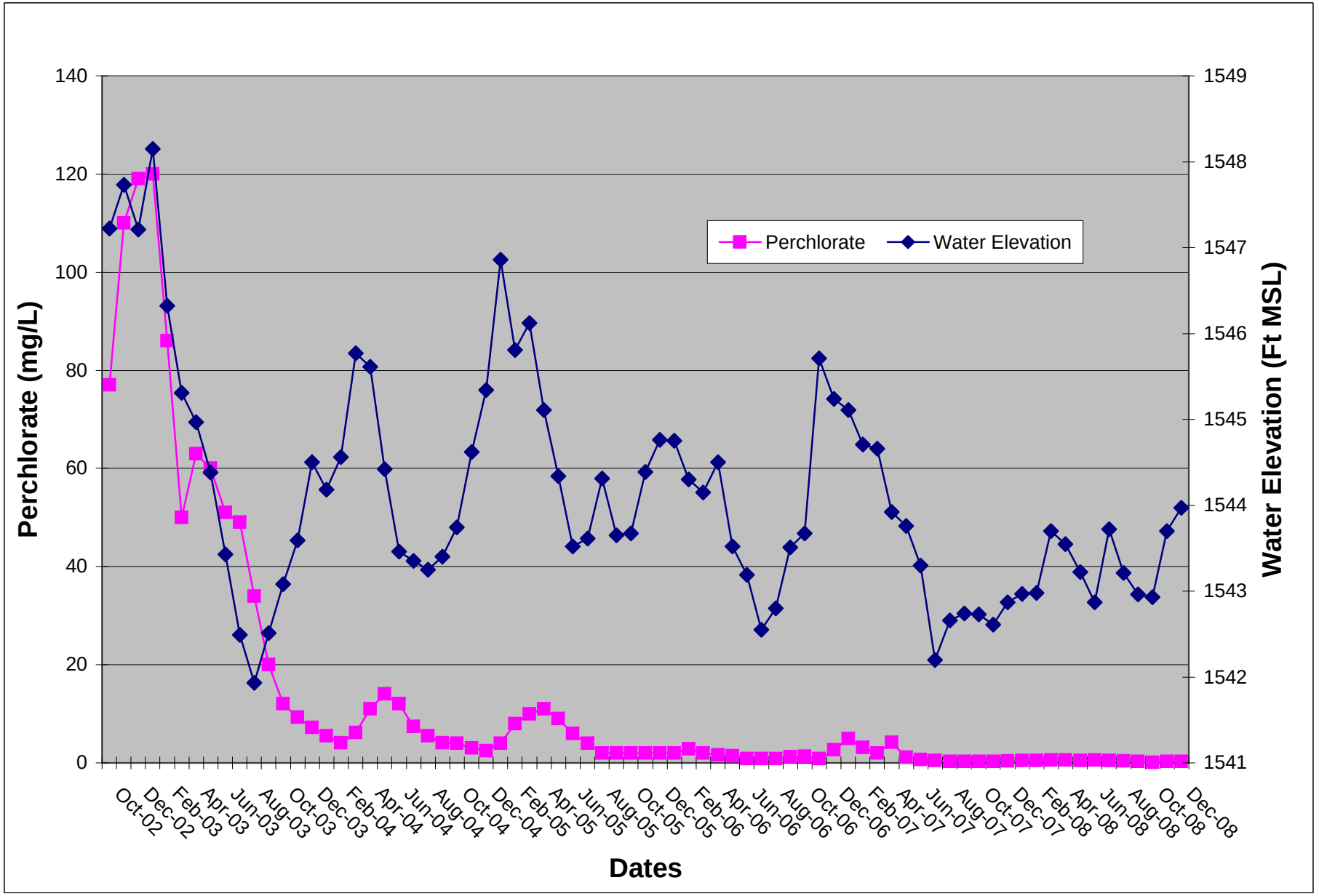


Figure 28: Seep Well Field Perchlorate Concentration Section Graph

Tronox LLC, Henderson, Nevada

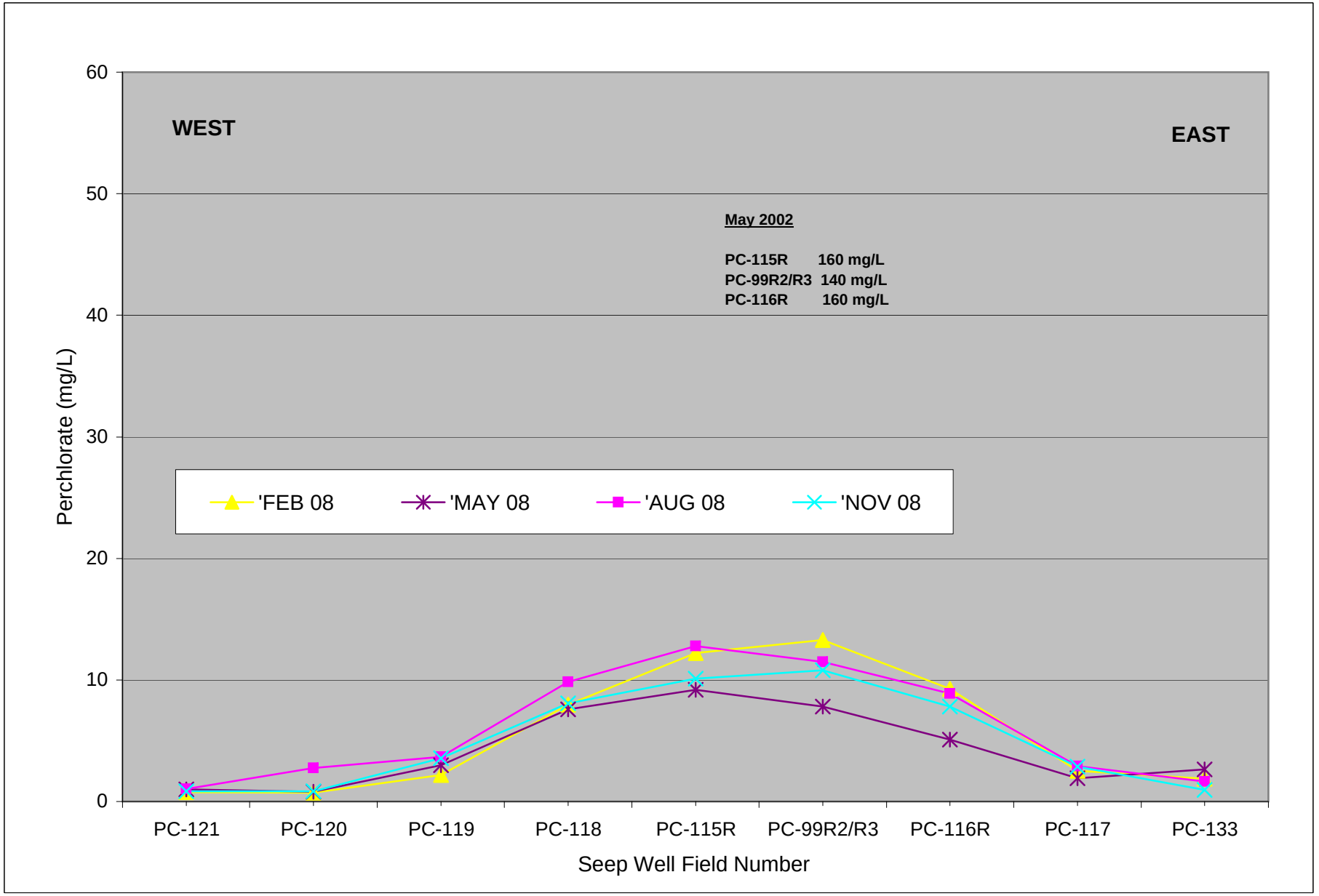


Figure 29: Seep Well Field Total Dissolved Solids Section Graph

Tronox LLC, Henderson, Nevada

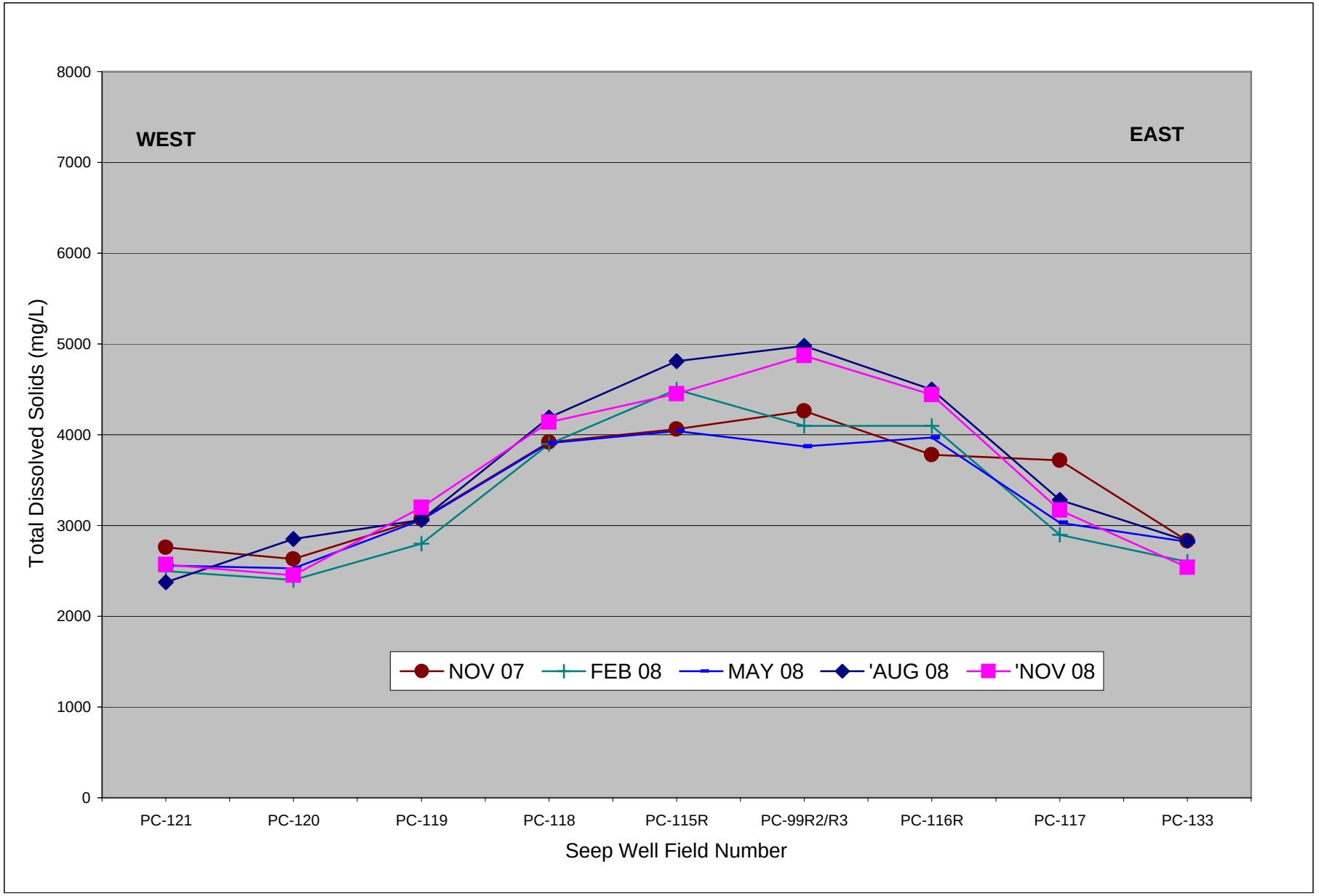


Figure 30: Seep Area Average Perchlorate Concentration and Mass Removed

Tronox LLC, Henderson, Nevada

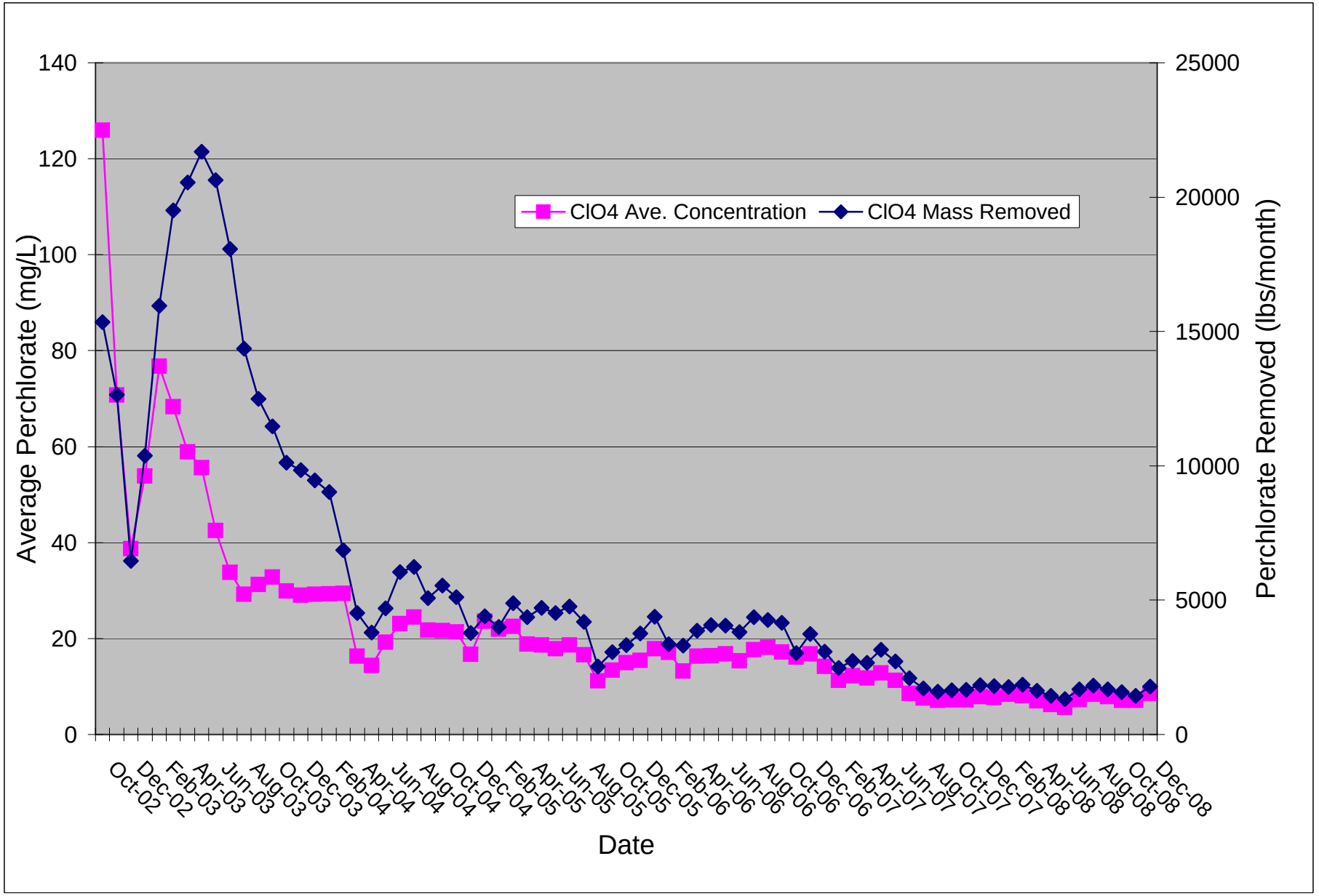
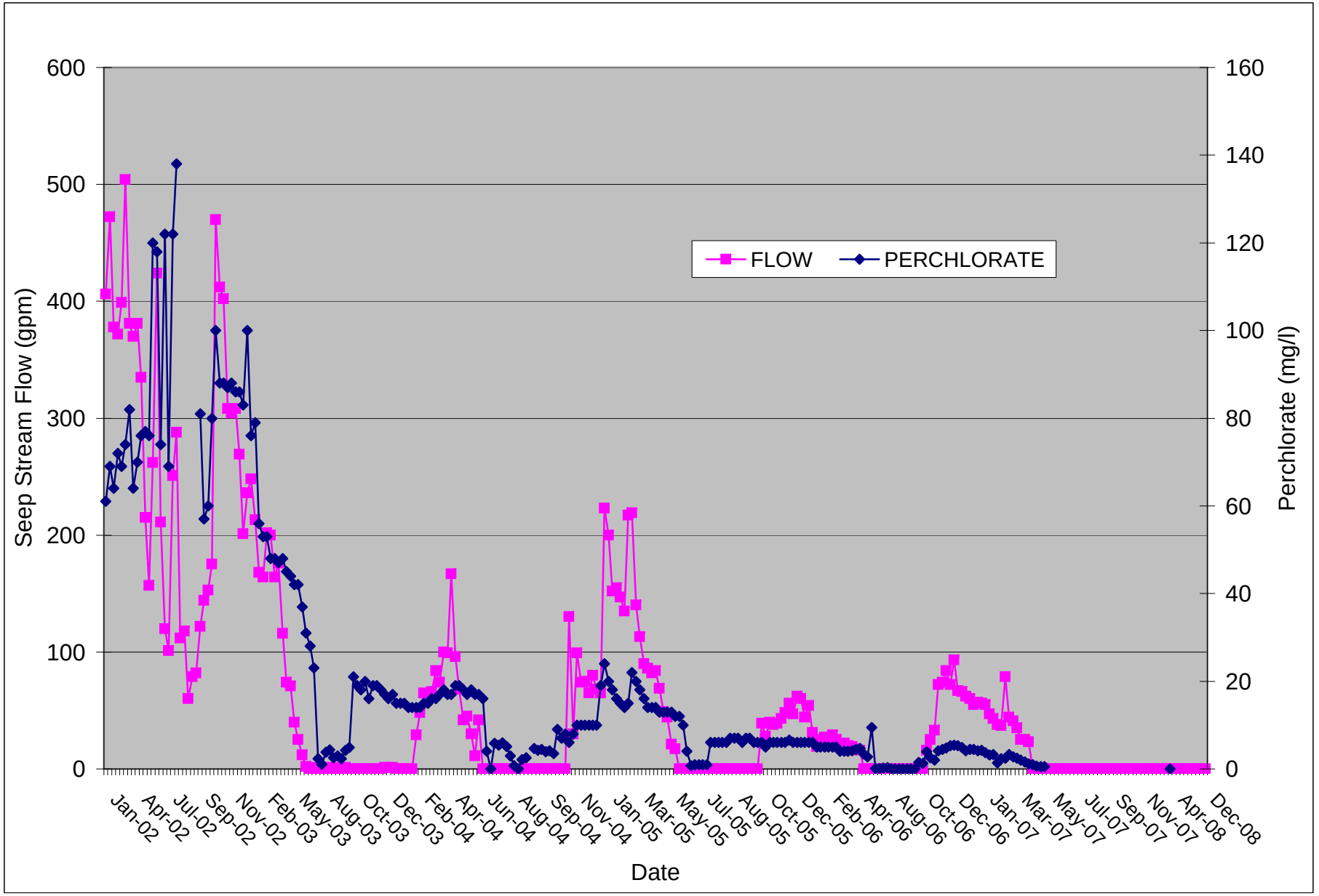


Figure 31: Seep Stream Flow vs. Perchlorate Concentration Trend Graph

Tronox LLC, Henderson, Nevada



Tables

TABLE 1
INTERCEPTOR WELL DISCHARGE RATES (GPM)
Tronox, LLC
Henderson, Nevada

Well #	December 2003 (GPM)	December 2004 (GPM)	December 2005 (GPM)	December 2006 (GPM)	December 2007 (GPM)	December 2008 (GPM)	Well Screened in
I-AR	0.9	0.9	0.7	0.1	1.1	1.1	Qal/MCf1
I-B	1.6	1.7	1.2	1.2	1.2	1.7	Qal/MCf1
I-C	3.5	4.4	3.5	4.5	3.4	3.4	Qal/MCf1
I-D	1.4	2.6	1.3	1.7	1.0	1.5	Qal/MCf1
I-E	1.4	1.7	0.8	2.3	1.5	1.2	Qal/MCf1
I-F	3.5	4.1	4.0	4.3	3.4	6.0	Qal/MCf1
I-G	0.1	OFF	OFF	OFF	OFF	0.2	Qal/MCf1
I-H	0.9	1.0	1.7	1.2	1.0	0.9	Qal/MCf1
I-I	4.4	4.9	4.8	5.0	5.1	5.1	Qal/MCf1
I-J	4.8	5.9	3.3	7.5	7.4	8.6	Qal/MCf1
I-K	3.8	4.2	5.3	3.6	3.8	4.3	Qal/MCf1
I-L	1.3	1.7	2.3	2.3	1.0	1.9	Qal/MCf1
I-M	3.3	3.6	3.8	2.3	3.0	2.6	Qal/MCf1
I-N	3.5	3.6	3.2	3.0	2.4	3.4	Qal/MCf1
I-O	2.9	2.8	3.4	3.0	1.9	1.9	Qal/MCf1
I-P	3.3	3.6	4.5	4.2	2.4	3.0	Qal/MCf1
I-Q	0.7	0.6	0.7	0.3	0.7	0.4	Qal/MCf1
I-R	1.7	2.0	1.9	1.7	1.9	1.7	Qal/MCf1
I-S	2.8	3.8	2.5	5.2	2.6	3.9	Qal/MCf1
I-T	0.4	0.1	0.7	OFF	0.4	0.4	Qal/MCf1
I-U	0.6	0.8	1.0	1.2	OFF	0.7	Qal/MCf1
I-V	3.3	3.9	3.7	3.7	4.3	4.6	Qal/MCf1
I-Z	6.9	7.1	9.3	6.5	6.0	6.9	Qal/MCf1
TOTAL	57.0	65.0	63.6	64.8	55.5	65.4	

NOTES:
GPM = gallons per minute
OFF = well was turned off
Qal = Quaternary alluvium
MCf1 = Muddy Creek Fm. first fine-grained unit

TABLE 2
ATHENS ROAD WELL DISCHARGE RATES (GPM)
Tronox, LLC
Henderson, Nevada

Well #	December 2003 (GPM)	December 2004 (GPM)	December 2005 (GPM)	December 2006 (GPM)	December 2007 (GPM)	December 2008 (GPM)	Well Screened in
ART-1	27.4	15.1	14.9	6.5	OFF	OFF	Qal
ART-2	62.4	74.2	69.6	77.6	78	78.1	Qal
ART-3	25.1	38.9	34.7	30	39	46.6	Qal
ART-4	13.9	14.9	14	14	9.9	5.2	Qal
ART-6	10	12.8	12.5	NO*	NO*	NO*	Qal
ART-7	27.7	30.9	29.3	30.2	31.2	31.2	Qal
ART-8	70.1	70.9	61.6	62.7	62.5	78.1	Qal
ART-9	NO	NO	NO	32.4	43.4	46.7	Qal
TOTAL	**236.6**	**257.7**	**236.6**	**253.4**	**264**	**285.5**	

NOTES:
GPM = gallons per minute
NO = not operational (* ART-6 is the "Buddy Well" for ART-9. The electrical and plumbing system from ART-6A was removed and is being used in ART-9)
ART-1, 2, 3, 4, 7 and 8 have adjacent recovery wells - "Buddy Wells" - designated by the letter "A"
Pumping Wells on 12/10/08: ART-2, 3A, 4A, 7, 8 and 9
Qal = Quaternary Alluvium

TABLE 3
SEEP WELL FIELD DISCHARGE RATES (GPM)
Tronox, LLC
Henderson, Nevada

Well #	December 2003 (GPM)	December 2004 (GPM)	December 2005 (GPM)	December 2006 (GPM)	December 2007 (GPM)	December 2008 (GPM)	Well Screened in
PC-99R2/R3	131.8	117.5	150.3	155.6	124.1	93.4	Qal
PC-115R	45.4	39.9	58.5	58.8	86.7	90.6	Qal
PC-116R	148.7	130.3	117.2	182.3	184.8	184.8	Qal
PC-117	84.2	69.5	89.9	72.4	81.3	69.8	Qal
PC-118	112.1	89.5	71.9	52.6	65.1	62.3	Qal
PC-119	100.6	88.7	55.6	33.4	72.6	53.2	Qal
PC-120	110.1	33.3	12.9	0.1	0.3	0.3	Qal
PC-121	80.9	42.5	14.4	0.4	0.3	OFF	Qal
PC-133	NO	NO	NO	3.8	12.4	8.3	Qal
TOTAL	813.8	611.2	570.7	559.4	627.6	562.7	

NOTES:
GPM = gallons per minute
OFF = Well was turned off
NO = not operational
Qal = Quaternay Alluvium

TABLE 4
GROUNDWATER CHROMIUM TREATMENT DATA JULY 2008 TO DECEMBER 2008
Tronox LLC
Henderson, Nevada

Month	Ave. Flow To Cr Treatment (MM Gals)	Ave. Total Cr Inflow (mg/L)	Ave. Cr VI Treated Outflow* (mg/L)	Ave. Total Cr Treated Outflow* (mg/L)
July	2.83	14.05	0.005	0.455
August	2.93	13.70	0.005	0.131
September	2.83	14.30	0.004	0.353
October	2.92	14.20	0.005	0.492
November	2.83	13.90	0.008	0.372
December	2.92	12.70	0.008	0.287

NOTES:
* Treated Outflow is directed to two 150,000 gallon tanks (BT-40 and BT-45) for equalization before being fed to the Fluidized Bed Reactors (FBRs).
mg/L = milligrams per liter

TABLE 5
JULY 2008 TO DECEMBER 2008 WEEKLY CHROMIUM (mg/L) IN FBR INFLUENT AND EFFLUENT
Tronox LLC
Henderson, Nevada

Sample Date	Influent/Effluent	Total Chromium mg/L ML/EPA 200.7	Total Chromium MRL mg/L	Hexavalent Chromium mg/L EPA 218.6	Hexavalent Chromium MRL mg/L
7/7/2008	INFLUENT	0.07	0.01	0.0069	0.0001
7/7/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
7/14/2008	INFLUENT	0.022	0.01	0.0015	0.0001
7/14/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
7/21/2008	INFLUENT	0.03	0.01	0.0026	0.0001
7/21/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
7/28/2008	INFLUENT	0.054	0.01	0.0044	0.0001
7/28/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
8/4/2008	INFLUENT	0.062	0.01	0.0056	0.0001
8/4/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
8/11/2008	INFLUENT	0.035	0.01	0.0026	0.0001
8/11/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
8/18/2008	INFLUENT	0.049	0.01	0.0043	0.0001
8/18/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
8/25/2008	INFLUENT	0.42	0.01	0.0389	0.0001
8/25/2008	EFFLUENT	0.024	0.01	<0.0001	0.0001
9/2/2008	INFLUENT	0.061	0.01	0.0053	0.0001
9/2/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
9/8/2008	INFLUENT	0.07	0.01	0.0066	0.0001
9/8/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
9/15/2008	INFLUENT	0.065	0.01	0.0056	0.0001
9/15/2008	EFFLUENT	0.015	0.01	<0.0001	0.0001
9/22/2008	INFLUENT	0.056	0.01	0.0011	0.0001
9/22/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
9/29/2008	INFLUENT	0.072	0.01	0.0064	0.0001
9/29/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
10/6/2008	INFLUENT	0.021	0.01	0.0016	0.0001
10/6/2008	EFFLUENT	0.015	0.01	<0.0001	0.0001
10/13/2008	INFLUENT	0.074	0.01	0.0049	0.0001
10/13/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
10/20/2008	INFLUENT	0.07	0.01	0.0051	0.0001
10/20/2008	EFFLUENT	0.02	0.01	<0.0001	0.0001
10/27/2008	INFLUENT	0.062	0.01	0.00075	0.0001
10/27/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
11/3/2008	INFLUENT	0.043	0.01	0.0029	0.0001
11/3/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
11/10/2008	INFLUENT	0.088	0.01	0.0081	0.0001
11/10/2008	EFFLUENT	0.013	0.01	<0.0001	0.0001
11/17/2008	INFLUENT	0.093	0.01	0.0091	0.0001
11/17/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
11/24/2008	INFLUENT	0.58	0.01	0.0591	0.0001
11/24/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
12/1/2008	INFLUENT	0.059	0.01	0.0017	0.0001
12/1/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
12/9/2008	INFLUENT	0.062	0.01	0.0041	0.0001
12/9/2008	EFFLUENT	<0.01	0.01	0.00015	0.0001
12/15/2008	INFLUENT	0.055	0.01	0.0036	0.0001
12/15/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
12/22/2008	INFLUENT	0.075	0.01	0.0056	0.0001
12/22/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001
12/30/2008	INFLUENT	0.09	0.01	0.0069	0.0001
12/30/2008	EFFLUENT	<0.01	0.01	<0.0001	0.0001

NOTES:
FBR = Fluidized Bed Reactor
MRL = Detection Limit

TABLE 6
PERCHLORATE REMOVED FROM THE ENVIRONMENT
Tronox LLC
Henderson, Nevada

Date	Seep Wells And Seep (lbs/day)	Athens Road Well Field (lbs/day)	Interceptor Well Field (lbs/day)	Total (lbs/day)	Total Tons Removed (per month)
OCT 2002*	495	331	1402	2228	34.5
NOV 2002	422	1001	1146	2569	38.5
DEC 2002	208	1164	1292	2664	41.3
JAN 2003	335	1074	1467	2876	44.6
FEB 2003	570	783	1060	2413	33.8
MAR 2003**	485	806	1067	2358	36.5
APR 2003	713	713	1033	2460	36.9
MAY 2003	703	729	1148	2581	40.0
JUN 2003	686	907	1098	2691	40.4
JUL 2003	594	755	1034	2383	36.9
AUG 2003	452	741	999	2192	34.0
SEP 2003	417	770	937	2124	31.9
OCT 2003	370	769	1003	2142	33.2
NOV 2003	337	713	949	1999	30.0
DEC 2003	321	751	932	2005	31.1
JAN 2004	305	689	953	1947	30.2
FEB 2004	311	630	895	1836	26.6
MAR 2004	221	743	931	1895	29.4
APR 2004	151	733	849	1733	26.0
MAY 2004	126	765	904	1795	26.9
JUN 2004	157	754	994	1905	28.6
JUL 2004	195	757	968	1920	29.8
AUG 2004	201	805	914	1920	29.8
SEP 2004	169	835	981	1985	29.8
OCT 2004	262	799	1020	2081	31.2
NOV 2004	168	814	1032	2014	30.2
DEC 2004	122	816	1002	1940	30.1
JAN 2005	122	811	1008	1941	30.1
FEB 2005	157	859	991	2007	28.1
MAR 2005	158	781	980	1919	29.7
APR 2005	145	787	987	1919	28.8
MAY 2005	153	759	982	1894	29.4
JUN 2005***	150	794	985	1929	29.9
JUL 2005	154	770	1077	2001	31.0
AUG 2005	135	800	1109	2044	31.7
SEP 2005	84	821	1140	2045	31.7
OCT 2005	99	797	1077	1973	30.6
NOV 2005	111	773	1103	1987	30.8
DEC 2005	121	726	1141	1988	30.8
JAN 2006	141	750	999	1890	29.3
FEB 2006	136	752	993	1881	29.2
MAR 2006	107	736	983	1826	28.3
APR 2006	129	755	1027	1911	29.6
MAY 2006	131	712	960	1803	27.9
JUN 2006	135	753	887	1775	27.5
JUL 2006	123	647	935	1705	26.4

TABLE 6 (Continued)
PERCHLORATE REMOVED FROM THE ENVIRONMENT
Tronox LLC
Henderson, Nevada

Date	Seep Wells And Seep (lbs/day)	Athens Road Well Field (lbs/day)	Interceptor Well Field (lbs/day)	Total (lbs/day)	Total Tons Removed (per month)
SEP 2006****	142	762	1062	1966	30.5
OCT 2006	134	778	1034	1946	30.2
NOV 2006	101	714	881	1696	26.3
DEC 2006	121	745	884	1750	27.1
JAN 2007	100	804	963	1867	28.9
FEB 2007	89	716	884	1689	26.2
MAR 2007	88	689	930	1707	26.5
APR 2007	89	689	911	1689	25.3
MAY 2007	102	699	904	1705	26.4
JUN 2007	91	642	846	1579	23.7
JUL 2007	67	659	927	1653	25.6
AUG 2007	55	632	853	1540	23.9
SEP 2007	53	631	856	1540	23.9
OCT 2007	53	686	854	1593	24.7
NOV 2007	55	674	775	1504	23.3
Dec 2007	60	656	820	1536	23.8
JAN 2008	58	633	888	1579	24.5
FEB 2008	61	633	844	1537	23.8
MAR 2008	60	666	879	1605	24.9
APR 2008	54	656	865	1575	24.4
MAY 2008	46	627	732	1405	21.8
JUN 2008	44	637	744	1418	21.3
JUL 2008	54	673	830	1557	24.1
AUG 2008	59	691	960	1710	26.5
SEP 2008	56	639	811	1506	22.6
OCT 2008	51	626	814	1491	22.4
NOV 2008	48	643	847	1538	23.1
DEC 2008	58	678	824	1560	23.4

NOTES:
* Athens Rd recovery wells begin full time operation on 10/22/02
** Five new Seep Area recovery wells began operation on 3/24/03
*** One new Seep Area recovery well began operation on 6/21/05
**** One new Athens Rd recovery well began full time operation on 9/8/06

TABLE 7
JULY 2008 TO DECEMBER 2008 WEEKLY PERCHLORATE IN FBR INFLUENT AND EFFLUENT
Tronox, LLC
Henderson, Nevada

Sample Date	Sample Type	Perchlorate mg/l EPA 314	Perchlorate MRL mg/l
7/5/2008	INFLUENT-COMP	317	0.004
7/5/2008	EFFLUENT-COMP	<0.004	0.004
7/12/2008	INFLUENT-COMP	348	0.004
7/12/2008	EFFLUENT-COMP	<0.004	0.004
7/19/2008	INFLUENT-COMP	330	0.004
7/19/2008	EFFLUENT-COMP	<0.004	0.004
7/26/2008	INFLUENT-COMP	346	0.004
7/26/2008	EFFLUENT-COMP	<0.004	0.004
8/2/2008	INFLUENT-COMP	350	0.004
8/2/2008	EFFLUENT-COMP	<0.004	0.004
8/9/2008	INFLUENT-COMP	331	0.004
8/9/2008	EFFLUENT-COMP	<0.004	0.004
8/16/2008	INFLUENT-COMP	347	0.004
8/16/2008	EFFLUENT-COMP	<0.004	0.004
8/23/2008	INFLUENT-COMP	349	0.004
8/23/2008	EFFLUENT-COMP	<0.004	0.004
8/30/2008	INFLUENT-COMP	342	0.004
8/30/2008	EFFLUENT-COMP	<0.004	0.004
9/8/2008	INFLUENT-COMP	311	0.004
9/8/2008	EFFLUENT-COMP	<0.004	0.004
9/13/2008	INFLUENT-COMP	264	0.004
9/15/2008	EFFLUENT-COMP	<0.004	0.004
9/20/2008	INFLUENT-COMP	257	0.004
9/20/2008	EFFLUENT-COMP	0.018	0.004
9/27/2008	INFLUENT-COMP	288	0.004
9/27/2008	EFFLUENT-COMP	<0.004	0.004
10/4/2008	INFLUENT-COMP	302	0.004
10/4/2008	EFFLUENT-COMP	0.0085	0.004
10/11/2008	INFLUENT-COMP	320	0.004
10/11/2008	EFFLUENT-COMP	<0.004	0.004
10/18/2008	INFLUENT-COMP	322	0.004
10/18/2008	EFFLUENT-COMP	<0.004	0.004
10/25/2008	INFLUENT-COMP	327	0.004
10/25/2008	EFFLUENT-COMP	<0.004	0.004
11/1/2008	INFLUENT-COMP	311	0.004
11/1/2008	EFFLUENT-COMP	0.017	0.004
11/8/2008	INFLUENT-COMP	323	0.004
11/8/2008	EFFLUENT-COMP	0.008	0.004
11/15/2008	INFLUENT-COMP	321	0.004
11/15/2008	EFFLUENT-COMP	<0.004	0.004
11/22/2008	INFLUENT-COMP	254	0.004
11/22/2008	EFFLUENT-COMP	<0.004	0.004

TABLE 7 (continued)
JULY 2008 TO DECEMBER 2008 WEEKLY PERCHLORATE IN FBR INFLUENT AND EFFLUENT
Tronox, LLC
Henderson, Nevada

Sample Date	Sample Type	Perchlorate mg/l EPA 314	Perchlorate MRL mg/l
11/29/2008	EFFLUENT-COMP	<0.004	0.004
12/6/2008	INFLUENT-COMP	248	0.004
12/6/2008	EFFLUENT-COMP	<0.004	0.004
12/13/2008	INFLUENT-COMP	118	0.004
12/13/2008	EFFLUENT-COMP	<0.004	0.004
12/20/2008	INFLUENT COMP	294	0.004
12/20/2008	EFFLUENT COMP	<0.004	0.004
12/27/2008	INFLUENT-COMP	308	0.004
12/27/2008	EFFLUENT-COMP	<0.004	0.004

NOTES:
Comp = Weekly Composite Sample
FBR = Fluidized Bed Reactor
MRL = Detection Limit

Appendix A

Groundwater Elevation and Analytical Data

(Access© Data File will be Provided under Separate Cover)

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
April 2007 - Jun 2008

Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
AA-MW-16	1/17/2008	--				0.014	8350
AA-MW-16	2/5/2008	--		0.02 U		0.02 U	9200
ARP-1	4/11/2007	1589.86				0.344	6090
ARP-1	5/9/2007	1589.64		0.02 U		0.573	5940
ARP-1	6/13/2007	1589.31				0.622	6060
ARP-1	7/12/2007	1589.06				0.822	6390
ARP-1	8/15/2007	1589.23		0.01 U		0.826	5330 J
ARP-1	9/14/2007	1588.50				1.19	6280
ARP-1	10/11/2007	1588.87				1.16	6230
ARP-1	11/14/2007	1588.78		0.01 U		1	5980
ARP-1	12/12/2007	1588.94				0.887	6340
ARP-1	1/9/2008	1588.89				1.22	6500
ARP-1	2/13/2008	1588.91		0.05 U		0.959	5900
ARP-1	3/12/2008	1589.15				1.52	5180 J
ARP-1	4/17/2008	1589.00				1.69	6380
ARP-1	5/14/2008	1589.00		0.02 U		1.52	6400
ARP-1	6/17/2008	--				2.28	7080 J-
ARP-2	4/11/2007	1589.50				0.977	7030
ARP-2	5/9/2007	1589.27		0.021		0.565	5350
ARP-2	6/13/2007	1588.96				0.156	6620
ARP-2	7/12/2007	1588.68				0.137	6950
ARP-2	8/15/2007	1588.77		0.028		0.119	5750 J
ARP-2	9/14/2007	1588.58				0.134	6690
ARP-2	10/11/2007	1588.38				0.118	6900
ARP-2	11/14/2007	1588.37		0.029		0.157	6820
ARP-2	12/12/2007	1588.53				0.164	6990
ARP-2	1/9/2008	1588.50				0.172	6050
ARP-2	2/13/2008	1588.52		0.03		0.207	6450
ARP-2	3/12/2008	1588.80				0.199	5400 J
ARP-2	4/17/2008	1588.60				0.247	7000
ARP-2	5/14/2008	1588.59		0.047		0.402	6500
ARP-3	4/11/2007	1588.51				43.8	8860
ARP-3	5/9/2007	1588.34		0.02 U		34.8	7900
ARP-3	6/13/2007	1588.01				24	8960
ARP-3	7/12/2007	1587.74				16.8	7000
ARP-3	8/15/2007	1587.86		0.01 U		12.8	6450 J
ARP-3	9/14/2007	1587.65				13.9	8290
ARP-3	10/11/2007	1587.50				12.6	8270
ARP-3	11/14/2007	1587.38		0.01 U		10.5	10900
ARP-3	12/12/2007	1587.54				9.84	8050
ARP-3	1/9/2008	1587.53				9.8	8750
ARP-3	2/13/2008	1587.50		0.01 U		10.1	10800 J-
ARP-3	3/12/2008	1587.79				9.85	7990 J
ARP-3	4/17/2008	1587.59				9.5	8450
ARP-4A	1/18/2008	--				30.4	4400
ARP-4A	2/13/2008	--		0.01 U		37.1	4680
ARP-4A	3/12/2008	--				35.5	4720 J
ARP-4A	4/17/2008	--				38	4960
ARP-4A	5/15/2008	--		0.02 U		30.8	4480
ARP-4A	6/17/2008	--				30	3510 J-
ARP-5A	1/18/2008	--				35.6	7100
ARP-5A	2/13/2008	--		0.03		37.7	6630
ARP-5A	3/12/2008	--				37.7	6420 J
ARP-5A	4/17/2008	--				31.7	6980
ARP-5A	5/15/2008	--		0.035		20.5	4590
ARP-5A	6/17/2008	--				24.6	6410 J-
ARP-6B	1/18/2008	--				16.9	9400
ARP-6B	2/14/2008	--		0.096		16.6	10300
ARP-6B	3/13/2008	--				16.5	8650 J
ARP-6B	4/17/2008	--				17.2	9750
ARP-6B	5/15/2008	--		0.11		15	9000
ARP-6B	6/17/2008	--				14.8	10200 J-
ART-1	4/2/2007	1576.96				0.126	7460
ART-1	4/9/2007	1576.96				0.132	7270
ART-1	4/16/2007	1576.96				0.12	7380
ART-1	4/23/2007	1576.96				0.106	7130

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
April 2007 - Jun 2008

Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
ART-1	4/30/2007	1576.96				0.107	6820
ART-1	5/7/2007	1590.83		0.02 U		0.111	82700 J-
ART-1	5/14/2007	1590.83				0.127	6810
ART-1	5/21/2007	1590.83				0.116	5850
ART-1	5/29/2007	1590.83				0.117	7000
ART-1	6/4/2007	1590.55				0.119	6950
ART-1	6/11/2007	1590.55				0.123	6660
ART-1	6/18/2007	1590.55				0.112	6760
ART-1	6/25/2007	1590.55				0.102	6570
ART-1	7/2/2007	1590.35				0.094	6540
ART-1	7/10/2007	1590.35				0.101	6790
ART-1	7/16/2007	1590.35				0.094	7030
ART-1	7/23/2007	1590.35				0.098	6920
ART-1	7/30/2007	1590.35				0.086	6980
ART-1	8/6/2007	1590.52				0.082	6590
ART-1	8/13/2007	1590.52				0.078	6350
ART-1	8/20/2007	1590.52				0.064	6850
ART-1	8/27/2007	1590.52				0.103	6820
ART-1	9/4/2007	1589.82				0.094	6680
ART-1	9/10/2007	1589.82				0.1	6540
ART-1	9/17/2007	1589.82				0.112	6770
ART-1	9/24/2007	1589.82				0.13	6690
ART-1	10/1/2007	1590.19				0.098	6650
ART-1	10/8/2007	1590.19				0.1	6690
ART-1	10/15/2007	1590.19		0.51		0.11	6690
ART-1	10/22/2007	1590.19				0.125	6820 J-
ART-1	10/29/2007	1590.19				0.117	6690
ART-1	11/5/2007	1590.04				0.118	6900
ART-1	11/12/2007	1590.04		0.13		0.121	6550
ART-1	11/19/2007	1590.04				0.114	7400
ART-1	11/26/2007	1590.04				0.115	6270
ART-1	11/29/2007	1590.04		0.02 U			
ART-1	12/10/2007	1590.26				0.052	7550
ART-1	1/7/2008	1590.25				0.082	7600
ART-1	2/11/2008	1590.19		0.02 U		0.042	8870 J-
ART-1	3/10/2008	1590.38				0.065	5850
ART-1	4/7/2008	1590.23				0.061	8050
ART-1	5/12/2008	1590.25		0.028		0.18	6800
ART-1	6/9/2008	--				0.19	7050
ART-2	4/2/2007	1589.93				107	9500
ART-2	4/9/2007	1589.93				186	9470
ART-2	4/16/2007	1589.93				114	9230
ART-2	4/23/2007	1589.93				111	9080
ART-2	4/30/2007	1589.93				102	9120
ART-2	5/7/2007	1589.48		0.025		87.1	10600 J-
ART-2	5/14/2007	1589.48				92.5	8850
ART-2	5/21/2007	1589.48				90.5	8300
ART-2	5/29/2007	1589.48				82.5	9880
ART-2	6/4/2007	1590.73				89.2	9880
ART-2	6/11/2007	1590.73				94.5	9480
ART-2	6/18/2007	1590.73				82.1	9860
ART-2	6/25/2007	1590.73				74.1	9720
ART-2	7/2/2007	1588.97				82.4	9540
ART-2	7/10/2007	1588.97				83.9	9430
ART-2	7/16/2007	1588.97				91.8	9540
ART-2	7/23/2007	1588.97				87.6	9820
ART-2	7/30/2007	1588.97				79.3	9620
ART-2	8/6/2007	1589.14				78.5	9560
ART-2	8/13/2007	1589.14		0.021		69.4	8550
ART-2	8/20/2007	1589.14				73.5	9140
ART-2	8/27/2007	1589.14				79	9280
ART-2	9/4/2007	1586.66				80	9200
ART-2	9/10/2007	1586.66				75.6	9280
ART-2	9/17/2007	1586.66				79.7	9200
ART-2	9/24/2007	1586.66				75.4	9020
ART-2	10/1/2007	1588.83				77.7	8960

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
April 2007 - Jun 2008

Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
ART-2	10/8/2007	1588.83				80.3	9310
ART-2	10/15/2007	1588.83				84.3	9410
ART-2	10/22/2007	1588.83				79.4	9260
ART-2	10/29/2007	1588.83				80.5	7850
ART-2	11/5/2007	1588.75				79.9	9800
ART-2	11/12/2007	1588.75		0.1 U		80.4	10100
ART-2	11/19/2007	1588.75				80.4	9550
ART-2	11/26/2007	1588.75				74.9	9100
ART-2	12/10/2007	1588.89				77.9	9450
ART-2	1/7/2008	1588.88				70.4	9700
ART-2	2/11/2008	1588.87		0.022		75.3	7200
ART-2	3/10/2008	1589.04				73	7800
ART-2	4/7/2008	1588.88				70.5	9950
ART-2	5/12/2008	1588.84		0.023		68.3	9000
ART-2	6/9/2008	--				63.9	9200
ART-3	4/2/2007	1588.20				353	8900
ART-3	4/9/2007	1588.20				238	8600
ART-3	4/16/2007	1588.20				358	8260
ART-3	4/23/2007	1588.20				347	8040
ART-3	4/30/2007	1588.20				366	8060
ART-3	5/7/2007	1587.29		0.23		319	88300 J-
ART-3	5/14/2007	1587.29				335	7950
ART-3	5/21/2007	1587.29				308	8200
ART-3	5/29/2007	1587.29				330	8760
ART-3	6/4/2007	1586.95				312	8810
ART-3	6/11/2007	1586.95				317	8460
ART-3	6/18/2007	1586.95				314	8780
ART-3	6/25/2007	1586.95				309	9040
ART-3	7/2/2007	1586.73				347	8600
ART-3	7/10/2007	1586.73				307	9000
ART-3	7/16/2007	1586.73				331	9040
ART-3	7/23/2007	1586.73				295	8900
ART-3	7/30/2007	1586.73				321	9040
ART-3	8/6/2007	1586.89				327	8570
ART-3	8/13/2007	1586.89		0.23		284	7930
ART-3	8/20/2007	1586.89				317	8720
ART-3	8/27/2007	1586.89				320	8640
ART-3	9/4/2007	1586.57				299	8460
ART-3	9/10/2007	1586.57				302	8400
ART-3	9/17/2007	1586.57				337	8180
ART-3	9/24/2007	1586.57				332	8360
ART-3	10/1/2007	1586.55				323	8360
ART-3	10/8/2007	1586.55				299	8280
ART-3	10/15/2007	1586.55				342	8440
ART-3	10/22/2007	1586.55				330	8530
ART-3	10/29/2007	1586.55				315	8710
ART-3	11/5/2007	1586.44				327	8230
ART-3	11/12/2007	1586.44		0.24		335	9600
ART-3	11/19/2007	1586.44				325	9970
ART-3	11/26/2007	1586.44				317	8530
ART-3	12/10/2007	1586.64				336	8550
ART-3	1/7/2008	1586.67				291	8600
ART-3	2/11/2008	1586.69		0.25		322	6920 J-
ART-3	3/10/2008	1586.80				329	7200
ART-3	4/7/2008	1586.67				328	9100
ART-3	5/12/2008	1586.75		0.26		297	8350
ART-3	6/9/2008	--				306	8750
ART-4	4/2/2007	1577.81				332	6630
ART-4	4/9/2007	1577.81				337	6470
ART-4	4/16/2007	1577.81				342	6360
ART-4	4/23/2007	1577.81				316	6420
ART-4	4/30/2007	1577.81				359	6060
ART-4	5/7/2007	1579.67		0.21		309	6550 J-
ART-4	5/14/2007	1579.67				334	6440
ART-4	5/21/2007	1579.67				330	6350
ART-4	5/29/2007	1579.67				352	6430

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
April 2007 - Jun 2008

Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
ART-4	6/4/2007	1578.83				303	6650
ART-4	6/11/2007	1578.83				312	6340
ART-4	6/18/2007	1578.83				291	6390
ART-4	6/25/2007	1578.83				295	6500
ART-4	7/2/2007	1578.78				288	6390
ART-4	7/10/2007	1578.78				317	6450
ART-4	7/16/2007	1578.78				330	6780
ART-4	7/23/2007	1578.78				316	6740
ART-4	7/30/2007	1578.78				315	6470
ART-4	8/6/2007	1577.84				295	6210
ART-4	8/13/2007	1577.84		0.2		262	5760
ART-4	8/20/2007	1577.84				282	6330
ART-4	8/27/2007	1577.84				306	6230
ART-4	9/4/2007	1578.27				307	6270
ART-4	9/10/2007	1578.27				292	6100
ART-4	9/17/2007	1578.27				304	6180
ART-4	9/24/2007	1578.27				278	6240
ART-4	10/1/2007	1577.87				316	6200
ART-4	10/8/2007	1577.87				304	6180
ART-4	10/15/2007	1577.87				317	6200
ART-4	10/22/2007	1577.87				308	6340
ART-4	10/29/2007	1577.87				312	6540
ART-4	11/5/2007	1577.93				316	6580
ART-4	11/12/2007	1577.93		0.2		307	6370
ART-4	11/19/2007	1577.93				305	6660
ART-4	11/26/2007	1577.93				292	6540
ART-4	12/10/2007	1577.82				271	6400
ART-4	1/7/2008	1577.87				270	5900
ART-4	2/11/2008	1577.69		0.19		251	4800
ART-4	3/10/2008	1584.10				297	6140
ART-4	4/7/2008	1577.78				329	6330
ART-4	5/12/2008	1577.44		0.25		299	6550
ART-4	6/9/2008	--				311	6560
ART-5	2/11/2008	1589.44		0.02 U		2.84	2400
ART-5	3/10/2008	1588.78				1.47	2490
ART-5	4/7/2008	1588.86				0.193	2240
ART-6	4/2/2007	1586.00				70.1	7600
ART-6	4/9/2007	1586.00				77.5	7370
ART-6	4/16/2007	1586.00				81.7	7370
ART-6	4/23/2007	1586.00				75.7	7430
ART-6	4/30/2007	1586.00				81.1	6900
ART-6	5/7/2007	1586.09		0.3		70.7	6870
ART-6	5/14/2007	1586.09				78.8	7370
ART-6	5/21/2007	1586.09				86.9	7100
ART-6	5/29/2007	1586.09				77.3	8010
ART-6	6/4/2007	1585.82				73.9	7700
ART-6	6/11/2007	1585.82				75.3	7530
ART-6	6/18/2007	1585.82				80.9	7660
ART-6	6/25/2007	1585.82				75.9	7500
ART-6	7/2/2007	1585.57				79.4	5660
ART-6	7/10/2007	1585.57				85.5	7260
ART-6	7/16/2007	1585.57				78.5	7820
ART-6	7/23/2007	1585.57				65.6	7680
ART-6	7/30/2007	1585.57				82.6	7560
ART-6	8/6/2007	1584.88				82.3	7360
ART-6	8/13/2007	1584.88		0.22		74.6	6580
ART-6	8/20/2007	1584.88				77.7	7430
ART-6	8/27/2007	1584.88				83.1	7280
ART-6	9/4/2007	1585.14				76.8	7460
ART-6	9/10/2007	1585.14				71.5	7150
ART-6	9/17/2007	1585.14				86	7390
ART-6	9/24/2007	1585.14				83.3	7310
ART-6	10/1/2007	1585.45				90.7	7330
ART-6	10/8/2007	1585.45				88.9	7520
ART-6	10/15/2007	1585.45				361	7670
ART-6	10/22/2007	1585.45				331	7900

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
April 2007 - Jun 2008

Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
ART-6	10/29/2007	1585.45				333	8030
ART-6	11/5/2007	1584.98				256	7930
ART-6	11/12/2007	1584.98		1.1		330	8300
ART-6	11/19/2007	1584.98				316	8140
ART-6	11/26/2007	1584.98				301	7510
ART-6	12/10/2007	1584.98				299	8220
ART-6	1/7/2008	1585.04				300	7400
ART-6	2/11/2008	1584.96		1.3		305	6500
ART-6	3/10/2008	1585.05				122	7650
ART-6	4/7/2008	1584.84				288	7920
ART-6	6/9/2008	--				340	8700
ART-7	4/2/2007	1585.50				129	10300
ART-7	4/9/2007	1585.50				127	10200
ART-7	4/16/2007	1585.50				136	10700
ART-7	4/23/2007	1585.50				134	10100
ART-7	4/30/2007	1585.50				148	10300
ART-7	5/7/2007	1585.60		0.65		123	10600 J-
ART-7	5/14/2007	1585.60				138	8850
ART-7	5/21/2007	1585.60				137	9800
ART-7	5/29/2007	1585.60				140	10800
ART-7	6/4/2007	1585.29				133	11800
ART-7	6/11/2007	1585.29				132	10600
ART-7	6/18/2007	1585.29				125	10600
ART-7	6/25/2007	1585.29				128	10800
ART-7	7/2/2007	1585.04				131	10300
ART-7	7/10/2007	1585.04				135	10900
ART-7	7/16/2007	1585.04				145	10600
ART-7	7/23/2007	1585.04				133	10400
ART-7	7/30/2007	1585.04				136	10200
ART-7	8/6/2007	1584.82				130	10100
ART-7	8/13/2007	1584.82		0.64		120	8700
ART-7	8/20/2007	1584.82				123	9680
ART-7	8/27/2007	1584.82				135	9780
ART-7	9/4/2007	1584.04				137	9860
ART-7	9/10/2007	1584.04				123	10000
ART-7	9/17/2007	1584.04				134	9640
ART-7	10/8/2007	1583.06				150	9940
ART-7	10/15/2007	1583.06				152	9980
ART-7	10/22/2007	1583.06				141	10400
ART-7	10/29/2007	1583.06				142	10700
ART-7	11/5/2007	1582.55				140	10100
ART-7	11/12/2007	1582.55		0.64		137	9900
ART-7	11/19/2007	1582.55				139	10600
ART-7	11/26/2007	1582.55				135	10200
ART-7	12/10/2007	1582.52				144	10800
ART-7	1/7/2008	1582.57				127	9500
ART-7	2/11/2008	1582.51		0.64		128	9500
ART-7	3/10/2008	1582.71				131	8500
ART-7	4/7/2008	1582.45				123	10800
ART-7	5/12/2008	1582.16		0.64		125	9850
ART-7	6/9/2008	--				131	10500
ART-8	4/2/2007	1590.87				302	9970
ART-8	4/9/2007	1590.87				304	9900
ART-8	4/16/2007	1590.87				321	9570
ART-8	4/23/2007	1590.87				296	9700
ART-8	4/30/2007	1590.87				294	9120
ART-8	5/7/2007	1590.18		0.17		252	10040 J-
ART-8	5/14/2007	1590.18				272	8100
ART-8	5/21/2007	1590.18				263	9650
ART-8	5/29/2007	1590.18				260	9740
ART-8	6/4/2007	1585.33				237	10700
ART-8	6/11/2007	1585.33				254	9640
ART-8	6/18/2007	1585.33				251	10000
ART-8	6/25/2007	1585.33				249	9800
ART-8	7/2/2007	1585.05				239	9660
ART-8	7/10/2007	1585.05				250	10200

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
April 2007 - Jun 2008

Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
ART-8	7/16/2007	1585.05				274	10000
ART-8	7/23/2007	1585.05				263	9900
ART-8	7/30/2007	1585.05				273	10000
ART-8	8/6/2007	1585.12				245	9340
ART-8	8/13/2007	1585.12		0.16		218	9550
ART-8	8/20/2007	1585.12				240	9640
ART-8	8/27/2007	1585.12				247	9400
ART-8	9/4/2007	1584.80				233	9420
ART-8	9/10/2007	1584.80				241	9480
ART-8	9/17/2007	1584.80				244	9500
ART-8	9/24/2007	1584.80				236	9200
ART-8	10/1/2007	1584.60				245	9330
ART-8	10/8/2007	1584.60				273	9490
ART-8	10/15/2007	1584.60				250	9500
ART-8	10/22/2007	1584.60				257	9420
ART-8	10/29/2007	1584.60				257	10200
ART-8	11/5/2007	1584.51				259	9600
ART-8	11/12/2007	1584.51		0.17		258	10100
ART-8	11/19/2007	1584.51				253	9500
ART-8	11/26/2007	1584.51				252	9740
ART-8	12/10/2007	1584.55				236	9700
ART-8	1/7/2008	1584.44				243	9500
ART-8	2/11/2008	1584.41		0.17		233	9400
ART-8	3/10/2008	1584.65				246	7450
ART-8	4/7/2008	1584.50				223	9750
ART-8	5/12/2008	1584.37		0.16		221	9600
ART-8	6/9/2008	--				222	10000
ART-9	4/2/2007	--				333	6100
ART-9	4/9/2007	--				318	7910
ART-9	4/16/2007	--				311	7530
ART-9	4/23/2007	--				320	7260
ART-9	4/30/2007	--				315	7440
ART-9	5/7/2007	--		1.1		307	6890
ART-9	5/14/2007	--				330	6550
ART-9	5/21/2007	--				321	6100
ART-9	5/29/2007	--				322	7990
ART-9	6/4/2007	--				324	8430
ART-9	6/11/2007	--				310	7720
ART-9	6/18/2007	--				309	7800
ART-9	6/25/2007	--				307	7990
ART-9	7/2/2007	--				320	8240
ART-9	7/10/2007	--				330	7800
ART-9	7/16/2007	--				343	8190
ART-9	7/23/2007	--				333	8350
ART-9	7/30/2007	--				342	7990
ART-9	8/6/2007	--				340	8100
ART-9	8/13/2007	--		1.1		314	7140
ART-9	8/20/2007	--				320	7770
ART-9	8/27/2007	--				340	7780
ART-9	9/4/2007	--				341	7740
ART-9	9/10/2007	--				306	7660
ART-9	9/17/2007	--				343	7700
ART-9	9/24/2007	--				287 d	7900
ART-9	10/1/2007	--				321	8050
ART-9	10/8/2007	--				337	7830
ART-9	10/15/2007	--				346	7840
ART-9	10/22/2007	--				317	7870
ART-9	10/29/2007	--				331	7860
ART-9	11/5/2007	--				328	8030
ART-9	11/12/2007	--		1.1		321	6270
ART-9	11/19/2007	--				309	8220
ART-9	11/26/2007	--				302	7900
ART-9	12/10/2007	--				310	7810
ART-9	1/7/2008	--				311	7100
ART-9	2/11/2008	--		1.2		326	8100
ART-9	3/10/2008	--				332	2620

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
April 2007 - Jun 2008

Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
ART-9	4/7/2008	--				313	8020
ART-9	5/12/2008	--		1.4		316	7730
ART-9	6/9/2008	--				333	8600
CLD-1R	5/9/2007	1714.45		0.94		6.64	4040
CLD-1R	5/9/2008	1712.77		0.49		7.71	5020
CLD-2R	5/9/2007	1718.20		0.48		4.01	17600
CLD-2R	5/9/2008	1716.59		0.92		6.73	4680
H-11	5/3/2007	1791.83				0.01 U	990
H-11	5/8/2008	1796.69				0.004 U	820
H-48	5/3/2007	1659.86				0.177	10300
H-48	5/10/2008	1660.73				0.231 J-	20300
H-55	5/10/2008	1705.43				0.01 U	3700
HM-2	5/1/2007	--				2.81 d	4820
HM-2	5/8/2008	1579.27				1.92	4220
HMW-13	5/2/2007	1579.99				0.004 U	2140
HMW-13	5/8/2008	1579.17				0.004 U	1890
HMW-14	5/2/2007	1583.10				0.01 U	1500
HMW-14	5/8/2008	1580.88				0.018	1900
HMW-15	5/2/2007	1599.16				0.028	3850
HMW-15	5/8/2008	1600.90				0.01 U	3390
HMW-16	5/2/2007	1612.29				4.15	4600
HMW-16	5/8/2008	1611.71				19.7	5780
HMW-9	4/30/2007	1531.25				0.771	3270
HMW-9	5/7/2008	1531.42				1.37	3730
HSW-1	5/1/2007	--				3.5 d	4920
HSW-1	5/8/2008	1587.83				0.021	3430
I-AA	1/17/2008	--		0.065		173	3270
I-AA	2/5/2008	--		0.06		134	3220
I-AA	5/6/2008	--		0.075		120	3280
I-AR	5/1/2007	1716.02		0.53		3670	6850
I-AR	7/31/2007	1716.36		0.49		4020	6850
I-AR	11/6/2007	1716.53		0.48		3320	8600
I-AR	2/6/2008	1715.36		0.98 d		4050 d	6080
I-AR	5/6/2008	1715.52		1.1		3000	6110
I-B	5/1/2007	1717.19		0.15		900	5120
I-B	7/31/2007	1716.48		0.22		1150	4930
I-B	11/6/2007	1710.09		0.33		1250	5348
I-B	2/5/2008	1709.73		0.41		934	4650
I-B	5/6/2008	1709.79		0.35		825	4610
I-C	5/1/2007	1709.98		4.9		939	7420
I-C	7/31/2007	1709.58		4.4		1200	7400
I-C	11/6/2007	1709.19		4.5		1160	8380
I-C	2/5/2008	1708.16		4.8		993	8260
I-C	5/6/2008	1708.72		5.2		890	6670
I-D	5/1/2007	1720.95		9.1		936	7850
I-D	7/31/2007	1712.77		9.4		1000	8820
I-D	11/6/2007	1716.38		9.5		999	8250
I-D	2/5/2008	1710.62		9.3		817	8400
I-D	5/6/2008	1710.49		9.8		779	8350 J-
I-E	5/1/2007	1707.95		13		835	4880
I-E	7/31/2007	1708.03		13		1070	10300
I-E	11/6/2007	1708.29		13		1040	7650
I-E	2/5/2008	1708.03		13		1060	9950
I-E	5/6/2008	1707.96		13		782	10600
I-F	5/1/2007	1722.47		26		1170	15500
I-F	7/31/2007	1721.94		26		1450	15600
I-F	11/6/2007	1721.16		27		1500	16800
I-F	2/6/2008	1721.91		27 d		1660 d	15300
I-F	5/6/2008	1711.22		23		1440	13700
I-H	5/1/2007	1721.00		18		842	11200
I-H	7/31/2007	1711.09		16		923	10500
I-H	11/6/2007	1712.38		19		1250	7160 J-
I-H	2/5/2008	1711.24		23		1760	9750
I-H	5/6/2008	1708.49		33		1640	11200 J-
I-I	5/4/2007	1721.82		21		847	10600
I-I	8/1/2007	1721.26		20		1140	13400

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
Tronox LLC, Henderson, Nevada
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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
I-I	11/7/2007	1720.85		21		989	16400 J
I-I	2/6/2008	1720.73		22 d		1000 d	10900
I-I	5/7/2008	1720.37		22		949	12100
I-J	5/4/2007	1719.68		2.4		180	6620
I-J	8/1/2007	1707.88		2.4		204	6260
I-J	11/7/2007	1717.42		2.7		215	6620 J
I-J	2/6/2008	1707.76		2.9 d		225 d	6470
I-J	5/7/2008	1708.12		3		217	6400
I-K	5/4/2007	1713.63		1		61.9	5540
I-K	8/1/2007	1709.60		0.97		55.8	5650
I-K	11/7/2007	1710.56		1.1		73.9	5620 J
I-K	2/6/2008	1710.93		1.2 d		89.6 d	5830
I-K	5/7/2008	1712.00		1.2		82	5810
I-L	5/1/2007	1716.47		0.67		1780	6850
I-L	7/31/2007	1719.68		0.8		2160	6740
I-L	11/6/2007	1715.63		1.4		1750	7240 J-
I-L	2/5/2008	1715.91		1.4		1640	6620
I-L	5/6/2008	1716.55		1.3		1260	5520
I-M	5/1/2007	1713.85		12		660	9200
I-M	7/31/2007	1713.54		11		886	10200
I-M	11/6/2007	1714.35		11		922	9700
I-M	2/5/2008	1712.13		12		741	9400
I-M	5/6/2008	1711.84		12		834	9100
I-N	5/1/2007	1721.90		15		1590	12800
I-N	7/31/2007	1720.97		15		1700	12400
I-N	11/6/2007	1720.45		15		1630	12200 J-
I-N	2/8/2008	1721.41		15		1110	12000
I-N	5/6/2008	1713.78		15		1100	11800
I-O	5/1/2007	1720.98		29		1690	14900
I-O	7/31/2007	1715.00		29		1910	16400
I-O	11/6/2007	1718.59		31		1990	16350
I-O	2/5/2008	1714.64		31		2000	12300
I-O	5/6/2008	1717.06		32		1720	11900 J-
I-P	5/1/2007	1712.85		31		1630	15100
I-P	7/31/2007	1709.98		29		1860	17100
I-P	11/6/2007	1716.42		30		1960	11400
I-P	2/5/2008	1708.83		25		2190	10100
I-P	5/6/2008	1708.08		31		1810	12300 J-
I-Q	5/1/2007	1714.95		31		1390	17100
I-Q	7/31/2007	1718.76		31		1810	18000
I-Q	11/6/2007	1714.18		31		1810	16400
I-Q	2/5/2008	1714.50		32		1670	10900
I-Q	5/6/2008	1720.29		17		1000	11600
I-R	5/1/2007	1714.89		0.37		2480	7980
I-R	7/31/2007	1715.96		0.44		3060	7430
I-R	11/6/2007	1714.15		0.59		3100	8240
I-R	2/5/2008	1713.36		0.84		2500	7720
I-R	5/6/2008	1710.63		0.72		2470	7670
I-S	5/1/2007	1709.11		1.5		981	6170
I-S	7/31/2007	1706.75		1.9		1160	5880
I-S	11/6/2007	1705.85		2.8		1060	7030
I-S	2/5/2008	1705.66		2.9		983	6500
I-S	5/6/2008	1706.01		2.5		907	5420
I-T	5/1/2007	1722.46		16		932	10100
I-T	7/31/2007	1710.34		30		1920	17400
I-T	11/6/2007	1709.58		30		2010	20250
I-T	2/5/2008	1709.12		28		1940	11800
I-T	5/6/2008	1708.88		32		1870	16000 J-
I-U	5/1/2007	1715.12		30		1670	18100
I-U	7/31/2007	1718.76		43		1850	18000
I-U	11/6/2007	1708.97		32		2100	17500
I-U	5/6/2008	1706.66		32		1900	12200 J-
I-V	5/3/2007	1720.81		22		1650 J	14000 J
I-V	8/1/2007	1720.09		21		2080	14500
I-V	11/7/2007	1719.04		23		1880	14600 J
I-V	2/6/2008	1718.47		24 d		2010 d	10800

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
I-V	5/7/2008	1718.05		24		1720	9900
I-W	11/6/2007	--		30		2050	18200
I-X	11/6/2007	--		20		2520	14450
I-Y	11/6/2007	--		0.5		3570	7350
I-Z	5/4/2007	1711.17		10		530	8960
I-Z	8/1/2007	1710.66		9.5		654	9170
I-Z	11/7/2007	1710.78		11		634	9800 J
I-Z	2/6/2008	1709.46		12 d		656 d	7780
I-Z	5/7/2008	1709.91		11		575	9400
L-635	4/10/2007	1605.50				0.01 U	7240
L-635	5/9/2007	1605.43		0.02 U		0.01 U	6500
L-635	6/12/2007	1605.37				0.01 U	7440
L-635	7/11/2007	1605.35				0.004 U	7400
L-635	8/14/2007	1604.29		0.01 U		0.01 U	7230
L-635	9/11/2007	1607.03				0.01 U	7350
L-635	10/10/2007	1605.30				0.01 U	7430
L-635	11/13/2007	1605.31		0.1 U		0.017	6300 J-
L-635	12/11/2007	1605.45				0.004 U	7410
L-635	1/8/2008	1605.04				0.01 U	7850
L-635	2/12/2008	1605.34		0.1 U		0.01 U	7150
L-635	3/11/2008	1605.38				0.01 U	5700
L-635	4/16/2008	1605.37				0.01 U	7360
L-635	5/13/2008	1605.35		0.02 U		0.04 U	6800
L-635	6/18/2008	--				0.01 UJ	7700
L-637	4/10/2007	1611.06				0.021	7040
L-637	5/10/2007	1610.99		0.02 U		0.017	7150
L-637	6/12/2007	1610.99				0.019	7040
L-637	7/11/2007	1610.96				0.022	7100
L-637	8/14/2007	1611.02		0.01 U		0.139	6400
L-637	9/11/2007	1610.95				0.013	6690
L-637	10/10/2007	1611.06				0.01 U	6960
L-637	11/13/2007	1610.92		0.1 U		0.026	6500 J-
L-637	12/11/2007	1611.09				0.019	7200
L-637	1/8/2008	1610.94				0.018	7300
L-637	2/12/2008	1610.95		0.2 U		0.017	6500
L-637	3/11/2008	1610.99				0.01 U	5400
L-637	4/16/2008	1611.06				0.01 U	6620
L-637	5/13/2008	1611.02		0.01 U		0.08 U	6400 J-
L-637	6/18/2008	--				0.01 UJ	6940
LK-3	5/1/2007	--				9 d	9350
LK-3	5/8/2008	1619.13				0.025	2880
M-10	5/1/2007	1786.58	220	0.72	3.2	25.6	3100
M-10	8/2/2007	1786.74		0.97	3.6	30.1	3260
M-10	11/7/2007	--		0.89	1 U	26.4	3200
M-10	2/6/2008	1789.91		1.4 d		28.2 d	3110
M-10	2/7/2008	1789.91		0.27	2.2		3000
M-10	5/8/2008	1788.78	233	1.1	2.6	26.8	3210
M-100	5/3/2007	1704.16		0.24		12.9 J	546 J
M-100	8/2/2007	1702.27		0.19		37.5	1540
M-100	11/8/2007	1700.46		0.24		39.7	1480
M-100	6/25/2008	--		0.26		49.8	
M-101	5/3/2007	1702.19		0.54		100 J	3390 J
M-101	8/2/2007	1700.44		0.47		103	3380
M-102	5/3/2007	1702.19		1		92.1 J	1920 J
M-102	8/2/2007	1700.86		1.3		147	2330
M-102	11/8/2007	1699.57		3.4		346	3420 J-
M-102	6/25/2008	--		1.9		173	
M-103	5/13/2008	1797.65		0.021		0.335	1880
M-11	5/2/2007	1772.02	434	2.7	3.01	25.1	3180
M-11	8/2/2007	1771.71		2.6		33.9	3400
M-11	11/7/2007	1771.86		2.7		33.2	3330 J
M-11	2/7/2008	1772.12		2.8		30.1	3100
M-11	5/7/2008	1772.42	470	2.8	4 J	34.3	3350
M-111A	1/18/2008	--		0.051		432	4070
M-111A	2/8/2008	--		0.05		375	4000
M-111A	5/12/2008	--		0.069		364	4080

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Tronox LLC, Henderson, Nevada
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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
M-115	5/4/2007	--		0.049		24.4	2630
M-115	8/3/2007	--		0.036		32	2900
M-115	11/9/2007	--		0.03		38.6	3120
M-115	2/8/2008	--		0.02		32.4	3200
M-115	5/9/2008	--		0.031		29.1	3170
M-117	5/4/2007	--		0.02 U		0.01 U	716
M-117	5/13/2008	--		0.02 U		0.004 U	736
M-118	5/4/2007	--		0.041		0.01 U	802
M-118	5/13/2008	--		0.028		0.0076	784
M-120	5/10/2008	--		0.02 U		0.821	1860
M-121	5/4/2007	--		0.1		1.1	2810
M-121	5/10/2008	--		0.078		1.46	2190
M-126	1/17/2008	--		0.02 U		0.016	13500
M-126	2/5/2008	--		0.02 U		0.02 U	13800
M-126	5/11/2008	--		0.02 U		0.08 UJ	13700 J
M-129	5/9/2008	--		0.55		35.8	5840
M-129	6/2/2008	--		0.67		37	6450
M-130	5/9/2008	--		0.021		35.5	5190
M-130	6/2/2008	--		0.048		37.8	6300
M-131	1/17/2008	--				68.5	2750
M-131	2/5/2008	--		0.061		67.7	3000
M-131	5/6/2008	--		0.081		62.9	3100
M-132	1/17/2008	--		0.041		24	2540
M-132	2/6/2008	--		0.046 d		23.2 d	2890
M-132	5/12/2008	--		0.05 U		15.7	2350
M-133	1/17/2008	--		0.28		8.85	3310
M-133	2/6/2008	--		0.36 d		8.8 d	4800
M-133	5/12/2008	--		0.97		10.6	6270
M-134	1/17/2008	--		0.056 U		124 U	2760
M-134	2/5/2008	--		0.079		122	2670
M-134	5/11/2008	--		0.12		122	2810 J
M-135	1/17/2008	--		0.079		48.1	3260
M-135	2/5/2008	--		0.081		46.5	3420
M-135	5/6/2008	--		0.085		42.1	3430
M-135	5/11/2008	--		0.026		42.8	6620 J
M-136	1/17/2008	--		0.087		168	7120
M-136	2/5/2008	--		0.073		116	1380
M-136	5/11/2008	--		0.02 U		109	1400 J
M-14A	5/4/2007	--		0.081		29.8	3490
M-14A	8/3/2007	--		0.053		32.2	3370
M-14A	11/9/2007	--		0.062		32.7	3330
M-14A	2/8/2008	--		0.06		29.9	3200
M-14A	5/9/2008	--		0.058		28.2	3110
M-17A	5/4/2007	1736.00		28		671	12800
M-17A	8/3/2007	1735.58		27		974	13800 J-
M-17A	11/9/2007	1735.37		30		858	12700
M-17A	2/8/2008	1735.41		31		906	16000
M-17A	5/8/2008	1735.52		30		826	9500 J-
M-19	5/2/2007	1732.26		0.34		1.91	3720
M-19	8/1/2007	1731.84		0.38		2.49	4820
M-19	11/7/2007	1731.75		0.37		1.78	3820 J
M-19	2/6/2008	1731.86		0.33 d		1.61 d	3530
M-19	5/7/2008	1731.77		0.33		1.4	3640
M-23	4/30/2007	1695.19	384	0.88	56.8	436	4320
M-23	7/30/2007	1694.60		0.75		391	4550
M-23	11/5/2007	1693.37		0.63		407	4180
M-23	2/4/2008	1692.34		0.64		462	3380
M-23	5/5/2008	1691.45	433	0.73	53 J	487	4430
M-25	5/1/2007	1726.96	3440	12	11.9	495	9380
M-25	7/31/2007	1726.65		12		492	9400
M-25	11/8/2007	1725.96		13		432	9460
M-25	2/5/2008	1726.11		13		434	6000
M-25	5/6/2008	1726.11	3490	13	64	413	9000
M-31A	5/2/2007	1750.82		13		1400	8750
M-31A	8/1/2007	1750.03		11		1710	9330
M-31A	11/7/2007	1750.49		12		1620	6200 J

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
M-31A	2/6/2008	1750.73		11 d		1490 d	9160
M-31A	5/7/2008	1750.88		11		1280	8900
M-34	5/2/2007	1739.58		17		1670	9850
M-34	8/1/2007	--		16		2130	11900
M-34	11/7/2007	--		17		1880	7680 J
M-34	2/6/2008	--		16 d		1680 d	10200
M-34	5/12/2008	1739.17		15		1570	8700
M-35	5/2/2007	1740.43		6.2		408	6090
M-35	8/1/2007	1739.98		9.4		407	7280
M-35	11/7/2007	1739.95		9.1		351	6750 J
M-35	2/6/2008	1740.11		8.5 d		348 d	5860
M-35	5/12/2008	1740.01		2.8 d		130	3360
M-36	5/3/2007	1727.74	6620 d	34	59.4 d	1510 J	15400 J
M-36	8/2/2007	1726.40		33		1800	17500
M-36	11/8/2007	1727.15		35		1650	13400
M-36	2/7/2008	1727.07		35		1590	19000
M-36	5/8/2008	1727.10	8150	35	55.2	1510	12000 J-
M-37	5/1/2007	1729.44	19.2	0.032	84.1	3310	6180
M-37	7/31/2007	1729.01		0.033		2590	5950 J-
M-37	11/8/2007	1728.02		0.12		2470	5760
M-37	2/5/2008	1728.17		0.028		2410	5500
M-37	5/6/2008	1728.26	19.2	0.032	119	2200	4930
M-38	5/4/2007	1728.60		26		863	13500
M-38	8/3/2007	1728.30		26		906	14600
M-38	11/8/2007	1728.19		27		909	15400
M-38	2/7/2008	1728.21		29		889	15000
M-38	5/8/2008	1728.27		28		952	11800 J-
M-39	5/2/2007	1729.46	1380	4.7	10.3	403	6990
M-39	8/1/2007	1729.03		4.6		489	7280
M-39	11/7/2007	1728.89		4.8		451	7820 J
M-39	2/6/2008	1728.86		5 d		471 d	7960
M-39	5/7/2008	1728.58	1480	4.9	16 J	439	6870
M-44	4/30/2007	1680.18		0.92		754	7240
M-44	7/30/2007	1679.66		0.88		854	9320
M-44	11/5/2007	1679.41		0.87		789	8500
M-44	2/4/2008	1678.97		0.84		767	7270
M-44	5/5/2008	1678.59		0.86		644	8070
M-48	4/30/2007	1696.96	340	1	18.3	163	2850
M-48	7/30/2007	1696.29		0.97		167	2980
M-48	11/5/2007	1695.05		0.96		163	2670
M-48	2/4/2008	1693.99		1.1		195	2810
M-48	5/5/2008	1693.04	491	1.5	17.8 J	227	3120
M-50	5/2/2007	1749.11		31		776	12400
M-50	8/1/2007	1748.62		29		1080	14100
M-50	11/7/2007	1748.89		31		960	15900
M-50	2/6/2008	1748.99		28 d		1000 d	14100
M-50	5/7/2008	1749.13		31		922	14300
M-57A	5/1/2007	--		0.081		20.4	3180
M-57A	7/31/2007	--		0.083		23.9	3060
M-57A	11/6/2007	--		0.084		25	3380
M-57A	2/5/2008	--		0.056		22.6	3080
M-57A	5/6/2008	--		0.076		27.2	3160
M-61	5/3/2007	1722.83		1.2 d		72	5680
M-61	8/1/2007	1722.19		1		81	5500
M-61	11/9/2007	1722.16		1.2		89.4	5984
M-61	2/6/2008	1721.93		1.3 d		100 d	5540
M-61	5/12/2008	1721.91		1.3		96.5	5240
M-64	5/4/2007	1720.87		7.2		709	7900
M-64	7/31/2007	1720.49		8.2		821	8170
M-64	11/6/2007	1719.88		7.9		844	8630
M-64	2/5/2008	1720.18		7.2		533	6760
M-64	5/12/2008	1719.27		9.8		668	8400
M-65	5/4/2007	1723.48		33		1250	14700
M-65	7/31/2007	1722.95		33		1460	18700
M-65	11/6/2007	1722.11		35		1500	12350
M-65	2/5/2008	1722.19		33		1410	17600

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
M-65	5/12/2008	1721.74		36		1320	13800 J-
M-66	5/4/2007	1723.52		34		1660	17300
M-66	7/31/2007	1723.15		32		1800	18600
M-66	11/6/2007	1722.74		34		1860	12850
M-66	2/5/2008	1722.58		34		1820	16100
M-66	5/12/2008	1722.54		36		1640	13000 J-
M-67	5/4/2007	1724.26		5.5		485	8140
M-67	8/1/2007	1723.65		5.5		582	7790
M-67	11/7/2007	1723.76		6.4		588	9140 J
M-67	2/6/2008	1723.52		3.8 d		588 d	7170
M-67	5/12/2008	1723.49		6.8		521	7600
M-68	5/3/2007	1724.20		0.77		35.4 J	5610 J
M-68	8/1/2007	1723.60		0.91		61	6350
M-68	11/7/2007	1723.49		0.96		67	6220 J
M-68	2/6/2008	1721.72		1.1 d		72.5 d	6020
M-68	5/7/2008	1721.62		1.1		69.3	5710
M-69	5/1/2007	1718.31		0.067 d		578	4430
M-69	7/31/2007	1717.31		0.071		464	4050
M-69	11/6/2007	1716.77		0.08		381	4252
M-69	2/5/2008	1716.28		0.076		324	3770
M-69	5/6/2008	1719.02		0.081		420	4040
M-70	5/4/2007	1718.30		5.1		669	8430
M-70	8/3/2007	1716.17		7.5		994	9580
M-70	11/8/2007	1715.68		8.1		902	9400
M-70	2/7/2008	1714.67		8.2		883	9100
M-70	5/8/2008	1723.55		4		367	5020
M-71	5/4/2007	1716.50		5		541	8300
M-71	8/3/2007	1714.14		5.1		764	7670
M-71	11/8/2007	1713.04		6.2		742	7750
M-71	2/7/2008	1712.38		6.6		680	7800
M-71	5/8/2008	1717.83		4.9		674	7590 J-
M-72	5/4/2007	1716.80		5.3		885	8720
M-72	8/3/2007	1714.24		4.8		1080	8860
M-72	11/8/2007	1714.12		4		815	8460 J-
M-72	2/7/2008	1713.80		4.4		802	8000
M-72	5/8/2008	1715.67		4.3		899	7950
M-73	5/3/2007	1711.97		1.4		86.1 J	2120 J
M-73	8/2/2007	1712.00		2.9		227	3830
M-73	11/7/2007	1711.98		4		295	4720 J
M-73	2/6/2008	1711.78		3.5 d		276 d	4530
M-73	5/8/2008	1712.01		3.8		249	4370 J-
M-74	5/3/2007	1716.24		0.79		33.9 J	6010 J
M-74	8/2/2007	1714.92		0.76		42.8	6040
M-74	11/7/2007	1715.29		0.82		43.8	6230 J
M-74	2/6/2008	1715.05		0.86 d		50.7 d	5860
M-74	5/8/2008	1714.93		0.91		47.5	5870
M-76	5/4/2007	1746.07		3.7		77.9	4320
M-76	11/9/2007	1745.38		2.7		90.7	4130
M-76	2/8/2008	1745.56		2.7		92.8	4200
M-76	5/8/2008	1745.67		2.8		102	4060
M-77	5/2/2007	1762.31		0.4		168	2400
M-77	5/7/2008	1762.26		0.4		237	3490
M-79	5/1/2007	1714.94		0.044		14.7	1320
M-79	7/31/2007	1713.33		0.5		134	2350
M-79	11/6/2007	1712.48		1.7		481	4580
M-79	2/5/2008	1711.90		2.3		987	5680
M-79	5/6/2008	1716.87		0.42		79.7	1640
M-83	4/12/2007	1717.48				5.48	1090
M-83	5/3/2007	1716.41		0.034		7.07 J	1040 J
M-83	5/10/2007	1716.41		1.5		265	3150
M-83	6/14/2007	1714.99				19	1270
M-83	7/13/2007	1714.63				24.5	1160
M-83	8/3/2007	1714.34		0.093		9.53	996
M-83	8/16/2007	1714.34		0.15		15.7	1070
M-83	9/14/2007	1713.74				28.2	1130
M-83	10/12/2007	1713.81				229	2620

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
M-83	11/8/2007	1714.04		0.084		9.14	1160
M-83	11/12/2007	1714.04		1.2		250	3140
M-83	12/13/2007	1713.69				8.63	1050
M-83	1/17/2008	1713.79				20	1410
M-83	2/7/2008	1712.64		0.31		39.3	1300
M-83	2/12/2008	1712.64		1.4		258	3030
M-83	3/13/2008	1715.74				94.2	1640 J
M-83	4/17/2008	1719.34				41.6	1370
M-83	5/8/2008	1721.54		0.18		47.4	2220
M-83	5/12/2008	1721.54		0.11		0.02 UJ	2650
M-84	5/3/2007	1715.82		0.042		4.1 J	1250 J
M-84	8/2/2007	1713.59		0.08 J		9.31	994
M-84	11/8/2007	1712.76		0.14		18.7	1020
M-84	2/7/2008	1711.83		0.14		17.9	970
M-84	5/12/2008	1718.20		0.12		16	1040
M-85	5/3/2007	1714.57		0.033		17.8 J	958 J
M-85	8/3/2007	1712.31		0.075		24.7	1010
M-85	11/8/2007	1710.79		0.091		26.6	1060
M-85	2/7/2008	1709.04		1.4		38.4	1200
M-85	5/8/2008	1714.28		0.065		19.7	970
M-86	5/3/2007	1713.14		1.4		295 J	3240 J
M-86	8/2/2007	1711.72		1.8		497	4050
M-86	11/8/2007	1710.10		2.2		521	4530
M-86	2/7/2008	1709.04		2.5		609	4800
M-86	5/8/2008	1711.90		2.7		649	5270
M-87	4/12/2007	1709.29				120	1910
M-87	5/3/2007	1709.08		1.5		121 J	2030 J
M-87	5/10/2007	1709.08		0.99		271	3500
M-87	6/14/2007	1708.35				147	2370
M-87	7/13/2007	1708.04				216	3070
M-87	8/2/2007	1707.94		1.9		196	2610
M-87	8/16/2007	1707.94		2.4		197	2860
M-87	9/14/2007	1707.56				211	2490
M-87	10/12/2007	1707.45				218	2760
M-87	11/8/2007	1707.22		2.4		216	2990
M-87	11/12/2007	1707.22		2.8		232	3060
M-87	12/13/2007	1707.01				244	3500
M-87	1/17/2008	1706.87				259	3010
M-87	2/7/2008	1706.77		2.5		269	3400
M-87	2/12/2008	1706.77		2.8		288	4580
M-87	3/13/2008	1706.89				297	3920 J
M-87	4/17/2008	1707.15				270	3330
M-87	5/8/2008	1707.44		2.9		279	3700
M-87	5/12/2008	1707.44		2.9		277	3270
M-87	6/18/2008	--				282	2450
M-88	5/3/2007	1708.55		0.97		47.8 J	6260 J
M-88	8/2/2007	1708.02		0.87		55.3	6510
M-88	11/7/2007	1707.75		0.93		50.6	7020 J
M-88	2/6/2008	1707.44		0.96 d		58.6 d	7480
M-88	5/8/2008	1707.48		0.88		45.8	5780
M-89	5/4/2007	1732.81		21		774	11100
M-89	8/3/2007	1732.46		23		728	12300 J-
M-89	11/9/2007	1732.26		25		770	9100
M-89	2/7/2008	1732.23		26		798	15000
M-89	5/8/2008	1732.32		25		807	13400
M-92	5/3/2007	1763.52		0.02 U		0.695 J	1920 J
M-92	8/1/2007	1762.99		0.02 U		0.752	1990
M-92	11/7/2007	1762.84		0.02		0.925	1956 J
M-92	2/6/2008	1762.99		0.015 d		0.844 d	1970
M-92	5/7/2008	1763.31		0.02 U		0.768 J+	1990
M-94	4/30/2007	1683.49		0.73		681	7620
M-94	7/30/2007	1683.31		0.72		625	8280
M-94	11/5/2007	1682.99		0.62		550	7280
M-94	2/4/2008	1682.29		0.59		579	7120
M-95	4/30/2007	1684.12		1.7		612	7740
M-95	11/5/2007	1683.64		1.5		542	7890

Appendix A - Table A-1
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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
M-95	2/4/2008	1682.86		1.4		592	7040
M-95	5/5/2008	1682.78		1.3		541	7240
M-96	4/30/2007	1683.40		1.7		425	7050
M-96	7/30/2007	1683.18		1.7		421	7800
M-96	11/5/2007	1683.15		1.4		351	7240
M-96	2/4/2008	1682.20		1.2		345	6340
M-96	5/5/2008	1681.66		1.3		321	6500
M-97	5/3/2007	1760.42		0.063		76.8 J	3770 J
M-97	8/1/2007	1759.88		0.61		89.2	3730
M-97	11/7/2007	1759.85		0.05		78.6	3648 J
M-97	2/6/2008	1759.93		0.05 d		80.4 d	3280
M-97	5/7/2008	1760.69		0.045		72.3	3380
M-98	5/1/2007	1701.79		0.091		17.3	3810
M-98	7/31/2007	1701.01		0.089		19.4	3620
M-99	5/1/2007	1702.42		1.1		756	5900
M-99	7/31/2007	1701.49		1.1		905	5760
M-99	11/6/2007	1699.39		0.43		447	5136
M-99	2/5/2008	1698.06		0.32		322	4200
M-99	5/6/2008	1697.14		0.27		217	3570
MC-29	5/3/2007	1689.41				1.89	17100
MC-29	5/11/2008	1688.94				0.664	16500 J
MC-3	5/3/2007	1691.97				1.44	20800
MC-3	5/10/2008	1691.79				0.16 UJ	27100
MC-50	5/3/2007	1685.85				6.9	10150
MC-50	5/11/2008	1685.53				3.03	11400 J
MC-51	5/3/2007	1687.40				7.61	9750
MC-51	5/10/2008	1686.94				6.18	11800
MC-53	5/3/2007	1686.22		0.02 U		5.13	9550
MC-53	5/11/2008	1685.50		0.02 U		4.87	10300 J
MC-6	5/3/2007	1685.98				7.73	10000
MC-6	5/10/2008	1685.74				5.33	13300
MC-65	5/3/2007	1672.74				291	8650
MC-65	5/10/2008	1672.45				75	7400
MC-69	5/3/2007	1689.11				3.66	9950
MC-69	5/10/2008	1689.19				5.31	13100
MC-7	5/3/2007	1692.17				10.3	14100
MC-7	5/10/2008	1692.02				8.9	15700
MC-93	5/3/2007	1688.90				13	6800
MC-93	5/11/2008	1688.06				11.4	8450 J
MC-97	5/3/2007	1685.63				8.37	8100
MC-97	5/11/2008	1684.69				4.59	9300 J
MW-K4	4/11/2007	1587.60				184	6890
MW-K4	5/14/2007	1587.48		0.14		178	6790
MW-K4	6/13/2007	1587.13				163	7090
MW-K4	7/12/2007	1586.87				130	7740
MW-K4	8/15/2007	1586.95		0.049		109	7570 J
MW-K4	9/14/2007	1586.73				122	7280
MW-K4	10/11/2007	1586.60				109	7440
MW-K4	11/14/2007	1586.48		0.043		100	6770
MW-K4	12/12/2007	1586.60				103	7260
MW-K4	1/9/2008	1586.58				102	5400
MW-K4	2/13/2008	1586.61		0.041		101	6550
MW-K4	3/12/2008	1586.88				96.4	6700 J-
MW-K4	4/17/2008	1586.68				76.2	7260
MW-K4	5/15/2008	1586.70		0.032		59.8	6150
MW-K4	6/17/2008	--				57.8	7060 J-
MW-K5	4/12/2007	1570.77				19	6910
MW-K5	5/10/2007	1574.86	45.8	0.026	9.22	16.8	5480
MW-K5	6/14/2007	1575.98				11.4	4290
MW-K5	7/13/2007	1569.66				11.2	6960
MW-K5	8/17/2007	1570.89		0.019		11.3	6800
MW-K5	9/12/2007	1569.04				16.9	6930
MW-K5	10/11/2007	1568.81				14.7	6860
MW-K5	11/14/2007	1568.01		0.022		12.9	9500
MW-K5	12/13/2007	1568.32				13.8	7210
MW-K5	1/10/2008	1569.00				14.1	9300

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
MW-K5	2/14/2008	1577.97		0.02 U		2.28	2320
MW-K5	3/13/2008	1570.11				13.1	5550 J
MW-K5	4/17/2008	1569.26				15.5	7150
MW-K5	5/15/2008	1569.91	53.9	0.027	11	14.1	7050
MW-K5	6/17/2008	--				11.5	7200 J-
MW-16	5/12/2008	--		0.02 U		0.04 UJ	11100 J-
PC-1	5/1/2007	--		0.066 d		8.76 d	6790
PC-1	5/8/2008	1574.44		0.078		12.1	5960
PC-101R	4/11/2007	1590.15				103	9450
PC-101R	5/9/2007	1589.53		0.088		212	8050
PC-101R	6/13/2007	1589.14				213	10200
PC-101R	7/12/2007	1589.00				222	10380
PC-101R	8/15/2007	1589.18		0.077		185	8900
PC-101R	9/12/2007	1588.96				231	9930
PC-101R	10/11/2007	1588.83				245	9980
PC-101R	11/14/2007	1588.75		0.1 U		205	9150 J-
PC-101R	12/12/2007	1588.93				201	10800
PC-101R	1/9/2008	1588.90				219	10200
PC-101R	2/13/2008	1588.91		0.08		225	9250
PC-101R	3/12/2008	1589.10				197	10200
PC-101R	4/16/2008	1588.93				158	9720
PC-101R	5/13/2008	1588.35		0.075		177	9600
PC-103	4/12/2007	1576.38				5.8	4400
PC-103	5/10/2007	1578.33	2.47	0.02 U	6.73	6.76	4470
PC-103	6/14/2007	1578.21				5.14	4380
PC-103	7/13/2007	1575.41				7.74	5170
PC-103	8/17/2007	1576.33		0.01 U		7.28	5070
PC-103	9/12/2007	1575.16				9.26	5130
PC-103	10/11/2007	1575.10				9.65	5410
PC-103	11/14/2007	1575.06		0.01 U		9.61	5280
PC-103	12/13/2007	1575.08				9.42	5330
PC-103	1/10/2008	1575.22				10.2	5600
PC-103	2/14/2008	1576.33		0.02 U		10.3	5120
PC-103	3/13/2008	1575.94				11	4010 J
PC-103	4/17/2008	1575.71				12	5230
PC-103	5/15/2008	1575.83	2.25 J-	0.02 U	4.6	9.59	4780
PC-103	6/17/2008	--				9.65	4440 J-
PC-104	5/2/2007	1571.91		0.02 U		3.82	3310
PC-104	5/8/2008	1567.20		0.032		1.53	2600
PC-107	5/1/2007	--				22.2 d	3710
PC-107	5/8/2008	1607.62				45	3400
PC-108	5/1/2007	1573.23				0.01 U	2610
PC-108	5/9/2008	1572.46				0.02 U	2520
PC-110	5/2/2007	1581.19				7.08	4660
PC-110	5/9/2008	1579.08				3.5	4520
PC-112	5/2/2007	1562.11				0.004 U	2170
PC-112	5/9/2008	1561.16				0.04 U	2380
PC-115R	4/2/2007	1542.00				16.3	5020
PC-115R	4/9/2007	1542.00				14.8	4960
PC-115R	4/16/2007	1542.00				16.4	5000
PC-115R	4/23/2007	1542.00				16.4	4870
PC-115R	4/30/2007	1542.00				17.9	4990
PC-115R	5/7/2007	1541.97		0.02 U		16.3	5110
PC-115R	5/14/2007	1541.97				18.2	5200
PC-115R	5/21/2007	1541.97				18	5240
PC-115R	5/29/2007	1541.97				17.5	5620
PC-115R	6/4/2007	1541.15				16.8	5550
PC-115R	6/11/2007	1541.15				17.5	5410
PC-115R	6/18/2007	1541.15				14.5	5160
PC-115R	6/25/2007	1541.15				13.8	4860
PC-115R	7/2/2007	1539.97				11.9	4440
PC-115R	7/10/2007	1539.97				10.9	4340
PC-115R	7/16/2007	1539.97				11.6	4300
PC-115R	7/23/2007	1539.97				11.3	4240
PC-115R	7/30/2007	1539.97				12	4030
PC-115R	8/6/2007	1540.99				10.6	4050

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-115R	8/13/2007	1540.99		0.01 U		10.4	3730
PC-115R	8/20/2007	1540.99				9.52	3820
PC-115R	8/27/2007	1540.99				10.3	3780
PC-115R	9/4/2007	1541.00				10.7	3870
PC-115R	9/10/2007	1541.00				11	3980
PC-115R	9/17/2007	1541.00				11.8	3990
PC-115R	9/24/2007	1541.00				10.2	4060
PC-115R	10/1/2007	1540.93				10.6	3980
PC-115R	10/8/2007	1540.93				12.3	4020
PC-115R	10/15/2007	1540.93				11.3	3980
PC-115R	10/22/2007	1540.93				10.6	3950
PC-115R	10/29/2007	1540.93				10.8	4050
PC-115R	11/5/2007	1545.08				10.8	4148
PC-115R	11/12/2007	1545.08		0.1 U		10.8	4060
PC-115R	11/19/2007	1545.08				10.6	4140
PC-115R	11/26/2007	1545.08				10.6	4140
PC-115R	12/10/2007	1541.28				10.4	4240
PC-115R	1/7/2008	1541.48				12	4400
PC-115R	2/11/2008	1541.78		0.02 U		12.2	4500
PC-115R	3/10/2008	1542.34				11.9	4540
PC-115R	4/7/2008	1542.28				11.1	4780
PC-115R	5/12/2008	1541.98		0.02 U		9.23	4040
PC-115R	6/9/2008	--				9.53	4300
PC-116R	4/2/2007	1541.28				14.2	5220
PC-116R	4/9/2007	1541.28				13.8	5170
PC-116R	4/16/2007	1541.28				13.8	5130
PC-116R	4/23/2007	1541.28				13.6	3620
PC-116R	4/30/2007	1541.28				13.9	5090
PC-116R	5/7/2007	1531.69		0.02 U		14.2	5320
PC-116R	5/14/2007	1531.69				14.9	5110
PC-116R	5/21/2007	1531.69				15.2	5250
PC-116R	5/29/2007	1531.69				14.1	5630
PC-116R	6/4/2007	1529.37				12.3	5440
PC-116R	6/11/2007	1529.37				12.9	5340
PC-116R	6/18/2007	1529.37				13.1	5330
PC-116R	6/25/2007	1529.37				11.7	5140
PC-116R	7/2/2007	1532.35				10.5	4790
PC-116R	7/10/2007	1532.35				9.28	4710
PC-116R	7/16/2007	1532.35				9.05	4520
PC-116R	7/23/2007	1532.35				9.27	4310
PC-116R	7/30/2007	1532.35				8.47	4060
PC-116R	8/6/2007	1537.00				7.88	4030
PC-116R	8/13/2007	1537.00		0.01 U		7.04	3690
PC-116R	8/20/2007	1537.00				6.34	3840
PC-116R	8/27/2007	1537.00				7.07	3700
PC-116R	9/4/2007	1530.80				7.18	3770
PC-116R	9/10/2007	1530.80				6.84	3770
PC-116R	9/17/2007	1530.80				7.25	3750
PC-116R	9/24/2007	1530.80				6.69	3780
PC-116R	10/1/2007	1535.29				6.72	3730
PC-116R	10/8/2007	1535.29				6.35	3750
PC-116R	10/15/2007	1535.29				6.68	3680
PC-116R	10/22/2007	1535.29				6.59	3810
PC-116R	10/29/2007	1535.29				6.85	3880
PC-116R	11/5/2007	1534.98				6.98	3840
PC-116R	11/12/2007	1534.98		0.1 U		7.23	3780
PC-116R	11/19/2007	1534.98				7.54	3940
PC-116R	11/26/2007	1534.98				7.42	3816
PC-116R	12/10/2007	1531.83				9.69	4170
PC-116R	1/7/2008	1534.02				8.78	4200
PC-116R	2/11/2008	1532.78		0.02 U		9.28	4100
PC-116R	3/10/2008	1535.09				7.61	4060
PC-116R	4/7/2008	1535.54				6.67	4090
PC-116R	5/12/2008	1532.79		0.02 U		5.1	3970
PC-116R	6/9/2008	--				5.48	4180
PC-117	4/2/2007	1547.20				5.25	4150

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-117	4/9/2007	1547.20				4.76	3960
PC-117	4/16/2007	1547.20				4.25	3910
PC-117	4/23/2007	1547.20				4.41	3890
PC-117	4/30/2007	1547.20				4.17	3800
PC-117	5/7/2007	--		0.02 U		4.69	3910
PC-117	5/14/2007	--				4.78	3860
PC-117	5/21/2007	--				4.79	4110 J-
PC-117	5/29/2007	--				4.13	2620
PC-117	6/4/2007	1544.66				3.48	3840
PC-117	6/11/2007	1544.66				3.55	3730
PC-117	6/18/2007	1544.66				4.3	3800
PC-117	6/25/2007	1544.66				3.47	3720
PC-117	7/2/2007	--				3.53	3650
PC-117	7/10/2007	--				3.07	3510
PC-117	7/16/2007	--				2.82	3350
PC-117	7/23/2007	--				3.1	3450
PC-117	7/30/2007	--				2.86	3350
PC-117	8/6/2007	1539.41				2.83	3420
PC-117	8/13/2007	1539.41		0.01 U		2.45	3140
PC-117	8/20/2007	1539.41				2.26	3210
PC-117	8/27/2007	1539.41				2.47	3210
PC-117	9/4/2007	1539.95				2.25	3190
PC-117	9/10/2007	1539.95				2.46	3210
PC-117	9/17/2007	1539.95				2.42	3090
PC-117	9/24/2007	1539.95				2.47	3120
PC-117	10/1/2007	1540.12				2.17	3090
PC-117	10/8/2007	1540.12				1.98	3080
PC-117	10/15/2007	1540.12				1.91	3040
PC-117	10/22/2007	1540.12				2.14	3090
PC-117	10/29/2007	1540.12				2.19	3020
PC-117	11/5/2007	1539.80				2.17	2988
PC-117	11/12/2007	1539.80		0.1 U		2.23	3720
PC-117	11/19/2007	1539.80				2.16	3180
PC-117	11/26/2007	1539.80				2.11	2892
PC-117	12/10/2007	1540.05				2.32	2800
PC-117	1/7/2008	1541.02				2.44	2900
PC-117	2/11/2008	1540.40		0.02 U		2.54	2900
PC-117	3/10/2008	1540.83				2.26	3150
PC-117	4/7/2008	1540.23				1.93	3100
PC-117	5/12/2008	1539.65		0.02 U		1.93	3030
PC-117	6/9/2008	--				2.03	3240
PC-118	4/2/2007	1545.34				11.7	4320
PC-118	4/9/2007	1545.34				11.1	4290
PC-118	4/16/2007	1545.34				10.7	4330
PC-118	4/23/2007	1545.34				10.7	4300
PC-118	4/30/2007	1545.34				10.8	4220
PC-118	5/7/2007	1545.39		0.02 U		10.9	4360
PC-118	5/14/2007	1545.39				11.7	4580
PC-118	5/21/2007	1545.39				12.1	4390
PC-118	5/29/2007	1545.39				10.7	4740
PC-118	6/4/2007	1544.66				10.7	4720
PC-118	6/11/2007	1544.66				11.3	4600
PC-118	6/18/2007	1544.66				11.8	4680
PC-118	6/25/2007	1544.66				11.5	4650
PC-118	7/2/2007	1542.82				10.3	4590
PC-118	7/10/2007	1542.82				10.3	4430
PC-118	7/16/2007	1542.82				10.6	4330
PC-118	7/23/2007	1542.82				9.37	4270
PC-118	7/30/2007	1542.82				9.37	4100
PC-118	8/6/2007	1545.27				9.28	4110
PC-118	8/13/2007	1545.27		0.01 U		9.09	3830
PC-118	8/20/2007	1545.27				8.77	3950
PC-118	8/27/2007	1545.27				9.02	3900
PC-118	9/4/2007	1544.51				8.1	3880
PC-118	9/10/2007	1544.51				8.21	3840
PC-118	9/17/2007	1544.51				8.79	3830

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-118	9/24/2007	1544.51				8.45	3840
PC-118	10/1/2007	1544.94				8.19	3850
PC-118	10/8/2007	1544.94				8.04	3860
PC-118	10/15/2007	1544.94				8.57	3830
PC-118	10/22/2007	1544.94				8.28	4030
PC-118	10/29/2007	1544.94				8.1	3960
PC-118	11/5/2007	1545.04				8.14	3876
PC-118	11/12/2007	1545.04		0.1 U		7.77	3920
PC-118	11/19/2007	1545.04				7.78	3920
PC-118	11/26/2007	1545.04				7.56	3940
PC-118	12/10/2007	1545.16				7.82	3840
PC-118	1/7/2008	1545.11				7.13	3900
PC-118	2/11/2008	1545.40		0.02 U		7.97	3900
PC-118	3/10/2008	1545.83				8.54	4210
PC-118	4/7/2008	1546.21				7.72	4160
PC-118	5/12/2008	1545.86		0.02 U		7.63	3910
PC-118	6/9/2008	--				7.46	4070
PC-119	4/2/2007	1548.44				5.88	3670
PC-119	4/9/2007	1548.44				7.11	3930
PC-119	4/16/2007	1548.44				7.27	3940
PC-119	4/23/2007	1548.44				7	3900
PC-119	4/30/2007	1548.44				14	3750
PC-119	5/7/2007	1548.59		0.02 U		6.95	3880
PC-119	5/14/2007	1548.59				8.21	4150
PC-119	5/21/2007	1548.59				7.63	4020
PC-119	5/29/2007	1548.59				8.64	4330
PC-119	6/4/2007	1548.23				7.88	4270
PC-119	6/11/2007	1548.23				7.94	4130
PC-119	6/18/2007	1548.23				8.12	4230
PC-119	6/25/2007	1548.23				8.15	4200
PC-119	7/2/2007	1547.06				8.72	4200
PC-119	7/10/2007	1547.06				7.69	4160
PC-119	7/16/2007	1547.06				7.48	3990
PC-119	7/23/2007	1547.06				7.15	4070
PC-119	7/30/2007	1547.06				7.14	3970
PC-119	8/6/2007	1547.57				4.39	3500
PC-119	8/13/2007	1547.57		0.01 U		4.28	3470
PC-119	8/20/2007	1547.57				4.08	3440
PC-119	8/27/2007	1547.57				3.75	3340
PC-119	9/4/2007	1546.71				3.74	3290
PC-119	9/10/2007	1546.71				3.84	3310
PC-119	9/17/2007	1546.71				3.9	3230
PC-119	9/24/2007	1546.71				3.45	3220
PC-119	10/1/2007	1547.15				3.38	3160
PC-119	10/8/2007	1547.15				3.64	3210
PC-119	10/15/2007	1547.15				3.56	3200
PC-119	10/22/2007	1547.15				3.46	3240
PC-119	10/29/2007	1547.15				3.33	3170
PC-119	11/5/2007	1547.16				3.25	3148
PC-119	11/12/2007	1547.16		0.1 U		2.98	3070
PC-119	11/19/2007	1547.16				2.99	3140
PC-119	11/26/2007	1547.16				2.63	2948
PC-119	12/10/2007	1547.17				2.46	2970
PC-119	1/7/2008	1547.16				2.62	2900
PC-119	2/11/2008	1547.54		0.02 U		2.17	2800
PC-119	3/10/2008	1548.07				3.14	3070
PC-119	4/7/2008	1547.93				2.73	3030
PC-119	5/12/2008	1547.60		0.02 U		2.98	3060
PC-119	6/9/2008	--				2.89	1940
PC-120	4/2/2007	1548.50				2.4	2960
PC-120	4/9/2007	1548.50				2.1	2860
PC-120	4/16/2007	1548.50				2.08	2870
PC-120	4/23/2007	1548.50				1.82	2760
PC-120	4/30/2007	1548.50				1.64	2640
PC-120	5/7/2007	1549.06		0.02 U		1.96	2800
PC-120	5/14/2007	1549.06				2.26	2960

Appendix A - Table A-1
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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-120	5/21/2007	1549.06				2.02	2580
PC-120	5/29/2007	1549.06				2.02	2960
PC-120	6/4/2007	1547.29				1.92	2910
PC-120	6/11/2007	1547.29				2.07	2840
PC-120	6/18/2007	1547.29				2.36	2940
PC-120	6/25/2007	1547.29				2.15	2930
PC-120	7/2/2007	1546.11				1.94	2860
PC-120	7/10/2007	1546.11				2	2870
PC-120	7/16/2007	1546.11				1.91	2820
PC-120	7/23/2007	1546.11				1.55	2810
PC-120	7/30/2007	1546.11				1.88	2840
PC-120	8/6/2007	1549.19				2.02	2820
PC-120	8/13/2007	1549.19		0.01 U		1.88	2840
PC-120	8/20/2007	1549.19				1.52	2730
PC-120	8/27/2007	1549.19				1.46	2690
PC-120	9/4/2007	1548.55				1.34	2660
PC-120	9/10/2007	1548.55				1.59	2700
PC-120	9/17/2007	1548.55				1.61	2680
PC-120	9/24/2007	1548.55				1.32	2650
PC-120	10/1/2007	1549.02				1.42	2630
PC-120	10/8/2007	1549.02				1.53	2650
PC-120	10/15/2007	1549.02				1.45	2600
PC-120	10/22/2007	1549.02				1.42	2610
PC-120	10/29/2007	1549.02				1.48	2670
PC-120	11/5/2007	1549.00				1.58	2630 J-
PC-120	11/12/2007	1549.00		0.01 U		1.45	2630
PC-120	11/19/2007	1549.00				1.24	2600
PC-120	11/26/2007	1549.00				1.28	2480
PC-120	12/10/2007	1549.19				1.12	2650
PC-120	1/7/2008	1549.15				1.04	2500
PC-120	2/11/2008	1549.51		0.02 U		0.734	2400
PC-120	3/10/2008	1550.03				0.809	2420
PC-120	4/7/2008	1549.84				0.862	2570
PC-120	5/12/2008	1549.53		0.02 U		0.801	2530
PC-120	6/9/2008	--				1.04	2480
PC-121	4/2/2007	1549.61				1.89	2800
PC-121	4/9/2007	1549.61				1.92	2770
PC-121	4/16/2007	1549.61				1.54	2640
PC-121	4/23/2007	1549.61				1.43	2640
PC-121	4/30/2007	1549.61				1.61	2700
PC-121	5/7/2007	1549.77		0.02 U		1.4	2750
PC-121	5/14/2007	1549.77				1.49	2500
PC-121	5/21/2007	1549.77				1.43	3860
PC-121	5/29/2007	1549.77				1.52	2780
PC-121	6/4/2007	1548.84				1.32	2780
PC-121	6/11/2007	1548.84				1.05	2620
PC-121	6/18/2007	1548.84				1.09	2650 J-
PC-121	6/25/2007	1548.84				1.1	2570
PC-121	7/2/2007	1547.63				1.24	2640
PC-121	7/10/2007	1547.63				1.02	2630
PC-121	7/16/2007	1547.63				1.2	2620
PC-121	7/23/2007	1547.63				1.27	2660
PC-121	7/30/2007	1547.63				1.34	2620
PC-121	8/6/2007	1548.67				1.32	2600
PC-121	8/13/2007	1548.67		0.01 U		1.35	2640
PC-121	8/20/2007	1548.67				1.56	2760
PC-121	8/27/2007	1548.67				1.57	2730
PC-121	9/4/2007	1548.10				1.59	2680
PC-121	9/10/2007	1548.10				1.44	2660
PC-121	9/17/2007	1548.10				1.37	2650
PC-121	9/24/2007	1548.10				1.27	2620
PC-121	10/1/2007	1548.54				1.43	2670
PC-121	10/8/2007	1548.54				1.33	2680
PC-121	10/15/2007	1548.54				1.7	2690
PC-121	10/22/2007	1548.54				1.73	2740
PC-121	10/29/2007	1548.54				1.69	2680

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-121	11/5/2007	1548.57				1.92	2810 J-
PC-121	11/12/2007	1548.57		0.1 U		1.66	2760
PC-121	11/19/2007	1548.57				1.64	2710
PC-121	11/26/2007	1548.57				1.52	2648
PC-121	12/10/2007	1548.68				1.53	2680
PC-121	1/7/2008	1548.74				1.02	2600
PC-121	2/11/2008	1549.04		0.02 U		0.782	2500
PC-121	3/10/2008	1549.63				0.893	2480
PC-121	4/7/2008	1549.35				0.83	2580
PC-121	5/12/2008	1549.08		0.02 U		0.95	2560
PC-121	6/9/2008	--				1.24	2630
PC-122	4/9/2007	1586.22				10.8	9730
PC-122	5/8/2007	1586.22		0.083		10.8	8400
PC-122	6/11/2007	1585.98				9.69	9520 J-
PC-122	7/12/2007	1585.75				11.2	10000
PC-122	8/14/2007	1585.50		0.081		10	9550
PC-122	9/11/2007	1584.98				11.5	8570
PC-122	10/11/2007	1585.54				12.9	9780
PC-122	11/14/2007	1584.12		0.087		10.8	10100
PC-122	12/13/2007	1585.12				10.4	8900
PC-122	1/10/2008	1585.13				10.1	7500
PC-122	2/14/2008	1585.16		0.09		10.9	7200 J-
PC-122	3/13/2008	1585.27				11.4	6950 J
PC-122	4/17/2008	1585.08				12.2	11100
PC-122	5/14/2008	1584.96		0.083		9.86	9800
PC-122	6/17/2008	--				9.73	10300 J-
PC-123	4/30/2007	--		1.5		393	7670
PC-123	7/30/2007	--		1.5		380	8080
PC-123	11/5/2007	1603.74		1.5		368	7860
PC-123	2/4/2008	1603.41		1.6		397	7450
PC-123	5/5/2008	1581.82		1.8		415	7240
PC-124	4/30/2007	--	66.2	0.026	15.7	4.68	5970
PC-124	7/30/2007	--		0.023		4.81	6030
PC-124	11/5/2007	1610.89		0.025		4.74	6340
PC-124	2/4/2008	1611.05		0.026		4.85	5680
PC-124	5/5/2008	1586.11	82.7	0.029	17 J	4.54	6120
PC-125	4/30/2007	--		0.025		5.78	6330
PC-125	7/30/2007	--		0.025		5.53	6440
PC-125	11/5/2007	1611.74		0.029		5.81	7230
PC-125	2/4/2008	1611.68		0.028		5.79	6860
PC-125	5/5/2008	1588.20		0.031		5.5	6430
PC-126	4/30/2007	--	184	0.067	38.8	9	8480
PC-126	7/30/2007	--		0.086		11.7	11050 J-
PC-126	11/5/2007	1612.11		0.084		10.7	11300
PC-126	2/4/2008	1611.84		0.078		10.9	9850
PC-126	5/5/2008	1589.25	191	0.08	37 J	9.94	8750
PC-127	5/1/2007	1613.37		1.5		305	7730
PC-127	7/30/2007	--		1.5		417	8310
PC-127	11/5/2007	1612.84		1.5		434	7820
PC-127	2/4/2008	1613.25		1.6		431	7370
PC-127	5/5/2008	1594.06		1.9		430	7350
PC-128	4/30/2007	--	151	0.1	14.9	172	5560
PC-128	7/30/2007	--		0.11		170	5480
PC-128	11/5/2007	1614.69		0.12		180	5380
PC-128	2/4/2008	1613.20		0.13		192	5270
PC-128	5/5/2008	1595.54	191	0.15	8.6 J	193	5610
PC-129	4/30/2007	--		0.59		373	6110
PC-129	7/30/2007	--		0.61		400	6980
PC-129	11/5/2007	1615.19		0.58		408	6290
PC-129	2/4/2008	1615.30		0.63		430	6560
PC-129	5/5/2008	1596.21		0.73		415	6640
PC-130	4/30/2007	--	651	0.71	37.3	445	6880
PC-130	7/30/2007	--		0.69		472	7410
PC-130	11/5/2007	1613.65		0.7		455	7250
PC-130	2/4/2008	1614.67		0.75		492	6850
PC-130	5/6/2008	1594.19	646	0.77	110	453	6700

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-131	4/30/2007	--		0.02 U		14.4	8720
PC-131	7/30/2007	--		0.01 U		13	9320
PC-131	11/5/2007	1622.20		0.01 U		11.1	9200
PC-131	2/4/2008	1622.22		0.02 U		10.3	8200
PC-131	5/5/2008	1610.80		0.02 U		8.47	8800
PC-132	4/30/2007	--	3.54	0.02 U	2.5 U	3.69	8560
PC-132	7/30/2007	--		0.01 U		3.3	9220
PC-132	11/5/2007	1624.90		0.01 U		3.39	9200
PC-132	2/4/2008	1624.93		0.02 U		3.23	7200
PC-132	5/5/2008	1615.00	2.18	0.02 U	5 UJ	2.47	8800
PC-133	4/2/2007	--				8.25	5050
PC-133	4/9/2007	--				7.65	4990
PC-133	4/16/2007	--				7.63	4180
PC-133	4/23/2007	--				7.36	4130
PC-133	4/30/2007	--				7.38	4080
PC-133	5/7/2007	--		0.02 U		6.81	3880
PC-133	5/14/2007	--				6.9	3970
PC-133	5/21/2007	--				6.44	3040
PC-133	5/29/2007	--				6.06	3920
PC-133	6/4/2007	--				5.68	3960
PC-133	6/11/2007	--				5.57	3760
PC-133	6/18/2007	--				5.11	3650
PC-133	6/25/2007	--				4.67	3580
PC-133	7/2/2007	--				4.63	3540
PC-133	7/10/2007	--				4.44	3550
PC-133	7/16/2007	--				4.38	3500
PC-133	7/23/2007	--				3.95	3470
PC-133	7/30/2007	--				4	3400
PC-133	8/6/2007	--				3.74	3260
PC-133	8/13/2007	--		0.01 U		3.45	3130
PC-133	8/20/2007	--				3.2	3140
PC-133	8/27/2007	--				3.11	3100
PC-133	9/4/2007	--				2.92	3020
PC-133	9/10/2007	--				2.77	3020
PC-133	9/17/2007	--				2.78	2900
PC-133	9/24/2007	--				2.64	2870
PC-133	10/1/2007	--				2.47	2860
PC-133	10/8/2007	--				2.29	2820
PC-133	10/15/2007	--				2.64	2820
PC-133	10/22/2007	--				2.46	2790
PC-133	10/29/2007	--				2.3	2700
PC-133	11/5/2007	--				2.36	2812
PC-133	11/12/2007	--		0.1 U		2.24	2830
PC-133	11/19/2007	--				2.2	2750
PC-133	11/26/2007	--				2.13	2732
PC-133	12/10/2007	--				1.84	2850
PC-133	1/7/2008	--				1.75	2500
PC-133	2/11/2008	--		0.02 U		1.87	2600
PC-133	3/10/2008	--				1.84	7910
PC-133	4/7/2008	--				2.04	2810
PC-133	5/12/2008	--		0.02 U		2.64	2820
PC-133	6/9/2008	--				2.62	3010
PC-134	1/18/2008	--		0.02 U		0.008 U	1830
PC-134	2/13/2008	--		0.02 U		0.008 U	1780
PC-134	5/11/2008	--		0.02 U		0.04	1640 J
PC-135	1/18/2008	--				11.2	8500
PC-135	2/13/2008	--		0.02 U		10.7	8100
PC-136	1/18/2008	--				139	1420
PC-136	2/13/2008	--		1.2		167	7300
PC-136	5/14/2008	--		4		169	6920
PC-137	1/18/2008	--		0.01 U		0.111	2950
PC-137	2/14/2008	--		0.02 U		0.103	3140
PC-137	5/11/2008	--		0.02 U		0.054	2590 J
PC-17	4/11/2007	1589.98				364	9430
PC-17	5/9/2007	1589.27		0.12		219	7900
PC-17	6/13/2007	1588.97				231	10200

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-17	7/12/2007	1588.75				253	10300
PC-17	8/15/2007	1588.91		0.12		209	13200
PC-17	9/12/2007	1588.68				252	9540
PC-17	10/11/2007	1588.53				249	9780
PC-17	11/14/2007	1588.50		0.12		231	9600
PC-17	12/12/2007	1588.68				233	10200
PC-17	1/9/2008	1588.66				266	10400
PC-17	2/13/2008	1588.68		0.13		235	9900
PC-17	3/12/2008	1588.81				228	9960 J-
PC-17	4/16/2008	1588.68				233	9640
PC-17	5/13/2008	1588.64		0.11		194	9250
PC-17	6/17/2008	--				204	9780 J-
PC-18	4/11/2007	1590.63				238	9730
PC-18	5/9/2007	1590.28		0.14		214	8100
PC-18	6/13/2007	1589.99				222	9960
PC-18	7/12/2007	1589.78				240	10300
PC-18	8/15/2007	1588.93		0.13		192	8100 J
PC-18	9/12/2007	1589.74				250	9410
PC-18	10/11/2007	1589.63				249	9500
PC-18	11/14/2007	1589.53		0.14		222	9800 J-
PC-18	12/12/2007	1589.71				226	9950
PC-18	1/9/2008	1589.64				228	10400
PC-18	2/13/2008	1589.66		0.13		241	8950
PC-18	3/12/2008	1589.78				218	10100
PC-18	4/16/2008	1589.69				227	9920
PC-18	5/13/2008	1589.71		0.14		202	4270
PC-18	6/17/2008	--				232	9800 J-
PC-2	5/1/2007	1578.42	19 d	0.02 U	9.74 d	3.74 d	6340
PC-2	5/8/2008	1573.63	22.2	0.02 U	10.2	4.12	5870
PC-21A	5/2/2007	--	1080	0.3	42.9	4.35	13150
PC-21A	5/12/2008	--	703	0.34	18.4	3.74	13700
PC-24	5/2/2007	1612.45		0.11		12.9	10100
PC-24	5/8/2008	1612.37		0.084		16.4	10800
PC-28	5/2/2007	1639.13		0.87		489	5720
PC-28	5/10/2008	1638.92		1		509	6370
PC-31	5/2/2007	1646.96		0.02 U		3.92	5050
PC-31	5/10/2008	1646.92		0.02 U		4.63	6300
PC-37	4/30/2007	1683.66		0.18		292	7120
PC-37	7/30/2007	1683.49		0.18		308	7560
PC-37	11/5/2007	1682.99		0.14		282	7480
PC-37	2/4/2008	1682.52		0.14		280	7360
PC-37	5/5/2008	1682.09		0.15		277	6900
PC-4	4/30/2007	1574.28	111	0.09	27.5	7.05	6360
PC-4	5/8/2008	1574.96	82.1	0.1	27	6.62	6590
PC-40	5/3/2007	--		0.046 d		26.6	10100
PC-40	5/10/2008	1656.69		0.02 U		24.2	11700
PC-50	5/2/2007	1620.84		0.13		324	8550
PC-50	5/8/2008	1620.83		0.1		222	9200
PC-53	4/12/2007	1570.32				3.48	4380
PC-53	5/10/2007	1575.47		0.02 U		2.75	4320
PC-53	6/14/2007	1576.81				1.58	4120
PC-53	7/13/2007	1569.64				2.8	4340
PC-53	8/17/2007	1570.74		0.021		2.44	4470
PC-53	9/19/2007	1569.22				3.14	4360
PC-53	10/11/2007	1568.61				3.33	4230
PC-53	11/14/2007	1567.76		0.019		3.36	4308
PC-53	12/13/2007	1568.14				2.85	4520
PC-53	1/10/2008	1569.00				2.7	4520
PC-53	2/14/2008	1580.31		0.02 U		0.82	3180
PC-53	3/13/2008	1570.34				2.05	4150 J
PC-53	4/17/2008	1569.14				3.2	4520
PC-53	5/15/2008	1569.54		0.03		2.54	4190
PC-53	6/17/2008	--				2.6	4080 J-
PC-54	4/30/2007	1688.90		2.8		320	6890
PC-54	7/30/2007	1688.66		2.6		311	7340
PC-54	11/5/2007	1687.94		2.3		285	6650

Appendix A - Table A-1
Groundwater Elevation and Analytical Data for Five Quarters
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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-54	2/4/2008	1687.27		2.2		291	6400 J-
PC-54	5/5/2008	1685.58		2.3		275	6020
PC-55	4/10/2007	1591.54				1.7	7620
PC-55	5/8/2007	1591.23		0.02 U		1.35	6650
PC-55	6/12/2007	1592.58				1.32	7920
PC-55	7/11/2007	1590.77				1.34	7840
PC-55	8/14/2007	1590.92		0.01 U		1.08	7050
PC-55	9/11/2007	1590.25				1.25	7790
PC-55	10/10/2007	1590.63				1.18	7940
PC-55	11/13/2007	1590.95		0.1 U		1.08	8050 J-
PC-55	12/11/2007	1590.86				0.992	7850
PC-55	1/8/2008	1590.67				1.06	8000
PC-55	2/12/2008	1590.67		0.2 U		1.09	7450
PC-55	3/11/2008	1590.81				0.986	6050
PC-55	4/16/2008	1590.67				1.01	7680
PC-55	5/13/2008	1590.73		0.02 U		4.43	7000
PC-55	6/18/2008	--				0.995	8120
PC-56	4/9/2007	1557.82				12.5	4260
PC-56	5/8/2007	1558.99		0.02 U		11.9	4870
PC-56	6/11/2007	1557.87				10.6	4380 J-
PC-56	7/11/2007	1555.77				2.88	2550
PC-56	8/13/2007	1556.49		0.01 U		1.25	2040
PC-56	9/10/2007	1555.41				3.52	2520
PC-56	10/9/2007	1555.70				7.84	3680
PC-56	11/12/2007	1555.08		0.013		6.15	3176
PC-56	12/11/2007	--				11.9	5560
PC-56	1/7/2008	1555.96				8.94	4040
PC-56	2/11/2008	1555.46		0.01 U		6.78	3940
PC-56	3/10/2008	1556.92				3.27	2680 J-
PC-56	4/17/2008	1556.53				2.99	2690
PC-56	5/14/2008	1556.31		0.02 U		1.88	2210
PC-56	6/18/2008	--				2.44	3260
PC-58	4/9/2007	1558.19				3.34	5570
PC-58	5/8/2007	1558.84		0.06		3.56	5630
PC-58	6/11/2007	1557.53				3.9	6000 J-
PC-58	7/11/2007	1555.90				5.48	6380
PC-58	8/13/2007	1556.18		0.11		7.91	6550
PC-58	10/9/2007	1555.54				7.24	6930
PC-58	11/12/2007	1554.98		0.12		8.38	6640
PC-58	1/7/2008	1555.71				6.98	7400
PC-58	2/11/2008	1555.52		0.13		8.24	7190
PC-58	3/10/2008	1557.13				7.67	8200 J-
PC-58	4/17/2008	1557.11				6.28	5950
PC-58	5/14/2008	1556.82		0.17		8.47	5850
PC-58	6/18/2008	--				2.85	4060
PC-59	4/9/2007	1557.18				5.62	5330
PC-59	5/8/2007	1557.48		0.02 U		5.5	4980
PC-59	6/11/2007	1556.39				5.21	5140 J-
PC-59	7/11/2007	1554.94				5.55	4900
PC-59	8/13/2007	1555.55		0.01 U		5.16	4620
PC-59	9/10/2007	1555.79				5.8	4510
PC-59	10/9/2007	1555.25				5.83	4330
PC-59	11/12/2007	1554.92		0.01 U		5.86	4304
PC-59	12/11/2007	1555.40				5.88	4470
PC-59	1/7/2008	1555.70				6.93	4230
PC-59	2/11/2008	1555.28		0.01 U		7.49	4110
PC-59	3/10/2008	1556.43				7.85	4900 J-
PC-59	4/17/2008	1556.01				7.58	4420
PC-59	5/14/2008	1555.76		0.02 U		7.18	4120
PC-59	6/18/2008	--				7.09	4330
PC-60	4/9/2007	1558.64				3.36	3920
PC-60	5/8/2007	1559.23		0.02 U		4.35	3780
PC-60	6/11/2007	1558.34				4.44	3970 J-
PC-60	7/11/2007	1555.97				5.94	4110
PC-60	8/13/2007	1556.67		0.01 U		6.5	3990
PC-60	9/10/2007	1555.64				7.9	4080

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-60	10/9/2007	1555.89				8.35	4040
PC-60	11/12/2007	1554.50		0.011		7.98	4116
PC-60	12/11/2007	1555.60				6.92	4370
PC-60	1/7/2008	1556.19				6.78	3940
PC-60	2/11/2008	1555.66		0.01 U		6.32	3890
PC-60	3/10/2008	1557.09				6.68	4580 J-
PC-60	4/17/2008	1556.70				5.82	4300
PC-60	5/14/2008	1556.47		0.02 U		6.4	4100
PC-60	6/18/2008	--				6.25	3930
PC-62	4/9/2007	1557.04				2.24	3280
PC-62	5/1/2007	1556.91		0.02 U		1.74 d	3140
PC-62	5/8/2007	1556.91		0.02 U		2.2	2980
PC-62	6/11/2007	1555.88				3.53	3450 J-
PC-62	7/11/2007	1554.82				4.17	3510
PC-62	8/13/2007	1555.47		0.01 U		3.69	3460
PC-62	9/10/2007	1554.84				3.76	3300
PC-62	10/9/2007	1555.27				3.27	3130
PC-62	11/12/2007	1555.08		0.01 U		2.89	2808
PC-62	12/11/2007	1555.52				2.45	3180
PC-62	1/7/2008	1555.73				2.82	3070
PC-62	2/11/2008	1555.46		0.01 U		2.83	2900
PC-62	3/10/2008	1556.35				3.11	3040 J-
PC-62	4/17/2008	1556.02				2.77	3510
PC-62	5/9/2008	1555.82		0.02 U		2.32	3150
PC-62	5/14/2008	1555.82		0.02 U		2.37	3450
PC-62	6/18/2008	--				2.59	3410
PC-64	5/2/2007	1668.34		2.9		760	8200
PC-64	5/11/2008	1667.70		3.2		708	9530
PC-65	5/1/2007	--		3.6 d		636 d	7810
PC-65	5/11/2008	1667.99		2.4		454	6950
PC-66	5/1/2007	--		4 d		511 d	8610
PC-66	5/11/2008	1662.40		3.6		438	7570
PC-67	5/1/2007	--		0.51 d		41.9 d	7800
PC-67	5/11/2008	1661.95		0.63		58.8	8750
PC-68	4/9/2007	1557.39				0.036	2140
PC-68	5/8/2007	1555.18		0.02 U		0.014	2040
PC-68	6/11/2007	1556.16				0.067	2140 J-
PC-68	7/11/2007	1555.10				0.279	2250
PC-68	8/13/2007	1555.83		0.01 U		0.174	2220
PC-68	9/10/2007	1555.20				0.112	2130
PC-68	10/9/2007	1555.83				0.071	2150
PC-68	11/12/2007	1555.45		0.01 U		0.27	2080 J-

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-68	2/11/2008	1555.96		0.01 U		0.277	2040
PC-68	3/10/2008	1556.72				0.257	2070 J
PC-68	4/17/2008	1556.28				0.004 U	2030
PC-68	5/14/2008	1556.06		0.02 U		0.078	2030
PC-68	6/18/2008	--				0.02	1990
PC-71	4/30/2007	1676.39		0.51		579	7660
PC-71	7/30/2007	1676.35		0.5		600	8900
PC-71	11/5/2007	1676.11		0.45		514	8250
PC-71	2/4/2008	1675.81		0.43		551	7940
PC-71	5/5/2008	1675.52		0.43		464	8080
PC-72	4/30/2007	1672.22		0.34		365	7510
PC-72	7/30/2007	1672.09		0.31		369	7770
PC-72	11/5/2007	1671.55		0.3		337	7380
PC-72	2/4/2008	1671.92		0.29		342	7110
PC-72	5/5/2008	1671.89		0.29		286	6990
PC-73	4/30/2007	1669.61		0.4		388	7060
PC-73	5/3/2007	1669.65	281 d	0.27 d	45.7 d	438	6490
PC-73	7/30/2007	1669.48		0.4		398	7500
PC-73	11/5/2007	1669.43		0.41		363	7300
PC-73	2/4/2008	1669.43		0.39		375	6730
PC-73	5/5/2008	1669.49		0.4		343	6910
PC-74	4/30/2007	1551.78				0.267	2070
PC-74	5/7/2008	1551.30				0.56	2630
PC-77	4/30/2007	1559.62		0.02 U		3.35	5100
PC-77	5/7/2008	1558.71				2.4	4990
PC-79	4/30/2007	1555.34		0.02 U		0.039	2300
PC-79	5/7/2008	1554.78		0.02 U		0.09 U	2400
PC-82	4/30/2007	1552.26	0.176		0.5 U	1.33	2720
PC-82	5/7/2008	1552.00	0.086		1 U	0.402	2630
PC-86	4/11/2007	1548.74				1.62	2690
PC-86	4/30/2007	1548.74	0.779	0.02 U	0.5 U	1.62	2690
PC-86	5/9/2007	1549.01	0.708	0.02 U	0.5 U	1.2	2550
PC-86	6/13/2007	1549.21				1.2	2580
PC-86	7/12/2007	1546.94				1.34	2630
PC-86	8/15/2007	1548.03		0.01 U		1.39	2700
PC-86	9/19/2007	1548.02				1.74	2670
PC-86	10/10/2007	1548.06				1.74	2680
PC-86	11/13/2007	1547.74		0.1 U		1.54	2250
PC-86	12/12/2007	1548.18				1.26	2390
PC-86	1/9/2008	1548.22				1.24	2630
PC-86	2/12/2008	1548.16		0.02 U		0.995	2540
PC-86	3/12/2008	1548.93				0.98	2590 J
PC-86	4/17/2008	1548.70				1.14	2610
PC-86	5/14/2008	1548.64	0.202	0.02 U	1 U	1.11	2620
PC-86	6/17/2008	--				1.2	2670 J-
PC-90	4/11/2007	1544.64				6.36	5420
PC-90	5/9/2007	1544.50	37.1	0.02 U	9.93	9.84	4920
PC-90	6/13/2007	1543.40				14.7	4660
PC-90	7/12/2007	1542.55				15.4	4680
PC-90	8/15/2007	1543.16		0.01 U		14.3	4600
PC-90	9/19/2007	1543.19				14.7	4400
PC-90	10/10/2007	1543.22				15.7	4480
PC-90	11/13/2007	1542.97		0.01 U		14.6	4460
PC-90	12/12/2007	1543.45				12.8	4570
PC-90	1/9/2008	1543.41				13.7	4320
PC-90	2/12/2008	1543.33		0.01 U		12.3	4320
PC-90	3/12/2008	1544.04				12.3	4220 J
PC-90	4/17/2008	1543.85				11.2	4300
PC-90	5/14/2008	1543.96	22	0.02 U	8.2	2.38	4070
PC-90	6/17/2008	--				8.2	3910 J-
PC-91	4/11/2007	1543.16				9.25	7550
PC-91	5/9/2007	1542.80	64.8	0.02 U	13.4	8.05	6810
PC-91	6/13/2007	1542.02				9.44	7750
PC-91	7/12/2007	1541.37				10.1	8280
PC-91	8/15/2007	1541.31		0.01 U		10	7280
PC-91	9/19/2007	1540.99				11.6	8130

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Well ID	Collection Date	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units		feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-91	10/10/2007	1541.28				12.6	7950

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Groundwater Elevation and Analytical Data for Five Quarters
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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-91	11/13/2007	1541.12		0.01 U		11	7790 J-
PC-91	12/12/2007	1541.22				12	8160
PC-91	1/9/2008	1541.38				12.8	8700
PC-91	2/12/2008	1541.40		0.02 U		13.3	8100
PC-91	3/12/2008	1542.64				14.8	8020 J-
PC-91	4/16/2008	1543.01				16.8	7400
PC-91	5/14/2008	1542.94	69.4	0.02 U	15	13.4	6930
PC-91	6/17/2008	--				12.2	5800 J-
PC-92	4/30/2007	1542.53	68.7	0.02 U	14.9	9.25	7620
PC-93	4/30/2007	1540.34	14.7	0.081	10.8	8.74	4760
PC-95	4/11/2007	1545.27				0.278	2420
PC-95	5/9/2007	1545.12		0.02 U		0.241	2580
PC-95	6/13/2007	1544.27				0.24	2720
PC-95	7/12/2007	1543.50				0.236	2680
PC-95	8/15/2007	1544.00		0.01 U		0.14	2520
PC-95	9/19/2007	1544.08				0.151	2510
PC-96	4/30/2007	1546.26				0.077	2680
PC-96	5/7/2008	1546.00				0.67	2790
PC-97	4/11/2007	1543.92				4.16	2740
PC-97	5/9/2007	1543.76		0.02 U		1.11	2640
PC-97	6/13/2007	1543.30				0.702	2650
PC-97	7/12/2007	1542.20				0.434	2610
PC-97	8/15/2007	1542.66		0.01 U		0.256	2590
PC-97	9/19/2007	1542.74				0.316	2490
PC-97	10/10/2007	1542.73				0.264	2500
PC-97	11/13/2007	1542.61		0.1 U		0.289	2330
PC-97	12/12/2007	1542.87				0.343	2340
PC-97	1/9/2008	1542.97				0.463	2630
PC-97	2/12/2008	1542.98		0.01 U		0.504	2590
PC-97	3/12/2008	1543.70				0.589	2640 J
PC-97	4/16/2008	1543.55				0.577	2470
PC-97	5/14/2008	1543.22		0.02 U		0.51	2600
PC-97	6/17/2008	--				0.554	2610 J-
PC-98R	4/12/2007	1571.74				28.7	7230
PC-98R	5/10/2007	1575.47		0.021		13.6	5010
PC-98R	6/14/2007	1576.41				8.81	4210
PC-98R	7/13/2007	1570.69				16	7430
PC-98R	8/17/2007	1571.83		0.024		14.3	6960
PC-98R	9/12/2007	1570.18				25	7260
PC-98R	10/11/2007	1569.93				22.4	7180
PC-98R	11/14/2007	1569.19		0.1 U		24.4	6900
PC-98R	12/13/2007	1569.53				23.5	7570
PC-98R	1/10/2008	1570.14				20.4	7700
PC-98R	2/14/2008	1577.30		0.02 U		13.2	5840
PC-98R	3/13/2008	1571.13				18.8	5050 J
PC-98R	4/17/2008	1570.43				20.6	6950
PC-98R	5/15/2008	1570.62		0.025		21.2 J-	6550
PC-98R	6/17/2008	--				19	7440 J-
PC-99R2/R3	4/2/2007	1545.41				19.6	5300
PC-99R2/R3	4/9/2007	1545.41				19.3	5300
PC-99R2/R3	4/16/2007	1545.41				21.4	5340
PC-99R2/R3	4/23/2007	1545.41				20.8	5304
PC-99R2/R3	4/30/2007	1545.41				22.3	5410
PC-99R2/R3	5/7/2007	1544.42		0.02 U		19.9	5310
PC-99R2/R3	5/14/2007	1544.42				21.9	5280
PC-99R2/R3	5/21/2007	1544.42				22.4	5360
PC-99R2/R3	5/29/2007	1544.42				21.3	5730
PC-99R2/R3	6/4/2007	1531.98				18.9	5740
PC-99R2/R3	6/11/2007	1531.98				19.2	5770
PC-99R2/R3	6/18/2007	1531.98				17.6	5680
PC-99R2/R3	6/25/2007	1531.98				15.7	5200 J-
PC-99R2/R3	7/2/2007	1534.82				13.7	4650

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Well ID	Collection	GW Elevation	Chlorate	Chromium	Nitrate (as N)	Perchlorate	TDS
units	Date	feet	mg/l	mg/l	mg/l	mg/l	mg/l
PC-99R2/R3	7/10/2007	1534.82				11.8	4440
PC-99R2/R3	7/16/2007	1534.82				11.6	4290
PC-99R2/R3	7/23/2007	1534.82				11.3	4080
PC-99R2/R3	7/30/2007	1534.82				11.5	3910
PC-99R2/R3	8/6/2007	1534.14				11.4	3920
PC-99R2/R3	8/13/2007	1534.14		0.01 U		9.36	3560
PC-99R2/R3	8/20/2007	1534.14				9.42	3550
PC-99R2/R3	8/27/2007	1534.14				10.6	3610
PC-99R2/R3	9/4/2007	1533.50				9.61	3700
PC-99R2/R3	9/10/2007	1533.50				9.55	3800
PC-99R2/R3	9/17/2007	1533.50				11.5	3920
PC-99R2/R3	9/24/2007	1533.50				9.92	3960
PC-99R2/R3	10/1/2007	1536.06				10.3	3930
PC-99R2/R3	10/8/2007	1536.06				10.4	3940
PC-99R2/R3	10/15/2007	1536.06				9.97	3900
PC-99R2/R3	10/22/2007	1536.06				9.98	3960
PC-99R2/R3	10/29/2007	1536.06				10.6	4140
PC-99R2/R3	11/5/2007	1534.17				11.4	4220
PC-99R2/R3	11/12/2007	1534.17		0.1 U		11.2	4260
PC-99R2/R3	11/19/2007	1534.17				11.9	4320
PC-99R2/R3	11/26/2007	1534.17				11.6	4448
PC-99R2/R3	12/10/2007	1534.16				12.1	4820
PC-99R2/R3	1/7/2008	1534.12				9.36	4900
PC-99R2/R3	2/11/2008	1534.45		0.02 U		13.3	4100
PC-99R2/R3	3/10/2008	1534.97				11.5	4660
PC-99R2/R3	4/7/2008	1535.16				10.5	4660
PC-99R2/R3	5/12/2008	1534.29		0.02 U		7.77	3870
PC-99R2/R3	6/9/2008	--				8.67	4280
TR-1	5/14/2008	1750.33	0.01 U	0.02 U	1.22 J+	0.004 U	740
TR-10	5/13/2008	1794.19		0.095	2.5	1.53	1740
TR-11	5/13/2008	1710.41		0.02 U	1.2	0.004 U	722
TR-12	5/15/2008	1675.01		0.05	2.8	0.004 U	468
TR-2	5/14/2008	1724.66	0.01 UJ	0.021	1.47 J+	0.004 U	560
TR-3	5/15/2008	1772.38		0.02 U	0.91	0.004 U	656
TR-4	5/15/2008	1735.87		0.032	1.6	0.008 U	888
TR-5	5/14/2008	1800.04	0.01 U	0.02 U	1.27 J+	0.004 U	748
TR-6	5/14/2008	1762.25	0.363	0.02 U	5 U	0.21	8750
TR-7	5/14/2008	1811.20	0.01 U	0.02 U	1.18 J+	0.004 U	800
TR-8	5/14/2008	1777.43	1.58	0.02 U	2.33 J+	0.087	1180
TR-9	5/13/2008	1810.51		0.025	1.3	0.004 U	834

Notes:
Blank cell or -- = no data and or no qualifier
TDS = Total Dissolved Solids
mg/l = milligram per liter

Laboratory Qualifiers:
d = the sample was diluted
u = the analyte was not detected above the sample reporting limit
ud = the sample was dilluted and was not detected above the sample reporting limit

Validation Qualifiers:
J = the result is an estimated quantity
J- = the result is an estimated quantity and the result may be biased low
J+ = the result is an estimated quantity and the result may be biased high
U = the analyte was analyzed for, but was not detected above the sample reporting limit
UJ = the sample was not detected above the sample reporting limit and the reporting limit is approximate

Appendix A - Table A-2
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Tronox LLC, Henderson, Nevada
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Well ID units	Collection Date	GW Elevation feet	Chromium mg/l	Perchlorate mg/l	TDS mg/l
ART-1	7/14/2008	1590.38		0.097 d	6850
ART-2	7/14/2008	1589.01		79.5 d	8100
ART-3	7/14/2008	1586.67		322 d	6950
ART-4	7/14/2008	1588.35		325 d	5850
ART-5	7/14/2008	1592.99		0.777 d	2730
ART-6	7/14/2008	1582.42		331 d	7200
ART-7	7/14/2008	1582.39		136 d	9950
ART-8	7/14/2008	1583.76		232 d	8850
ART-9	7/14/2008	--		348 d	6750
PC-115R	7/14/2008	1545.98		12 d	4530
PC-116R	7/14/2008	1531.99		8.38 d	4090
PC-117	7/14/2008	1539.55		2.69 d	3190
PC-118	7/14/2008	1546.3		8.29 d	4140
PC-119	7/14/2008	1547.97		4.08 d	3200
PC-120	7/14/2008	1549.77		2.77 d	3010
PC-121	7/14/2008	1549.24		1.35 d	2540
PC-133	7/14/2008	--		2.22 d	3050
PC-56	7/14/2008	1556.59		4.95 d	3500
PC-58	7/14/2008	1556.59		4.08 d	5570
PC-59	7/14/2008	1555.87		7.4 d	4290
PC-60	7/14/2008	1556.9		6.44 d	4160
PC-62	7/14/2008	1555.74		2.86 d	3210
PC-68	7/14/2008	1555.88		0.887 d	2000
PC-99R2/R3	7/14/2008	1534.7		11.5 d	4620
SF-1	7/14/2008	--		0.004 ud	6400
ARP-1	7/15/2008	1589.2		2.22 d	6130
M-87	7/15/2008	1707.6		278 d	3580
PC-122	7/15/2008	1585.05		11.6 d	8200
PC-17	7/15/2008	1588.78		173 d	8900
PC-18	7/15/2008	1589.8		196 d	8150
PC-55	7/15/2008	1590.83		0.908 d	6900
PC-86	7/15/2008	1548.4		1.29 d	2520
PC-90	7/15/2008	1543.82		9.11 d	3640
PC-91	7/15/2008	1541.99		11.1 d	7150
PC-97	7/15/2008	1543.72		0.477 d	2230
L-635	7/16/2008	1605.4		0.004 ud	6400
L-637	7/16/2008	1611.04		0.004 ud	5950
ARP-4A	7/17/2008	--		33.9 d	6400
ARP-5A	7/17/2008	--		26.5 d	8040
ARP-6B	7/17/2008	--		16.9 d	9350
MW-K4	7/17/2008	1587		89.4 d	5100
MW-K5	7/17/2008	1571.6		13.2 d	6550
PC-103	7/17/2008	1577.16		10.3 d	4600
PC-53	7/17/2008	1572.02		1.85 d	4340
PC-98R	7/17/2008	1572.59		19.1 d	6850
FB-1	8/4/2008	--	0.01 u	0.004 u	10 u
M-23	8/4/2008	1691.84	0.77	493 d	5260
M-44	8/4/2008	1678.14	0.84 d	720 d	7930
M-48	8/4/2008	1692.59	1.5 d	225 d	3270
M-95	8/4/2008	1681.8	1.3 d	508 d	7390
M-96	8/4/2008	1683.06	1.2 d	312 d	6490
MD-3	8/4/2008	--	0.39 d	451 d	8050
MD-4	8/4/2008	--	0.8	514 d	4720
PC-123	8/4/2008	1603.2	1.8 d	415 d	5030
PC-124	8/4/2008	1610.7	0.026 d	4.58 d	6190
PC-125	8/4/2008	1611.49	0.033 d	5.78 d	6950
PC-126	8/4/2008	1611.71	0.1 d	12.7 d	11600
PC-127	8/4/2008	1613.13	1.8 d	438 d	7450
PC-128	8/4/2008	1613.89	0.15 d	198 d	5610
PC-129	8/4/2008	1615	0.7 d	418 d	7660
PC-130	8/4/2008	1613.93	0.78 d	458 d	6710
PC-131	8/4/2008	1622.26	0.01 ud	7.83 d	7200
PC-132	8/4/2008	1624.82	0.01 ud	2.42 d	5950
PC-37	8/4/2008	1681.63	0.18 d	319 d	6810

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Well ID units	Collection Date	GW Elevation feet	Chromium mg/l	Perchlorate mg/l	TDS mg/l
PC-54	8/4/2008	1686.04	2.2 d	276 d	6270
PC-71	8/4/2008	1675.11	0.39 d	468 d	8270
PC-72	8/4/2008	1671.49	0.28 d	293 d	7880
PC-73	8/4/2008	1669.16	0.4	358 d	6270
EB-1	8/5/2008	--	0.01 ud	0.255 d	18
I-AA	8/5/2008	--	0.07	129 d	3340
I-AR	8/5/2008	1714.91	1.2 d	3070 d	7400
I-B	8/5/2008	1709.03	0.32 d	766 d	4490
I-C	8/5/2008	1712.18	5.4 d	960 d	6350
I-D	8/5/2008	1706.22	9.5 d	826 d	7800
I-E	8/5/2008	1707.38	13 d	752 d	9050
I-F	8/5/2008	1711.68	24 d	1520 d	14400
I-G	8/5/2008	1720.05	27 d	2210 d	19900
I-H	8/5/2008	1709.16	32 d	1740 d	18500
I-L	8/5/2008	1711.38	1.4 d	1560 d	5380
I-M	8/5/2008	1711.79	11 d	795 d	7900
I-N	8/5/2008	1712.12	13 d	1150 d	7950
I-O	8/5/2008	1717.08	33 d	1800 d	16100
I-P	8/5/2008	1708.79	31 d	1770 d	12400
I-Q	8/5/2008	1712.24	30 d	1640 d	18600
I-R	8/5/2008	1709.77	0.8 d	2210 d	7170
I-S	8/5/2008	1705.1	2.9 d	897 d	4950
I-T	8/5/2008	1718.31	31 d	2050 d	19500
I-U	8/5/2008	1707.17	30 d	1990 d	20100
M-131	8/5/2008	--	0.093 d	70.2 d	2940
M-135	8/5/2008	--	0.088 d	46.7 d	3380
M-25	8/5/2008	1726.29	13 d	452 d	9300
M-37	8/5/2008	1728.51	0.031 d	2100 d	6070
M-57A	8/5/2008	--	0.077 d	26.1 d	3090
M-5A	8/5/2008	--	0.01 ud	0.004 ud	11300
M-64	8/5/2008	1720.14	8.3 d	605 d	7570
M-65	8/5/2008	1720.86	35 d	1410 d	17500
M-66	8/5/2008	1722.82	35 d	1740 d	10100
M-69	8/5/2008	1720.43	0.12	740 d	4920
M-6A	8/5/2008	--			8100
M-79	8/5/2008	1719.08	0.096 d	15.1 d	4270
M-7B	8/5/2008	--			9300
M-99	8/5/2008	1698.82	0.32 d	251 d	4210
MD-5	8/5/2008	--	35 d	1400 d	18300
EB-2	8/6/2008	--	0.01 ud	0.0098	10 u
I-I	8/6/2008	1720.43	22 d	1110 d	12100
I-J	8/6/2008	1717.02	3 d	257 d	6630
I-K	8/6/2008	1711.26	1.2 d	93.7 d	5900
I-V	8/6/2008	1718.45	24 d	1980 d	10000
I-Z	8/6/2008	1712.86	12 d	606 d	8500
M-11	8/6/2008	1773.12	3.1 d	43.1 d	3260
M-12A	8/6/2008	--	13 d	354 d	8250
M-19	8/6/2008	1732.15	0.35	1.88 d	3940
M-31A	8/6/2008	1751.48	11 d	1470 d	9200
M-34	8/6/2008	--	15 d	1730 d	8150
M-35	8/6/2008	1740.77	7.6 d	313 d	5860
M-39	8/6/2008	1729.05	5.2 d	490 d	6180
M-50	8/6/2008	1749.32	32 d	1140 d	14800
M-61	8/6/2008	1721.92	1.4 d	110 d	5780
M-67	8/6/2008	1723.58	7.1 d	561 d	8000
M-68	8/6/2008	1721.79	1.1 d	83.2 d	6960
M-73	8/6/2008	1711.8	3.9 d	290 d	4716
M-74	8/6/2008	1714.56	0.89 d	60 d	5940
M-88	8/6/2008	1707.21	0.87 d	50.5 d	6530
M-92	8/6/2008	1763.51	0.01 ud	0.886 d	1950
M-97	8/6/2008	1760.44	0.041	75.6 d	3710
MD-1	8/6/2008	--	3 d	43.4 d	3200
M-10	8/7/2008	1788.76	0.75	27.5	3260
M-100	8/7/2008	1700.16	0.28	45.9	1860

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M-115	8/7/2008	--	0.026	27.8	3030
M-14A	8/7/2008	--	0.057	27.9	3230
M-17A	8/7/2008	1735.89	31	857	13600
M-22A	8/7/2008	--	35	1810	15200
M-36	8/7/2008	1727.26	33	1590	13400
M-38	8/7/2008	1728.36	29	1140	13500
M-70	8/7/2008	1725.54	1.2	112	2800
M-71	8/7/2008	1718.7	4.7	608	6410
M-72	8/7/2008	1715.52	4	865	8800
M-84	8/7/2008	1718.84	0.065	9.36	1210
M-87	8/7/2008	1707.47	2.8	285	3260
M-89	8/7/2008	1732.62	27	875	13000
MD-2	8/7/2008	--	0.067	9.26	958
ART-1	8/11/2008	1585.8	0.01 ud	0.134 d	7400
ART-2	8/11/2008	1589.19	0.021 d	63.4 d	9600
ART-3	8/11/2008	1587.01	0.26 d	312 d	9050
ART-4	8/11/2008	1588.47	0.25 d	336 d	6410
ART-7	8/11/2008	1582.46	0.65 d	136 d	10800
ART-8	8/11/2008	1586.13	0.15 d	234 d	9750
ART-9	8/11/2008	--	1.4 d	315 d	7650
PC-115R	8/11/2008	1542.04	0.01 ud	12.8 d	4810
PC-116R	8/11/2008	1531.59	0.01 ud	8.78 d	4500
PC-117	8/11/2008	1540.13	0.01 u	2.92 d	3280
PC-118	8/11/2008	1545.8	0.01 ud	9.85 d	4190
PC-119	8/11/2008	1547.68	0.01 ud	3.67 d	3060
PC-120	8/11/2008	1549.52	0.01 ud	2.76 d	2850
PC-121	8/11/2008	1549.01	0.01 ud	1.05 d	2374
PC-133	8/11/2008	--	0.01 u	1.65 d	2830
PC-55	8/11/2008	1590.95	0.01 ud	0.927 d	7400
PC-99R2/R3	8/11/2008	1534.12	0.01 ud	11.5 d	4980
SF-1	8/11/2008	--	0.01 ud	0.004 ud	6350
PC-56	8/12/2008	1556.04	0.01 ud	4.39 d	3230
PC-58	8/12/2008	1556	0.01 ud	5.66 d	6210
PC-59	8/12/2008	1555.66	0.01 ud	7.59 d	4210
PC-60	8/12/2008	1556.29	0.01 ud	6.79 d	4160
PC-62	8/12/2008	1555.64	0.01 ud	2.53 d	3140
PC-68	8/12/2008	1555.98	0.01 ud	0.142 d	1850
ARP-1	8/13/2008	1589.39	0.01 ud	2.34 d	6800
H-28A	8/13/2008	--	0.01 ud	0.004 ud	9350
M-87	8/13/2008	1707.47	3 d	336 d	4560
PC-134	8/13/2008	--	0.01 ud	0.049	1820
PC-135	8/13/2008	--	0.01 ud	9.6 d	7950
PC-17	8/13/2008	1589.01	0.083 d	171 d	9600
PC-18	8/13/2008	1590.03	0.14 d	219 d	10600
PC-86	8/13/2008	1548.4	0.01 u	1.25 d	2580
PC-90	8/13/2008	1543.63	0.01 ud	8.12 d	3790
PC-91	8/13/2008	1541.52	0.01 ud	12.5 d	7730
PC-97	8/13/2008	1543.21	0.01 ud	0.364 d	2610
ARP-4A	8/14/2008	--	0.01 ud	30.2 d	4610
ARP-5A	8/14/2008	--	0.033 d	26.2 d	5910
ARP-6B	8/14/2008	--	0.1 d	15.6 d	10400
L-635	8/14/2008	1605.62	0.01 ud	0.004 ud	7850
L-637	8/14/2008	1611.15	0.01 ud	0.018 d	7100
MW-K4	8/14/2008	1587.15	0.041	88.6 d	7300
MW-K5	8/14/2008	1570.12	0.032 d	17.7 d	6630
PC-103	8/14/2008	1576.92	0.01 ud	9 d	4390
PC-122	8/14/2008	1585.2	0.078 d	11.2 d	11000
PC-53	8/14/2008	1569.62	0.026 d	1.79 d	4690
PC-98R	8/14/2008	1568.6	0.023 d	18.3 d	6800
ART-6	8/18/2008	1584.95	0.22 d	78.7 d	9550
ART-1	9/8/2008	1590.29		0.134	8300
ART-2	9/8/2008	1588.09		59	12100
ART-3	9/8/2008	1586.56		280	10800
ART-4	9/8/2008	1588.5		300	5880

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ART-6	9/8/2008	1584.43		75	8500
ART-7	9/8/2008	1583.1		127	8650
ART-8	9/8/2008	1584.8		222	12100
ART-9	9/8/2008	--		311	8600
PC-115R	9/8/2008	1542.24		10.6	4610
PC-116R	9/8/2008	1531.39		7.7	4780
PC-117	9/8/2008	1539.73		2.3	3270
PC-118	9/8/2008	1545.9		8.58	4430
PC-119	9/8/2008	1547.63		3.01	3140
PC-120	9/8/2008	1549.53		2.57	3040
PC-121	9/8/2008	1548.99		0.993	2640
PC-133	9/8/2008	--		1.33	2670
PC-56	9/8/2008	1555.67		1.01	2800
PC-58	9/8/2008	1555.51		6.08	5900
PC-59	9/8/2008	1555.42		6.64	4300
PC-60	9/8/2008	1555.91		6.37	4200
PC-62	9/8/2008	1555.49		2.16	3000
PC-68	9/8/2008	1555.83		0.058	2100
PC-99R2/R3	9/8/2008	1534.39		11.4	4780
SF-1	9/8/2008	--		0.004	6440
ARP-1	9/9/2008	1589.38		2.41	7200
L-635	9/9/2008	1605.47		0.004	7500
L-637	9/9/2008	1610.98		0.031	6700
PC-17	9/9/2008	1588.97		164	9700
PC-18	9/9/2008	1589.96		97.6	9900
PC-55	9/9/2008	1590.98		0.829	7900
PC-86	9/9/2008	1548.75		1.19	2600
PC-90	9/9/2008	1543.51		8.11	3900
PC-91	9/9/2008	1541.35		12.4	7700
PC-97	9/9/2008	1542.96		0.298	2600
ARP-4A	9/10/2008	--		31.2	4700
ARP-5A	9/10/2008	--		24.8	6600
ARP-6B	9/10/2008	--		16.7	10000
MW-K4	9/10/2008	1587.04		104	6500
MW-K5	9/10/2008	1569.43		15.2	7200
PC-103	9/10/2008	1576.54		9.7	4700
PC-53	9/10/2008	1568.75		3.56	4800
PC-98R	9/10/2008	1570.82		15.1	7000
M-87	9/11/2008	1707.23		308	4600
ART-1	10/13/2008	1590.26		0.129	7500
ART-2	10/13/2008	1589.07		61.8	9680
ART-3	10/13/2008	1586.74		295	8500
ART-4	10/13/2008	1588.35		301	6920
ART-6	10/13/2008	1583.98		321	8000
ART-7	10/13/2008	1582.6		139	10400
ART-8	10/13/2008	1585.2		205	9760
ART-9	10/13/2008	--		316	8090
PC-115R	10/13/2008	1542.04		10.3	4560
PC-116R	10/13/2008	1531.99		6.53	4300
PC-117	10/13/2008	1540.13		2.23	3140
PC-118	10/13/2008	1545.54		7.75	4170
PC-119	10/13/2008	1547.97		2.78	3060
PC-120	10/13/2008	1549.43		2.77	3070
PC-121	10/13/2008	1548.92		1.31	2700
PC-133	10/13/2008	--		1.13	2620
PC-99R2/R3	10/13/2008	1534.39		9.08	4810
SF-1	10/13/2008	--		0.004	6680
ARP-1	10/14/2008	1589.32		2.74	6300
L-635	10/14/2008	1605.44		0.191	7320
L-637	10/14/2008	1610.92		0.046	6700
PC-17	10/14/2008	1589.01		167	8180
PC-18	10/14/2008	1589.86		191	9760
PC-55	10/14/2008	1590.81		0.516	6980
PC-56	10/14/2008	1555.74		6.52	7050

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PC-58	10/14/2008	1555.49		4.42	3180
PC-59	10/14/2008	1555.42		6.85	4230
PC-60	10/14/2008	1555.88		6.52	4280
PC-62	10/14/2008	1555.48		2.07	3090
PC-68	10/14/2008	1555.85		0.636	2050
PC-86	10/14/2008	1548.36		1.12	2560
PC-90	10/14/2008	1543.48		9.83	4490
PC-91	10/14/2008	1541.39		12.6	7080
PC-97	10/14/2008	1542.93		0.062	2460
ARP-4A	10/15/2008	--		34	4620
ARP-5A	10/15/2008	--		24.7	6200
ARP-6B	10/15/2008	--		9.06	9260
M-87	10/15/2008	1707.23		287	4460
MW-K4	10/15/2008	1587.05		98.8	6230
MW-K5	10/15/2008	1569.37		14.2	6630
PC-103	10/15/2008	1576.48		12.6	5090
PC-53	10/15/2008	1568.73		4.88	5200
PC-98R	10/15/2008	1570.87		14.7	6660
FB-1	11/3/2008	--	0.01	0.004	10
I-AA	11/3/2008	--	0.068	120	3460
I-AR	11/3/2008	1715.63	0.95	2960	6160
I-B	11/3/2008	1710.91	0.3	928	4860
I-C	11/3/2008	1709.16	4.8	891	7570
I-D	11/3/2008	1706.09	9.2	745	9040
I-E	11/3/2008	1707.89	12	684	9920
I-F	11/3/2008	1715.68	23	1470	13900
I-G	11/3/2008	1711.17	28	1960	18500
I-H	11/3/2008	1709.26	30	1660	16000
I-L	11/3/2008	1713.88	0.91	1940	6980
I-M	11/3/2008	1711.66	11	750	9420
I-N	11/3/2008	1717.58	13	987	11000
I-O	11/3/2008	1715.08	30	1520	15600
I-P	11/3/2008	1710.08	29	1550	14000
I-Q	11/3/2008	1720.69	14	994	11000
I-R	11/3/2008	1718.63	0.5	2610	7260
I-S	11/3/2008	1705.92	2	947	5630
I-T	11/3/2008	1708.2	32	1790	18800
I-U	11/3/2008	1707.66	30	1750	18800
M-64	11/3/2008	1720.17	9.8	639	8500
M-65	11/3/2008	1721.03	33	1360	18100
M-66	11/3/2008	1722.71	34	1630	10900
M-95	11/3/2008	1681.47	1.3	512	7220
M-96	11/3/2008	1680.84	1.1	284	6340
MD-3	11/3/2008	--	0.16	231	5400
PC-123	11/3/2008	1603.04	1.8	387	7620
PC-124	11/3/2008	1610.54	0.035	4.68	6280
PC-125	11/3/2008	1611.51	0.029	5.22	6520
PC-126	11/3/2008	1611.8	0.11	13.3	10800
PC-127	11/3/2008	1613.25	1.8	435	7670
PC-128	11/3/2008	1614.57	0.16	187	5620
PC-131	11/3/2008	1622.23	0.01	7.28	9340
PC-132	11/3/2008	1624.98	0.01	2.46	7760
PC-54	11/3/2008	1685.76	2.1	241	5980
EB-1	11/4/2008	--	0.01	0.004	10
M-131	11/4/2008	--	0.089	62.6	3170
M-135	11/4/2008	--	0.078	49.7	3470
M-25	11/4/2008	1726.25	12	427	9400
M-37	11/4/2008	1728.61	0.023	1770	4600
M-44	11/4/2008	1677.69	0.83	676	8140
M-48	11/4/2008	1692.6	1.2	222	2940
M-57A	11/4/2008	--	0.071	26.8	3120
M-69	11/4/2008	1719.96	0.14	724	4760
M-79	11/4/2008	1717.57	0.042	6.38	876
M-99	11/4/2008	1699.59	0.34	327	4350

Appendix A - Table A-2
Groundwater Elevation and Preliminary Analytical Data
Semi-Annual Performance Report for Chromium and Perchlorate
Tronox LLC, Henderson, Nevada
July 2008 - December 2008

Well ID units	Collection Date	GW Elevation feet	Chromium mg/l	Perchlorate mg/l	TDS mg/l
MD-4	11/4/2008	--	0.46	475	7960
PC-129	11/4/2008	1615.15	0.72	418	8340
PC-130	11/4/2008	1613.74	0.74	453	6900
PC-37	11/4/2008	1681.3	0.18	316	6640
PC-71	11/4/2008	1674.87	0.73	577	8650
PC-72	11/4/2008	1671.34	0.26	287	7040
PC-73	11/4/2008	1669.15	0.39	339	6560
M-10	11/5/2008	1787.93	0.75		3180
M-100	11/6/2008	1700.51	0.27	43.7	1880
M-12A	11/6/2008	--	13	289	8100
M-133	11/6/2008	--	0.77	11.4	5900
M-17A	11/6/2008	1735.88	29	824	16600
M-22A	11/6/2008	--	34	1730	19500
M-36	11/6/2008	1727.33	34	1500	19500
M-38	11/6/2008	1728.36	28	944	16900
M-67	11/6/2008	1723.6	8	512	8510
M-70	11/6/2008	1722.13	0.51	106	3180
M-71	11/6/2008	1715.41	5	608	8240
M-72	11/6/2008	1714.96	4.3	842	9370
M-73	11/6/2008	1711.82	5.1	345	5410
M-74	11/6/2008	1714.61	0.99	60.4	5640
M-87	11/6/2008	1706.99	3.3	324	4040
M-88	11/6/2008	1707.06	0.91	41.1	6400
M-89	11/6/2008	1732.42	25	857	15800
MD-2	11/6/2008	--	13	288	7950
M-115	11/7/2008	--	0.025	24.5	3090
M-14A	11/7/2008	--	0.061	26	3230
M-75	11/7/2008	--	4.9	72.6	4780
M-76	11/7/2008	1745.63	2.8	120	3880
ART-1	11/10/2008	1590.66	0.01	0.164	7100
ART-2	11/10/2008	1589.21	0.024	60.2	8000
ART-3	11/10/2008	1586.98	0.28	287	7700
ART-4	11/10/2008	1588.54	0.29	306	6070
ART-6	11/10/2008	1585.34	1.6	308	7550
ART-7	11/10/2008	1582.72	0.69	137	8900
ART-8	11/10/2008	1583.58	0.16	217	8600
ART-9	11/10/2008	--	1.5	314	7490
PC-115R	11/10/2008	1541.94	0.01	10.1	4450
PC-116R	11/10/2008	1531.93	0.01	7.82	4440
PC-117	11/10/2008	1540.01	0.01	2.89	3170
PC-118	11/10/2008	1545.5	0.01	8.07	4140
PC-119	11/10/2008	1548.08	0.01	3.58	3200
PC-120	11/10/2008	1549.47	0.01	0.852	2450
PC-121	11/10/2008	1548.99	0.01	0.853	2570
PC-133	11/10/2008	--	0.01	0.962	2540
PC-56	11/10/2008	1558.96	0.02	8.5	6800
PC-58	11/10/2008	1557.53	0.12	10.9	7510
PC-59	11/10/2008	1556.98	0.01	6.94	4330
PC-60	11/10/2008	1559.26	0.02	6.69	3980
PC-62	11/10/2008	1556.29	0.01	1.14	2900
PC-68	11/10/2008	1556.43	0.01	0.162	2000
PC-99R2/R3	11/10/2008	1534.56	0.01	10.8	4870
SF-1	11/10/2008	--	0.013	0.217	6430
ARP-1	11/11/2008	1589.47	0.01	2.87	6270
L-635	11/11/2008	1605.45	0.01	0.015	7530
M-87	11/11/2008	1706.99	3.5	342	4630
PC-122	11/11/2008	1585.38	0.1	12.1	9900
PC-18	11/11/2008	1590.1	0.14	194	9620
PC-55	11/11/2008	1591.06	0.01	0.787	8200
PC-86	11/11/2008	1548.93	0.01	0.907	2450
PC-90	11/11/2008	1544.37	0.01	7.71	3696
PC-91	11/11/2008	1541.41	0.01	14.1	7440
PC-97	11/11/2008	1543.7	0.01	0.238	2470
ARP-4A	11/12/2008	--	0.01	30.4	4440

Appendix A - Table A-2
Groundwater Elevation and Preliminary Analytical Data
Semi-Annual Performance Report for Chromium and Perchlorate
Tronox LLC, Henderson, Nevada
July 2008 - December 2008

Well ID units	Collection Date	GW Elevation feet	Chromium mg/l	Perchlorate mg/l		TDS mg/l
ARP-5A	11/12/2008	--	0.07	24.8		6110
ARP-6B	11/12/2008	--	0.13	18		10200
L-637	11/12/2008	1610.94	0.01	0.013		8440
MW-K4	11/12/2008	1587.33	0.05	100		6780
MW-K5	11/12/2008	1580.53	0.01	0.188		1420
PC-103	11/12/2008	1580.47	0.01	11.1		4330
PC-53	11/12/2008	1582	0.01	1.03		3520
PC-98R	11/12/2008	1580.64	0.01	2.25		2500
ART-1	12/8/2008	1590.85		0.146		7780
ART-2	12/8/2008	1589.48		54		9760
ART-3	12/8/2008	1587.22		288		8780
ART-4	12/8/2008	1588.87		318		6650
ART-6	12/8/2008	1585.82		202		7840
ART-7	12/8/2008	1583.55		140		10100
ART-8	12/8/2008	1583.9		227		9920
ART-9	12/8/2008	--		327		7960
PC-115R	12/8/2008	1543.49		10.6		4700
PC-116R	12/8/2008	1532.65		9.71		4860
PC-117	12/8/2008	1541.52		4.44		3580
PC-118	12/8/2008	1546.96		9.73		4350
PC-119	12/8/2008	1548.62		5		3550
PC-120	12/8/2008	1550.5		0.86		2490
PC-121	12/8/2008	1550.04		1.05		2500
PC-133	12/8/2008	--		0.967		2580
PC-56	12/8/2008	1557.88		7.01		4700
PC-58	12/8/2008	1557.37		9.62		7230
PC-59	12/8/2008	1557.18		7.02		4290
PC-60	12/8/2008	1558.12		7.34		4620
PC-62	12/8/2008	1556.8		2.55		2910
PC-68	12/8/2008	1557.01		0.063		1940
PC-99R2/R3	12/8/2008	1534.72		11		4960
ARP-1	12/9/2008	1589.71		2.97		6260
ARP-7	12/9/2008	1584.66		5.41		6620
PC-122	12/9/2008	1586.68		13.4		9520
PC-17	12/9/2008	1589.28		150		9740
PC-18	12/9/2008	1590.32		180		9880
PC-86	12/9/2008	1549.46		1.12		2500
PC-90	12/9/2008	1544.6		7.49		3870
PC-91	12/9/2008	1541.86		16.9		7670
PC-97	12/9/2008	1543.97		0.258		2450
SF-1	12/9/2008	--		0.004		5670
L-635	12/10/2008	1605.44		0.004		7500
L-637	12/10/2008	1611.08		0.004		6740
M-87	12/10/2008	1706.87		318		3780
PC-55	12/10/2008	1591.23		0.74		8120
ARP-4A	12/11/2008	--		28		4460
ARP-5A	12/11/2008	--		24		6490
ARP-6B	12/11/2008	--		19.4		9740
MW-K4	12/11/2008	1587.51		77.8		6940
MW-K5	12/11/2008	1571.75		9.84		6600
PC-103	12/11/2008	1576.82		9.47		4180
PC-53	12/11/2008	1571.82		1.34		4040
PC-98R	12/11/2008	1572.66		13.8		6700

Notes
Blank cell or -- = no data and or no qualifier
TDS = Total Dissolved Solids
mg/l = milligram per liter

Laboratory Qualifiers:
d = the sample was diluted
u = the analyte was not detected above the sample reporting limit
ud = the sample was dilluted and was not detected above the sample reporting limit

Appendix B

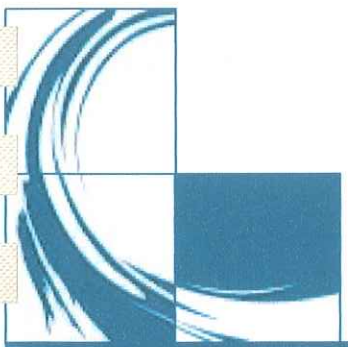
Groundwater Analytical Data and Field Sheets
(Refer to the Report CD)

VEOLIA
WATER

Third
Quarter Well Monitoring

Tronox LLC.
Henderson, Nevada

August 4 – August 8, 2008



VEOLIA
WATER

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Field Data Letter Report

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VEOLIA WATER

Letter of Transmittal

Attention: Susan Crowley
Environmental Specialist
Tronox LLC.
8000 W. Lake Mead Drive
Henderson, NV 89015

Date: Aug. 18, 2008

Project:

2008 3rd Quarter Groundwater Monitoring

Enclosed:

1 copy of Field Data Letter Report

Remarks:
Susan,
The enclosed Quarterly Groundwater Monitoring Report with supporting documents is provided for your records.

Signature:

Jeff Lambeth, PM
VeoliaWaterNA

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-3521 / Fax 702-566-9030
www.Veoliawaterna.com

VEOLIA WATER

Field Data Letter Report

1.0 INTRODUCTION

Tronox LLC. contracts with Veolia Water North America West LLC., (VWNA) to conduct groundwater sampling and analysis at their Chemical facility, located at 8000 West lake Mead Gate 1, in Henderson, Nevada. The work described herein represents the third quarter groundwater sampling event for 2007. The work was conducted in accordance with the Sampling and Analysis Work plan, submitted to Tronox January 9, 2004.

VWNA has four staff members trained to assist the quarterly well monitoring events. VWNA monitoring team meets twice prior to the sampling event to discuss all issues associated with this project and to review the status of action items noted in the first meeting. Sampling and laboratory equipment needs, time tables and well site schedules are reviewed. Sample coolers are checked to ensure that there are no missing bottles. New bottle orders were used which reflected changes associated with well monitoring activities.

1.1 SCOPE OF SAMPLING EVENT

This sampling effort included the following tasks:

- Soundings of the pumping water levels in 23 interceptor wells.
- Collection of groundwater samples from 24 interceptor wells.
- Soundings of the water levels in 4 Interceptor wells not pumping.
- Soundings of groundwater levels in 74 monitoring wells.
- Collection of groundwater samples from 65 monitoring wells.

Analysis of samples collected from the interceptor and monitoring wells, range from Perchlorate (CLO4), Total Chromium (Cr), Hexavalent Chromium (Cr+6), pH, Specific Conductance (EC), Total Dissolved Solids (TDS), Nitrate (NO3), Chlorate (CLO3) and NPDES list for well M-10, (Up Well). (CR-MS, MN-MS, CU-MS, MO-MS, FE, B, CL, F, TDS, NO3, NO2-N, N-INOR, NH3, NH3-DIST). Also sampled this quarter were the RCRA wells with the analysis of TOC, TOX Quad, pH, EC, TDS, CR, CLO4, CR.

Groundwater samples were shipped daily to Montgomery Watson (MW) for analysis, in Monrovia, California. MW is certified by the State of Nevada.
The scope of this assignment also included compiling the water level and analytical data presented in this report. Data are presented in tabular form.

2.0 FIELD ACTIVITIES

VWNA conducted the field activities associated with this quarterly sampling event between Monday August 4th and Thursday, August 7th, 2008 except for well H-28A which was sampled August 13th due to changing of the locks on gates by BMI.. Activities included the sounding of "pumping water" levels in the interceptor wells, sounding the "static water" level in the monitoring wells and sampling of both the interceptor and monitoring wells. Prior to each quarter, an inventory list is issued to Tronox LLC for review and comment. Sampling was conducted according to their specifications.

VWNA Project Manager Jeff Lambeth oversees the technical work conducted by project personnel and the quality assurance efforts. Michele Brown was responsible for sample collection and recording all pertinent data on sample bottles and supervised the groundwater sampling activities. She is responsible for executing all work elements related to the groundwater sampling program, including laboratory equipment maintenances and calibration, fieldwork, documenting field activities, maintaining field notes and photographs (when applicable), maintaining a record of onsite personnel and visitors, and providing the Operations Manager with information concerning implementation of the sampling plan. Thomas McDaniel was responsible for the Depth to Water readings and purging of each well along with the cleansing of equipment. Russell Speckin was responsible for sample collection and proper bottle labeling.

VWNA maintained records of daily events and pertinent sampling data of each well on a field log sheet and addendum data in a bound log book. Log sheet entries included personnel onsite,

weather conditions, water levels, activities conducted, sampling times, pH, EC, temperature and other significant field information.

2.1 Groundwater Level Soundings

VWNA sounded pumping water levels in 23 interceptor wells and 4 interceptor wells not online. In addition to the interceptor wells, static water levels of 74 monitoring wells were taken. There were four (4) monitoring well considered "DRY", M-18, M-98, M-102 and M-101. There were three (3) wells where only static water levels were required. The following are the 6 wells:

	M-80	M-81A	M-93
	I-X	I-Y	I-Z

Eight (8) wells had the bailers removed in order to sound and record DTW readings.

M-99	M-18	M-19	M-100
M-96	M-102	M-101	M-98

The water levels were sounded to the nearest 0.01 foot using an electronic well sounder.

2.2 Equipment Cleaning Procedures

During the sounding of water levels, the equipment was rinsed with de-ionized water before use at each well. Rinsing of the pump and hose with 3 to 4 gallons of deionized water using a dedicated DI water bucket was done after every well sampling. The rinse water was collected in a polyethylene container and transported to GW-11 for treatment.

3.0 GROUNDWATER SAMPLING

3.1 Sampling Locations

The following presents the identification of wells sampled.

3.1.1 Interceptor Wells

I-AR	I-B	I-C	I-D	I-E	I-F	I-H	I-I	I-J	I-K	I-L
I-M	I-N	I-O	I-P	I-Q	I-R	I-S	I-T	I-U	I-V	I-Z
I-G	I-AA									

3.1.2 Monitoring Wells

M-5A	M-6A	M-7B	M-10	M-11	M-12A	M-14A	M-17A	M-19	M-22A
M-23	M-25	M-31A	M-34	M-35	M-36	M-37	M-38	M-39	M-44
M-48	M-50	M-57A	M-61	M-64	M-65	M-66	M-67	M-68	M-69
M-70	M-71	M-72	M-73	M-74	M-79	M-84	M-87	M-88	M-89

M-92	M-95	M-96	M-97	M-99	M-100	M-115	M-131	M-135	PC-123
PC-124	PC-125	PC-126	PC-127	PC-128	PC-129	PC-130	PC-131	PC-132	PC-37
PC-54	PC-71	PC-72	PC-73	H-28A					

4.0 SAMPLING TECHNIQUES

4.1 Interceptor Wells

The interceptor wells were sampled using dedicated sampling ports. At the beginning of sampling each well or line, personnel wore a new pair of clean nitrile or latex gloves.
The sampling port was opened to drain any stagnant water from piping and valves. This water is captured and containerized. All captured water is off-loaded at GW-11 for onsite treatment. Following the purging of the sample port, a "water quality" sample was collected for analysis of Perchlorate, Total Chromium, and TDS. VWNA also recorded the "*field*" temperature, pH, and conductivity as well as the pumping water level. The "*field*" parameters are provided in Table 1.

4.2 Monitoring Wells

Monitoring wells were purged before sampling to assure that each sample was collected from fresh formation water.

Fifty-six (56) wells were purged and sampled, using the 12 volt submersible pump. Two (2) wells were purged with the "Ready Flo 2" with variable pump flow control. Two (2) wells, M-36 and M-38 were purged with a non dedicated bailer that was flushed with de-ionized water prior to each sampling. One (1) well, M-100, was sampled using a dedicated bailer. Hand bailing was done as a result of only needing to purge less than 3 gallons of water, if there was an insufficient amount of water in the well casing to use a pump or due to the location of the well.

Samples for both the interceptor and monitoring wells were collected in appropriate containers supplied by MWH Laboratories and analyzed for the specific required analysis of the well. The bottles were filled with minimal aeration, using laminar flow.

The samples were labeled, packaged, stored, and transported using the procedures outlined in the work plan for well samples. Clear tape may have been used on some bottles to maintain the information integrity of the labels. Where leaking acid removed the pre labeled information, it was hand restored.

4.3 Problems Encountered

BMI has change all the locks on their gates which caused several days hold up in sampling H-28A. Veolia now has a new key and sampling at this site should not be hindered in the future. Several wells have been destroyed due to the revamping of the GWTP Trench. The wells are as follows:.M-86, M-85 and M-83. Although M-83 has been damaged a DTW reading was obtained. M-101 was damaged jamming the inside casing cap against the metal outside casing. The cap was pried off and left off. The outside cast lid is in place and closed to protect the well.

4.4 Equipment Cleaning Procedures

In addition to using much more water to flush and decontaminate the deionized water is changed each morning so the rinsing water is fresh. Non-dedicated sampling equipment was cleaned and decontaminated before use at each new sampling location. Conductivity meter probes and pH electrodes were thoroughly rinsed with de-ionized water after each reading at every well. The rinsate is captured in a special use bucket for decontamination.

5.0 QUALITY CONTROL

Quality control (QC) procedures implemented for this sampling event included collection and analysis of QC duplicate samples, equipment and field blanks. The analytical laboratory is also required to meet specific QA/QC requirements for surrogate recovery, MS/MSD recovery and RPDs, and LCS recoveries. Duplicate SC readings were conducted at one well each day to insure the accuracy of the Hanna field probe.

5.1 QC Duplicate Samples

QC duplicate samples were collected during the sampling event to evaluate the precision and accuracy of analytical data. The QC duplicates were collected, packaged, and transported in the same manner as the primary sample, but assigned a different identification number. Duplicate "field" EC monitoring was conducted each day on at least one well.

Five (5) duplicates were collected from the wells, representing at least 5 percent of the samples collected. The duplicate samples were collected from wells M-11, M-84, PC-71, M-23 and M-65. They were analyzed for the same parameters as the primary samples. MWH was not informed of the identity of these "blind" samples.

5.2 Equipment Blanks

Two equipment blanks, EB-1 and EB-2, were taken this quarter. The equipment blanks were collected on, August 5th and August 6th. One set of three bottles for each day for a total of 6 bottles. This was done to evaluate the adequacy of cleaning procedures used by field personnel during this sampling event.

5.3 Field Blanks

One field blank sample (FB-1) was collected on August 4th. One set of three bottles was sent to the laboratory for analysis to evaluate the integrity of the de-ionized water used to clean and purge the sampling equipment.

6.0 ANALYTICAL PROCEDURES

The following designates the parameter, analytical method and method reporting limits for groundwater. Some of the following analysis may not have been performed for this reporting period. VWNA lists all appropriate information to include analysis conducted throughout the entire year:

PARAMETER	ANALYTICAL METHOD	MRL

CLO4	EPA Method 314	4.0 µg/L
Total Chromium	EPA Method 200.7	0.01 mg/L
Hexavalent Chromium (Cr+6)	EPA Method 4500 CR-D	0.005 mg/L,
pH	EPA Method 150	.01 units
EC	EPA Method 2510	2 µohms/cm
TDS	EPA Method 2540C.	10 mg/L

MWH Laboratory QC analytical method and method reporting limits information, was taken from the MWH Laboratory Data Report.

PARAMETER	ANALYTICAL METHOD	MRL
Chloride	EPA Method 300	80.0 mg/L
Iron (ICAP)	EPA Method 200.7	0.005 mg/L
Manganese (ICAP/MS)	EPA Method 200.8	100 µg/L
Sodium (ICAP)	EPA Method 200.7	5 mg/L
Phenolic Compounds	EPA Method 420.1, 420.2	.010 mg/L
Sulfate	EPA Method 300	80 mg/L
Total Organic Carbon, TOC	EPA Method (ML/SM 5310C)	unknown
Total Organic Halogen, TOX	EPA Method (ML/9020 / SM5320)	unknown
Boron	EPA 200.7	.10 mg/L
Fluoride	SM4500F-C	.050 mg/L
Molybdenum	EPA 200.8	2.0 ug/L
Total Organic Nitrogen	EPA Method 300	0.200 mg/L
Ammonia Nitrogen	EPA Method 350	0.050 mg/L
Nitrate Nitrogen	EPA Method 300	2.0 mg/L
Copper	EPA Method 200.8	2.0 ug/L

Laboratory QA/QC procedures employed by MW are being provided directly to KMG.

6.1 Field Equipment Calibration

Prior to the start of each day's events, field laboratory equipment was calibrated. A Hanna HI 98130 water proof pH, EC/TDS and temperature field probe was calibrated and measurements recorded on daily laboratory calibration maintenance forms, which have been provided.

Duplicate EC readings were taken once per day of the sampling event to insure the precision of the probe. These results are found at the bottom of the calibration maintenance forms.

7.0 SUMMARY RESULTS

7.1 Groundwater Level Soundings

A summary of water level soundings collected for the interceptor and monitoring wells are presented in Table 1. A low number indicates a tall water column and a high number indicates a shallow water column.

Pumping water level in interceptors wells. (Measured in feet from below the top of casing.)

LOW	HIGH
46.48 (I-D)	25.07 (I-I)

Static water level monitoring wells. (Measured in feet from below the top of casing.)

LOW	HIGH
47.45 (M-10)	10.02 (PC-132)

7.2 Summary of Field Activities

7.2.1 Interceptor Wells

CLO4, Cr, pH and TDS	24 interceptor wells

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.2 Monitoring Wells

CLO4, Cr, Cr+6, pH, and TDS	9 monitoring wells
CLO4, Cr, pH and TDS	52 monitoring wells
TOC, TOX, pH/EC, TDS CLO4, CR	2 RCRA wells
TOC, TOX, pH/EC, TDS	2 RCRA wells

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.3 QC Duplicate Samples (Measured for the same analyses as the primary samples.)

M-11 and M-84 (Measured for CLO4, Total Cr., Hex Cr., pH and TDS)

PC-71, M-23 and M-65 (Measured for Total Cr., pH, CLO4 and TDS)

7.2.4 Equipment Blanks

Three equipment blanks were analyzed for CLO4, Total Cr., Hex Cr., pH, and TDS.

7.2.5 Field Blank

One field blank was analyzed for CLO4, Total Cr., Hex Cr., pH and TDS.

Weather	Humid, HOT
Total # of wells sampled	89
Total water samples collected	94
Total Wells measured DTW only	8
Total Duplicate Samples (5%)	5
Total Equipment Blanks	2
Total Field Blanks	1
Total Wells hand bailed	3
Total Wells considered DRY	4
Total Wells not found	1
Total Wells out of service	0

VEOLIA
WATER

Table of Well Gauging Data

This Section Contains:

- Field Sign - In Log
- Daily Maintenance & Calibration Log
- Table 1 Well Inventory
- Chain-of-Custody & Bottle Order Forms

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-3521 / Fax 702-566-9030
www.Veoliawaterna.com

VEOLIA
WATER

Field Sign In Log

DATE	TIME	COMPANY	PRINT NAME	SIGNATURE
8-4-08	300	VWNA	Michele Brown	Michele Brown
8-4-08	300	VWNA	Russell Speckin	
8-4-08	300	VWNA	Thomas McDaniel	Thomas McDaniel
8-5-08	300	VWNA	Michele Brown	Michele Brown
8-5-08	300	VWNA	Russell Speckin	
8-5-08	300	VWNA	Thomas McDaniel	Thomas McDaniel
8-6-08	300	VWNA	Michele Brown	Michele Brown
8-6-08	300	VWNA	Russell Speckin	
8-6-08	300	VWNA	Thomas McDaniel	Thomas McDaniel
8-7-08	300	VWNA	Michele Brown	Michele Brown
8-7-08	300	VWNA	Thomas McDaniel	Thomas McDaniel
8-7-08	300	VWNA	Russell Speckin	

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 8-4-08

HANNA FIELD PH METER

			Time/analyst
Known value	1) 7.0	1) 8.0	240 AM MB
CalibrationValue	2) 7.01	2) 7.98	
Buffer Temperature	3) 24.9	3) 24.0	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

		Time/analyst
Known Value	1) 1288	245 AM MB
Temp. Comp. Value	1) 1288	
Calibration Value	1) 1278	
Standard Temp	1) 25.1	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-95

1st Reading

EC 1.169 mS/cm TEMP 24.7

2nd Reading

EC 1.167 mS/cm TEMP 24.6 MD oc

All equipment was rinsed and purged with Deionized water after each well.

Date 8-4-08 Verified MD

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 8-5-08

HANNA FIELD PH METER

			Time/analyst
Known value	1) 7.0	1) 8.0	255A / MD
CalibrationValue	2) 7.0	2) 7.99	
Buffer Temperature	3) 24.9	3) 24.6	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

		Time/analyst
Known Value	1) 1288	250A / MB
Temp. Comp. Value	1) 1288	
Calibration Value	1) 1284	
Standard Temp	1) 24.5	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-37

1st Reading

EC 8.46 mS/cm TEMP 27.8 °C

2nd Reading (MB)

EC 27. 8151 mS/cm TEMP 27.9 °C

All equipment was rinsed and purged with Deionized water after each well.

Date 8-5-08 Verified MB

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 8-6-08

HANNA FIELD PH METER

			Time/analyst
Known value	1) 7.0	1) 8.0	MB/ 255A
CalibrationValue	2) 6.99	2) 7.98	
Buffer Temperature	3) 24.3	3) 24.6	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

		Time/analyst
Known Value	1) 1288	MB/ 250A
Temp. Comp. Value	1) 1264	
Calibration Value	1) 1286	
Standard Temp	1) 23.8	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-11

1st Reading

EC 4.61 mS/cm TEMP 28.0 °C

2nd Reading

EC 4.52 mS/cm TEMP 28.1 °C

All equipment was rinsed and purged with Deionized water after each well.

Date 8-6-08 Verified MB

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 8-7-08

HANNA FIELD PH METER

			Time/analyst
Known value	1) 7.0	1) 8.0	250AM MB
CalibrationValue	2) 6.99	2) 7.98	
Buffer Temperature	3) 25.4	3) 26.1°C	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

		Time/analyst
Known Value	1) 1288	245AM MB
Temp. Comp. Value	1) 1288	
Calibration Value	1) 1286	
Standard Temp	1) 24.9°C	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-10

1st Reading
EC 3.93 TEMP 25.1°C
mS/cm

2nd Reading
EC 3.96 TEMP 25.0°C
mS/cm

All equipment was rinsed and purged with Deionized water after each well.

Date 8-7-08 Verified MB

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 8-13-08

HANNA FIELD PH METER

			Time/analyst
Known value	1) 7.0	1) 8.0	835 MB
CalibrationValue	2) 7.01	2) 7.99	
Buffer Temperature	3) 24.2	3) 24.8	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

		Time/analyst
Known Value	1) 1288	830 MB
Temp. Comp. Value	1) 1264	
Calibration Value	1) 1287	
Standard Temp	1) 23.9	
	changed standards yes ✓ please check	

Duplicate EC reading Well # H-28A

1st Reading

EC 11.57 mS/cm TEMP 25.9 °C

2nd Reading

EC 11.40 mS/cm TEMP 25.9 °C

All equipment was rinsed and purged with Deionized water after each well.

Date 8-13-08 Verified MB

Table 1
TRONOX LLC
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NV

Wells to be Sampled for: Third Quarter, August 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-2A	40.69	1781.16	Only Sampled in the 2nd Quarter (Annual) Sampling event					pH / Cr / ClO_4 / TDS
M-5A	50.00	1751.80	36.74	1715.06	6.69	15.95	8-5/7:50	pH/SC/TOC/TOX x4 CR/CLO4/TDS
M-6A	46.00	1733.20	38.94	1694.26	7.03	10.1	8-5/7:31	(pH / SC / TOC / TOX) x 4/TDS
M-7B	55.00	1732.83	36.45	1696.38	7.01	11.61	8-5/7:06	(pH / SC / TOC / TOX) x 4/TDS
M-10	69.45	1836.21	47.45	1788.76	6.85	3.93	8-7/8:35	pH / Cr / Cr^6 / ClO_4 / TDS
M-11	58.00	1815.54	42.41	1773.13	7.60	4.61	8-6/8:50	pH / Cr / Cr^6 / ClO_4 / TDS
M-12A	50.00	1812.76	40.58	1772.18	7.54	9.64	8-6/8:31	pH / Cr / Cr^6 / ClO_4 / TDS
M-13	54.76	1814.89			Only sampled 2nd quarter			pH / Cr / ClO_4 / TDS
M-14A	42.40		33.32		7.34	4.24	8-7/7:7	pH / Cr / ClO_4 / TDS
M-15	42.55	1750.97		Not sampled as part of the Quarterly monitoring program				Not sampled
M-17A	45.00	1768.99	33.10	1735.89	7.01	14.36	8-7/6:51	pH / Cr / ClO_4 / TDS
M-18	29.80	1740.48	29.92	1710.56		NO SAMPLE	8-6/7:48	Not sampled
M-19	41.20	1766.77	34.62	1732.15	7.14	6.02	8-6/6:08	pH / Cr / ClO_4 / TDS
M-21	44.74	1792.07			Only sampled 2nd quarter			pH / Cr / ClO_4 / TDS
M-22A	36.92	1759.46	30.67	1728.79	6.86	15.57	8-7/5:54	pH / Cr / ClO_4 / TDS
M-23	44.47	1720.35	28.51	1691.84	7.36	5.29	8-4/8:23	pH / Cr / ClO_4 / TDS
M-25	41.47	1759.93	33.64	1726.29	6.96	10.91	8-5/8:52	pH / Cr / ClO_4 / TDS
M-27	26.00	1742.25	Well was abandoned by KMCC by backfilling with Portland cement					Not sampled
M-29	41.74	1806.60						pH / Cr / ClO_4 / TDS
M-31A	55.00	1796.87	45.39	1751.48	7.02	9.32	8-6/4:41	pH / Cr / ClO_4 / TDS
M-32	46.76	1799.86						pH / Cr / ClO_4 / TDS
M-33	46.78	1800.29			Only sampled 2nd quarter			pH / Cr / ClO_4 / TDS
M-34	41.83	1777.10	37.38	1739.72	6.95	10.78	8-6/5:39	pH / Cr / ClO_4 / TDS
M-35	42.33	1775.94	35.18	1740.76	7.07	6.61	8-6/5:49	pH / Cr / ClO_4 / TDS
M-36	37.85	1759.82	32.56	1727.26	6.87	16.13	8-7/8:12	pH / Cr / Cr^6 / ClO_4 / TDS
M-37	37.18	1761.06	32.55	1728.51	6.80	8.46	8-5/9:11	pH / Cr / Cr^6 / ClO_4 / TDS
M-38	36.82	1759.73	31.37	1728.36	6.93	14.56	8-7/6:09	pH / Cr / ClO_4 / TDS
M-39	42.60	1761.13	32.08	1729.05	6.93	8.13	8-6/6:23	pH / Cr / ClO_4 / TDS
M-44	37.65	1698.31	20.17	1678.14	7.44	7.66	8-4/9:45	pH / Cr / Cr^6 / ClO_4 / TDS
M-48	38.59	1720.78	28.19	1692.59	7.49	3.27	8-4/9:12	pH / Cr / ClO_4 / TDS
M-50	62.15	1795.64	46.32	1749.32	7.07	15.41	8-6/5:10	pH / Cr / ClO_4 / TDS
M-52	47.38	1801.92			Only Sampled in 2nd and 4th quarters			pH / Cr / ClO_4 / TDS
M-55	45.00	1750.88		Not sampled as part of the Quarterly monitoring program				Not sampled
M-56	40.00	1750.83		Not sampled as part of the Quarterly monitoring program				Not sampled

(SC) specific conductivity, (Cr) total chromium, (Cr 6) hex chromium, (ClO4) perchlorate, (Mn) Manganese, (TDS) total dissolved solids

Table 1
TRONOX LLC
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NV

Wells to be Sampled for: Third Quarter, August 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-57A	42.40		29.95		7.39	4.35	8-5/8:36	pH / Cr / ClO_4 / TDS
M-58	45.00	1751.25		Not sampled as part of the Quarterly monitoring program				Not sampled
M-60	43.00	1750.94		Not sampled as part of the Quarterly monitoring program				Not sampled
M-61	41.00	1746.83	24.91	1721.92	7.08	6.58	8-6/6:53	pH / Cr / ClO_4 / TDS
M-64	38.00	1749.76	29.62	1720.14	7.17	8.78	8-5/4:56	pH / Cr / ClO_4 / TDS
M-65	40.00	1753.90	33.05	1720.85	6.83	15.86	8-5/5:25	pH / Cr / ClO_4 / TDS
M-66	43.00	1754.24	31.42	1722.82	6.71	16.12	8-5/5:44	pH / Cr / ClO_4 / TDS
M-67	38.00	1745.91	22.33	1723.58	6.90	8.60	8-6/7:11	pH / Cr / ClO_4 / TDS
M-68	41.00	1748.72	26.93	1721.79	7.15	7.32	8-6/6:37	pH / Cr / ClO_4 / TDS
M-69	40.00	1749.75	29.32	1720.43	7.02	5.99	8-5/6:18	pH / Cr / ClO_4 / TDS
M-70	41.00	1748.24	22.71	1725.53	7.39	3.49	8-7/5:03	pH / Cr / ClO_4 / TDS
M-71	43.00	1747.04	28.34	1718.70	6.81	7.72	8-7/5:18	pH / Cr / ClO_4 / TDS
M-72	36.00	1746.49	30.97	1715.52	6.95	8.52	8-7/5:35	pH / Cr / ClO_4 / TDS
M-73	36.00	1741.14	29.34	1711.80	7.23	5.62	8-6/7:52	pH / Cr / ClO_4 / TDS
M-74	39.00	1744.37	29.82	1714.55	7.15	7.48	8-6/7:39	pH / Cr / ClO_4 / TDS
M-75	53.90	1784.21			Only sampled 2nd quarter			pH / Cr / ClO_4 / TDS
M-76	54.60	1785.21			Only sampled 2nd quarter			pH / Cr / ClO_4 / TDS
M-77	47.80	1800.17			Only sampled 2nd quarter			pH / Cr / ClO_4 / TDS
M-78	43.60	1751.50		Not sampled as part of the quarterly monitoring program				Not sampled
M-79	37.60	1742.53	23.45	1719.08	7.51	1.59	8-5/6:02	pH / Cr / ClO_4 / TDS
M-80	43.70	1746.04	25.15	1720.89		NO SAMPLE	8-6/8:25	W.L. only
M-81A	41.60	1744.16	31.52	1712.64		NO SAMPLE	8-6/8:27	W.L. only
M-83	42.50	1742.36	19.29	1723.07		NO SAMPLE	8-7/4:55	pH / Cr / ClO_4 / TDS
M-84	36.60	1741.03	22.49	1718.54	7.50	1.59	8-7/7:52	pH / Cr / Cr^6 / ClO_4 / TDS
M-85	38.87	1741.19		1741.19		NO SAMPLE		pH / Cr / ClO_4 / TDS
M-86	43.00	1744.23		1744.23		NO SAMPLE		pH / Cr / ClO_4 / TDS
M-87	41.00	1744.12	36.66	1707.46	7.22	4.06	8-7/4:02	pH / Cr / ClO_4 / TDS
M-88	39.00	1739.35	32.14	1707.21	7.13	8.26	8-6/8:13	pH / Cr / ClO_4 / TDS
M-89	39.00	1766.19	33.57	1732.62	6.82	13.38	8-7/6:37	pH / Cr / ClO_4 / TDS
M-92	48.50	1800.76	37.52	1763.24	7.52	2.66	8-6/3:41	pH / Cr / ClO_4 / TDS
M-93	49.00	1797.54	36.34	1761.20		NO SAMPLE	8-6/4:05	pH / Cr / ClO_4 / TDS
M-94	21.60	1695.07		Well Not Found				pH / Cr / Cr^6 / ClO_4 / TDS
M-95	30.00	1694.09	12.29	1681.80	7.54	6.69	8-4/10:15	pH / Cr / CRVI / ClO_4 / TDS
M-96	16.90	1693.52	10.46	1683.06	7.54	6.12	8-4/8:45	pH / Cr / ClO_4 / TDS

(SC) specific conductivity, (Cr) total chromium, (Cr 6) hex chromium, (ClO4) perchlorate, (Mn) Manganese, (TDS) total dissolved solids

Table 1
TRONOX LLC
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NV

Wells to be Sampled for: Third Quarter, August 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-97	52.50	1800.85	40.41	1760.44	7.21	4.71	8-6/3:59	pH / Cr / ClO_4 / TDS
M-98	33.40	1731.90	33.38	1698.52		NO SAMPLE	8-5/6:59	pH / Cr / ClO_4 / TDS
M-99	36.50	1730.74	31.92	1698.82	7.14	5.54	8-5/6:45	pH / Cr / ClO_4 / TDS
M-100	32.80	1730.93	30.77	1700.16	7.35	2.56	8-7/7:45	pH / SC / Cr / Cr^6 / ClO_4 / TDS
M-101	31.20	1730.81		1730.81		NO SAMPLE	8-7/4:27	pH / Cr / ClO_4 / TDS
M-102	43.50	1740.24	43.31	1696.93		NO SAMPLE	8-7/4:23	pH / Cr / ClO_4 / TDS
M-115	47.40	1783.44	38.35	1745.09	7.47	3.82	8-7/7:10	pH / Cr / ClO_4 / TDS
M-131	39.30	1754.13	32.42	1721.71	7.39	4.18	8-5/4:42	pH / Cr / ClO_4 / TDS
M-135	49.73	1751.85	32.17	1719.68	7.33	4.68	8-5/6:32	pH / Cr / ClO_4 / TDS
PC-123	34.70	1626.70	23.24	1603.46	7.30	7.6	8-4/3:58	pH / Cr / ClO_4 / TDS
PC-124	34.60	1636.30	25.03	1611.27	7.30	6.35	8-4/4:17	pH / Cr / ClO_4 / TDS
PC-125	33.50	1635.41	23.57	1611.84	7.30	6.85	8-4/4:29	pH / Cr / ClO_4 / TDS
PC-126	34.30	1634.67	22.62	1612.05	7.15	11.82	8-4/4:42	pH / Cr / ClO_4 / TDS
PC-127	34.70	1632.92	19.29	1613.63	7.31	7.48	8-4/4:54	pH / Cr / ClO_4 / TDS
PC-128	34.70	1633.62	19.47	1614.15	7.44	5.67	8-4/5:09	pH / Cr / ClO_4 / TDS
PC-129	37.70	1634.35	18.99	1615.36	7.15	6.47	8-4/5:21	pH / Cr / ClO_4 / TDS
PC-130	49.70	1633.50	19.28	1614.22	7.25	6.87	8-4/5:39	pH / Cr / ClO_4 / TDS
PC-131	39.40	1634.29	11.32	1622.97	7.12	11.09	8-4/5:57	pH / Cr / ClO_4 / TDS
PC-132	39.70	1634.84	10.02	1624.82	7.12	10.89	8-4/6:12	pH / Cr / ClO_4 / TDS
Interceptor Wells								
I-AA	46.00	1599.40	32.49	1566.91	7.27	4.85	8-5/3:11	pH / Cr / ClO_4 / TDS
I-AR	45.00	1758.35	43.44	1714.91	6.81	8.94	8-5/4:11	pH / Cr / ClO_4 / TDS
I-B	45.70	1752.66	43.67	1708.99	7.08	6.26	8-5/4:05	pH / Cr / ClO_4 / TDS
I-C	43.80	1752.77	40.62	1712.15	6.87	9.15	8-5/3:54	pH / Cr / ClO_4 / TDS
I-D	47.70	1752.66	46.48	1706.18	6.96	10.37	8-5/3:51	pH / Cr / ClO_4 / TDS
I-E	46.70	1752.36	45.02	1707.34	6.71	10.98	8-5/3:47	pH / Cr / ClO_4 / TDS
I-F	45.80	1749.70	38.02	1711.68	6.79	13.85	8-5/3:42	pH / Cr / ClO_4 / TDS
I-G	42.60	1752.50	32.45	1720.05	6.75	16.43	8-5/3:32	pH / Cr / ClO_4 / TDS
I-H	46.50	1753.21	44.04	1709.17	6.55	16.19	8-5/3:21	pH / Cr / ClO_4 / TDS
I-I	44.20	1745.50	25.07	1720.43	7.06	12.55	8-6/7:27	pH / Cr / ClO_4 / TDS
I-J	44.50	1750.07	33.08	1716.99	7.25	7.39	8-6/6:50	pH / Cr / ClO_4 / TDS
I-K	40.60	1750.07	34.74	1715.33	7.33	6.76	8-6/6:40	pH / Cr / ClO_4 / TDS
I-L	43.40	1751.69	40.32	1711.37	6.91	8.12	8-5/4:01	pH / Cr / ClO_4 / TDS

(SC) specific conductivity, (Cr) total chromium, (Cr 6) hex chromium, (ClO4) perchlorate, (Mn) Manganese, (TDS) total dissolved solids

Table 1
TRONOX LLC
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NV

Wells to be Sampled for: Third Quarter, August 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
I-M	43.70	1752.89	41.11	1711.78	6.88	10.71	8-5/3:49	pH / Cr / ClO_4 / TDS
I-N	41.70	1751.45	39.28	1712.17	6.69	11.29	8-5/3:45	pH / Cr / ClO_4 / TDS
I-O	43.80	1752.79	35.72	1717.07	6.83	15.52	8-5/3:25	pH / Cr / ClO_4 / TDS
I-P	47.80	1751.66	42.91	1708.75	6.57	15.54	8-5/3:17	pH / Cr / ClO_4 / TDS
I-Q	43.80	1753.11	40.86	1712.25	6.70	16.4	8-5/3:34	pH / Cr / ClO_4 / TDS
I-R	45.30	1751.35	41.58	1709.77	7.06	8.3	8-5/4:03	pH / Cr / ClO_4 / TDS
I-S	47.70	1750.03	44.93	1705.10	7.10	8.06	8-5/3:58	pH / Cr / ClO_4 / TDS
I-T	47.80	1751.65	33.35	1718.30	6.63	16.7	8-5/3:30	pH / Cr / ClO_4 / TDS
I-U	47.60	1752.16	45.00	1707.16	6.35	16.68	8-5/3:28	pH / Cr / ClO_4 / TDS
I-V	47.70	1752.13	33.68	1718.45	6.92	13.62	8-6/7:25	pH / Cr / ClO_4 / TDS
I-W	52.88	1751.50	30.81	1720.69		NO SAMPLE	8-5/3:28	pH / Cr / ClO_4 / TDS
I-X	52.88	1748.60	30.61	1717.99		NO SAMPLE	8-5/3:45	pH / Cr / ClO_4 / TDS
I-Y	53.01	1751.40	30.31	1721.09		NO SAMPLE	8-5/4:02	pH / Cr / ClO_4 / TDS
I-Z	37.00	1743.78	30.92	1712.86	7.00	9.75	8-6/7:06	pH / Cr / ClO_4 / TDS
Other wells (offsite)								
PC-37	43.08	1707.71	26.09	1681.62	7.44	7.6	8-4/8:00	pH / Cr / ClO_4 / TDS
PC-54	34.60	1704.42	18.39	1686.03	7.33	5.74	8-4/6:41	pH / Cr / ClO_4 / TDS
PC-71	33.23	1698.73	23.62	1675.11	7.44	7.51	8-4/7:14	pH / Cr / ClO_4 / TDS
PC-72	39.54	1699.43	21.94	1677.49	7.48	6.94	8-4/7:27	pH / Cr / ClO_4 / TDS
PC-73	49.44	1699.49	30.34	1669.15	7.41	6.9	8-4/7:40	pH / Cr / ClO_4 / TDS
Pioneer Chemical Well								
H-28A	51.00	1731.75	39.23	1692.52	6.74	11.57	8-13/9:01	pH/TOC/TOX x4 CR/CLO4/TDS/SC
Duplicate Samples:								
MD-1	M-11		42.41	1773.13	7.60	4.61	8-6/8:50	pH / Cr / Cr^6 / ClO_4 / TDS
MD-2	M-84		22.19	1718.84	7.50	1.59	8-7/7:52	pH / Cr / Cr^6 / ClO_4 / TDS
MD-3	PC-71		28.34	1718.70	6.81	7.72	8-4/7:14	pH / Cr / ClO_4 / TDS
MD-4	M-23		28.51	1691.84	7.36	5.29	8-4/8:23	pH / Cr / ClO_4 / TDS
MD-5	M-65		33.05	1720.85	6.83	15.86	8-5/5:25	pH / Cr / ClO_4 / TDS
Other Samples Collected:								
EB-1							8-5/9:35	pH / Cr / Cr^6 / ClO_4 / TDS
EB-2							8-6/7:05	pH / Cr / Cr^6 / ClO_4 / TDS
FB-1							8-4/10:01	pH / Cr / Cr^6 / ClO_4 / TDS

ACTUAL			
Wells Sampled	89	Number of Wells to be Sampled:	95
Duplicates	5	Number of Duplicate Samples (5%):	4
Field Blanks	1	Number of Field Blanks (1 per Qtr):	1
Equipment Blanks	2	Number of Equipment Blanks (2 per Qtr):	2
Water Samples	97	Total Number of Water Samples to be Collect:	102
DTW only	10	Number of wells where water levels measured only:	7
Wells Visited	99	Total Number of Wells to visit:	102

(SC) specific conductivity, (Cr) total chromium, (Cr 6) hex chromium, (ClO4) perchlorate, (Mn) Manganese, (TDS) total dissolved solids

MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:
LOGIN COMMENTS: _____
SAMPLES CHECKED/LOGGED IN BY: _____
SAMPLE TEMP, RECEIPT AT LAB: _____
BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP
PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling; Schedule B
Sampler: Michele Brown
Susan Crowley (702) 651-2234
Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
921	8-4-08		M-48	RGW	X		X	X	X	X											2 Bottles
723	8-4-08		PC-71	RGW	X		X	X	X	X											2 Bottles
735	8-4-08		PC-72	RGW	X		X	X	X	X											2 Bottles
754	8-4-08		PC-73	RGW	X		X	X	X	X											2 Bottles
814	8-4-08		PC-37	RGW	X		X	X	X	X											2 Bottles
834	8-4-08		M-23	RGW	X		X	X	X	X											2 Bottles
1038	8-4-08		M-95	RGW	X		X	X	X	X	X										3 Bottles
1000	8-4-08		M-44	RGW	X		X	X	X	X	X										3 Bottles
1001	8-4-08		FB-1	RGW	X		X	X	X	X	X										3 Bottles
—	8-4-08		MD-3	RGW	X		X	X	X	X											2 Bottles
—	8-4-08		MD-4	RGW	X		X	X	X	X											2 Bottles
				RGW	X		X	X	X	X											Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-4-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
4:11	8-4-08		PC-123	RGW	X		X	X	X	X					2 Bottles
4:25	8-4-08		PC-124	RGW	X		X	X	X	X					2 Bottles
4:37	8-4-08		PC-125	RGW	X		X	X	X	X					2 Bottles
4:50	8-4-08		PC-126	RGW	X		X	X	X	X					2 Bottles
503	8-4-08		PC-127	RGW	X		X	X	X	X					2 Bottles
518	8-4-08		PC-128	RGW	X		X	X	X	X					2 Bottles
534	8-4-08		PC-129	RGW	X		X	X	X	X					2 Bottles
5:52	8-4-08		PC-130	RGW	X		X	X	X	X					2 Bottles
608	8-4-08		PC-131	RGW	X		X	X	X	X					2 Bottles
624	8-4-08		PC-132	RGW	X		X	X	X	X					2 Bottles
851	8-4-08		M-96	RGW	X		X	X	X	X					2 Bottles
652	8-4-08		PC-54	RGW	X		X	X	X	X					2 Bottles

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-4-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
327	8-5-08		I-O	RGW	X		X	X	X	X					Bottles
319	8-5-08		I-P	RGW	X		X	X	X	X					Bottles
322	8-5-08		I-H	RGW	X		X	X	X	X					Bottles
329	8-5-08		I-U	RGW	X		X	X	X	X					Bottles
331	8-5-08		I-T	RGW	X		X	X	X	X					Bottles
333	8-5-08		I-G	RGW	X		X	X	X	X					Bottles
336	8-5-08		I-Q	RGW	X		X	X	X	X					Bottles
344	8-5-08		I-F	RGW	X		X	X	X	X					Bottles
346	8-5-08		I-N	RGW	X		X	X	X	X					Bottles
348	8-5-08		I-E	RGW	X		X	X	X	X					Bottles
350	8-5-08		I-M	RGW	X		X	X	X	X					Bottles
352	8-5-08		I-D	RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
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RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling, Schedule B

Sampler: Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
355	8-5-08		I-C	RGW	X		X	X	X	X											Bottles
359	8-5-08		I-S	RGW	X		X	X	X	X											Bottles
402	8-5-08		I-L	RGW	X		X	X	X	X											Bottles
404	8-5-08		I-R	RGW	X		X	X	X	X											Bottles
407	8-5-08		I-B	RGW	X		X	X	X	X											Bottles
412	8-5-08		I-AR	RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
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RGW = Raw Ground Water
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CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
327	8-5-08		I-O	RGW	X		X	X	X	X					Bottles
319	8-5-08		I-P	RGW	X		X	X	X	X					Bottles
322	8-5-08		I-H	RGW	X		X	X	X	X					Bottles
329	8-5-08		I-L	RGW	X		X	X	X	X					Bottles
331	8-5-08		I-T	RGW	X		X	X	X	X					Bottles
333	8-5-08		I-G	RGW	X		X	X	X	X					Bottles
336	8-5-08		I-Q	RGW	X		X	X	X	X					Bottles
344	8-5-08		I-F	RGW	X		X	X	X	X					Bottles
346	8-5-08		I-N	RGW	X		X	X	X	X					Bottles
348	8-5-08		I-E	RGW	X		X	X	X	X					Bottles
350	8-5-08		I-M	RGW	X		X	X	X	X					Bottles
352	8-5-08		I-D	RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order								SAMPLER Comments
355	8-5-08		I-C	RGW	X		X	X	X	X												Bottles
359	8-5-08		I-S	RGW	X		X	X	X	X												Bottles
402	8-5-08		I-L	RGW	X		X	X	X	X												Bottles
404	8-5-08		I-R	RGW	X		X	X	X	X												Bottles
407	8-5-08		I-B	RGW	X		X	X	X	X												Bottles
412	8-5-08		I-AR	RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling — Schedule B

Sampler: Michele Brown (Michele Brown)

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
4:33	8-5-08		I-AA	RGW	X		X	X	X	X					2 Bottles
4:49	8-5-08		M-131	RGW	X		X	X	X	X					2 Bottles
5:18	8-5-08		M-64	RGW	X		X	X	X	X					2 Bottles
5:37	8-5-08		M-65	RGW	X		X	X	X	X					2 Bottles
557	8-5-08		M-62	RGW	X		X	X	X	X					2 Bottles
613	8-5-08		M-79	RGW	X		X	X	X	X					2 Bottles
628	8-5-08		M-129	RGW	X		X	X	X	X					2 Bottles
639	8-5-08		M-135	RGW	X		X	X	X	X					2 Bottles
—	8-5-08		M-98	RGW	X		X	X	X	X				NO SAMPLE	~~2~~ Bottles
651	8-5-08		M-99	RGW	X		X	X	X	X					2 Bottles
903	8-5-08		M-25	RGW	X		X	X	X	X					2 Bottles
845	8-5-08		M-5MA	RGW	X		X	X	X	X					2 Bottles

* MATRIX TYPES:

Reported by Volume:
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FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	(Michele Brown)	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:					
RELINQUISRED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES **CHAIN OF CUSTODY RECORD**

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling, Schedule B

Sampler: Michele Brown (signature: Michele Brown)

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [ ] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order								SAMPLER Comments
930	8-5-08		M-37	RGW	X		X	X	X	X	X											3 Bottles
935	8-5-08		EB-1	RGW	X		X	X	X	X												3 Bottles
—	8-5-08		MD-5	RGW	X		X	X	X	X												2 Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP. RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Sampling

Sampler Signature: Michele Brown (Michele Brown)
Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	TOC 4 bottles	TOX 3 bottles	pH 9040, EC 9050 4 bttls	TDS	CR 6B40	CL04									SAMPLER COMMENTS
824	8-5-08		M-5A	RGW	X		X	X	X	X	X	X									MB 15 bottles
745	8-5-08		M-6A	RGW	X		X	X	X	X											MB 12 bottles
726	8-5-08		M-7B	RGW	X		X	X	X	X											MB 12 bottles
—	8-5-08		H-28A	RGW	X		X	X	X	X	X	X		NO SAMPLE							MB 6 bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
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RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00 PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
1101	8-6-08		I-2	RGW	X		X	X	X	X											2 Bottles
1128	8-6-08		I-1	RGW	X		X	X	X	X											2 Bottles
1126	8-6-08		I-V	RGW	X		X	X	X	X											2 Bottles
1124	8-6-08		M-107	RGW	X		X	X	X	X											2 Bottles
1146	8-6-08		M-114	RGW	X		X	X	X	X											2 Bottles
810	8-6-08		M-113	RGW	X		X	X	X	X											2 Bottles
1319	8-6-08		M-88	RGW	X		X	X	X	X											2 Bottles
1344	8-6-08		M-12A	RGW	X		X	X	X	X	X										2 Bottles
930	8-6-08		M-11	RGW	X		X	X	X	X	X										3 Bottles
	8-6-08		MD-1	RGW	X		X	X	X	X	X										3 Bottles
1105	8-6-08		EB-2	RGW	X		X	X	X	X	X										3 Bottles
				RGW	X		X	X	X	X											Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
355	8-6-08		M-92	RGW	X		X	X	X	X					Bottles
417	8-6-08		M-97	RGW	X		X	X	X	X					Bottles
505	8-6-08		M-31A	RGW	X		X	X	X	X					Bottles
533	8-6-08		M-50	RGW	X		X	X	X	X					Bottles
546	8-6-08		M-34	RGW	X		X	X	X	X					Bottles
604	8-6-08		M-35	RGW	X		X	X	X	X					Bottles
617	8-6-08		M-19	RGW	X		X	X	X	X					Bottles
631	8-6-08		M-39	RGW	X		X	X	X	X					Bottles
647	8-6-08		M-68	RGW	X		X	X	X	X					Bottles
702	8-6-08		M-101	RGW	X		X	X	X	X					Bottles
612	8-6-08		J-K	RGW	X		X	X	X	X					Bottles
651	8-6-08		I-J	RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
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RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smcf52002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
415	8-7-08		M-89	RGW	X		X	X	X	X					2 Bottles
515	8-7-08		M-10	RGW	X		X	X	X	X					2 Bottles
530	8-7-08		M-11	RGW	X		X	X	X	X					2 Bottles
550	8-7-08		M-12	RGW	X		X	X	X	X					2 Bottles
610	8-7-08		M-38	RGW	X		X	X	X	X					2 Bottles
601	8-7-08		M-22A	RGW	X		X	X	X	X					2 Bottles
645	8-7-08		M-89	RGW	X		X	X	X	X					2 Bottles
700	8-7-08		M-17A	RGW	X		X	X	X	X					2 Bottles
720	8-7-08		M-115	RGW	X		X	X	X	X					2 Bottles
735	8-7-08		M-14A	RGW	X		X	X	X	X					2 Bottles
823	8-7-08		M-36	RGW	X		X	X	X	X	X				3 Bottles
805	8-7-08		M-84	RGW	X		X	X	X	X	X				3 Bottles

* MATRIX TYPES:

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CFW = Chlor(am)inated Finished Water
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RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-7-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP	PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling, Schedule B
Sampler: Michele Brown (signature: Michele Brown); Susan Crowley (702) 651-2234	Tronox LLC - Henderson Plant, PO Box 55, Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [ ] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order								SAMPLER Comments
930	8-7-08		M-10	RGW	X		X	X	X	X	X											3 Bottles
	8-7-08		MD-2	RGW	X		X	X	X	X	X											3 Bottles
746	8-7-08		M-100	RGW	X		X	X	X	X	X											3 Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
																						Bottles

* MATRIX TYPES:

Reported by Volume:
- CFW = Chlor(am)inated Finished Water
- FW = Other Finished Water
- RGW = Raw Ground Water
- RSW = Raw Surface Water
- CWW = Chlorinated Waste Water
- WW = Other Waste Water
- SW = Storm Water

Reported by Weight:
- SO = Soil
- SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-7-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	CLO4

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	see bottle order													SAMPLER COMMENTS
9:30 AM	8/7/2008		M-10	RSW	X		X													

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
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RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8/7/2008	12:00 PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Sampling

Sampler Signature: Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	TOC 4 bottles	TOX 4 bottles	pH 9040, EC 9050 4 btls	TDS	CR 6010	CLO4	SAMPLER COMMENTS
			M-5A	RGW	X		X	X	X	X	X	X	
													no sample
			M-6A	RGW	X		X	X	X	X			
													no sample
			M-7B	RGW	X		X	X	X	X			
													no sample
9:15	8/13/2008		H-28A	RGW	X		X	X	X	X	X	X	
													13 bottles

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Reported by Volume:

CFW = Chlor(am)inated Finished Water
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RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8/13/2008	12:00 PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Page 1 of 43379

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Period
Week 1

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 43379 33899 RS 0

Sampler: Please Return this Paper with your samples

Created by MWH

Order Date 06/23/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative SHORT HOLDING TIME!!!!!	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode	Status	Date Shipped	Carrier	Qty of Coolers	Tracking Number	Prepared By

Bottle Order for Kerr McGee Chemical Company - Henderson

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

A Annual
Week 1
Period

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 43277 16934 RS
0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 06/19/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
16	TOC	1 125ml amber glass + 0.5ml H2SO4(50%)	UN 2796
4	TOX	2 x 250ml amber glass + 1ml H2S04	UN 2796
16	PH, EC,	1 125 ml poly/ no preservative	
4	TDS	1 500ml poly/ no preservative	

Important Comments

LANDFILL WELLS:
M-5A, M-6A, M-7A, H-28A

LOGIN - Please assign 4 lab numbers to each of the quadruplicate tests - TOX, TOC, EC, pH

FOR JULY SAMPLING EVENT

TDS is NOT in quad.

Code | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP Q Quarterly Period

Project Code CLO4

PO# / Job#

Blanket PO

Andrew Eaton Your MWL Project Manager

(626) 386-1125 Direct Phone/Voice Mail

SO# 43110 6529 RS 0

Sampler: Please Return this Paper with your samples

Created by MWH

Order Date 06/10/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
1	CR, MN, FE, B	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN2031
1	CL, TDS, NO3, NO2-N, N-INOR	1 500 ml poly, no preservative SHORT HOLDING TIME!!!!!	
1	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN2796

Important Comments

This is a quarterly sample for the "M-10 by the NPDES permit NV0023060

NO BLUE ICE NEEDED - CLIENT USING WET ICE TO COOL BOTTLES

CLIENT CODE CHANGED 7/25/03

changed 12/8/05- dropped Cu, Mo, F as per new permit and changed metals to all ICP

ActiveCode tus Date Shipped Carrier Qty of Coolers Tracking ber Prepared By

VEOLIA
WATER

Groundwater Field Log

This Section Contains:

- Water Sampling Field Logs

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-3521 / Fax 702-566-9030
www.Veoliawaterna.com

VEOLIA
WATER

Water Sampling Field Log

Well No.: PC-123

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 92°F warm)

Well Information:

Total Well Depth: 34.70 feet Time: 3584

Depth to Water: 23.24 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 11.46 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.83 gal. * Well Volume (WV) 3 = Purge Factor 5 MB gal Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
403	----	----	----	----	
406	2 gal	7.43	7.62mS/cm	25.5°C	clear
409	4 gal	7.32	7.55mS/cm	25.0°C	clear
410	5 gal	7.30	7.60mS/cm	24.9°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 4:11 Time Finished: 4:11A

Analyses / Bottles: pH / CLO4 / CR / TDS — 2 Bottles; pH / CLO4 / CR6 / TDS / CR — 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-124

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 34.60 feet Time: 417

Depth to Water: 25.03 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 9.57 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in) = Well Volume (WV): 1.53 gal. * Purge Factor: 3 = Purge Volume: 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
418	----	----	----	----	
421	2 gal	7.34	6.21 mS/cm	25.1°C	cloudy
423	4 gal	7.30	6.33 mS/cm	24.5°C	clear
4:24	5 gal	7.30	6.35 mS/cm	24.2°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 4:25 Time Finished: 4:25

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-125

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 33.50 feet Time: 4:29

Depth to Water: 23.57 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 9.93 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.58 gal. * Purge Factor 3 = Purge Volume 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
430	----	----	-----	----	
432	2 gal	7.36	6.35 mS/cm	24.6 °C	cloudy
434	4 gal	7.29	6.99 mS/cm	24.0 °C	slightly cloudy
436	5 gal	7.30	6.85 mS/cm	24.1 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 434 Time Finished: 437

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-1270

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 34.30 feet Time: 441

Depth to Water: 22.62 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 11.68 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.86 gal. * Purge Factor 3 = Purge Volume 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
442	----	----	----	----	
444	2 gal	7.20	11.88 mS/cm	24.3 °C	cloudy
446	4 gal	7.16	11.87 mS/cm	24.1 °C	clear
449	6 gal	7.15	11.82 mS/cm	23.6 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 450 Time Finished: 450

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-12M

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 34.70 feet Time: 454

Depth to Water: 19.29 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
15.41 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 2.46 gal.	* 3	= 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
455	-----	-----	-----	-----	
458	3 gal	7.37	7.19 mS/cm	24.2 °C	cloudy
500	5 gal	7.34	7.42 mS/cm	24.3 °C	clear
502	7 gal	7.31	7.48 mS/cm	24.2 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 503 Time Finished: 503

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-128

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 34.10 feet Time: 509

Depth to Water: 19.47 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 15.23 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.43 gal. * 3 = 7 gal

Well Volume (WV)	Purge Factor	Purge Volume
2.43 gal.	3	7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
509	-----	-----	-----	-----	
513	3 gal	7.49	5.41 mS/cm	25.0°C	slightly cloudy
515	5 gal	7.44	5.62 mS/cm	24.9°C	clear
517	7 gal	7.44	5.67 mS/cm	24.8°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 518 Time Finished: 518

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-129

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 96°F

Well Information:

Total Well Depth: 37.70 feet Time: 521

Depth to Water: 18.99 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 18.71 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 2.99 gal. * Purge Factor: 3 = Purge Volume: 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
523	----	----	----	----	
526	3 gal	7.30	5.46 mS/cm	23.9°C	Cloudy
528	6 gal	7.21	6.04 mS/cm	23.8°C	Slightly cloudy
531	9 gal	7.17	6.40 mS/cm	23.9°C	Slightly cloudy
533	11 gal	7.15	6.47 mS/cm	24.0°C	Slightly cloudy
	gal				
	gal				

Sample Appearance: Slightly cloudy

Sample Collection - Time Start: 534 Time Finished: 539

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-130

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 91°F

Well Information:

Total Well Depth: 49.70 feet Time: 539

Depth to Water: 19.28 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 30.42 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 4.86 gal. * Purge Factor 3 = Purge Volume 15 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
540	----	----	----	----	
544	5 gal	7.27	6.92 mS/cm	23.5 °C	clear
547	10 gal	7.27	6.99 mS/cm	23.7 °C	clear
551	15 gal	7.25	6.87 mS/cm	23.5 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 552 Time Finished: 552

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-131

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 97°F

Well Information:

Total Well Depth: 39.40 feet Time: 557

Depth to Water: 11.32 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 28.08 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 4.49 gal. * Purge Factor 3 = Purge Volume 13 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
558	----	----	----	----	
601	5 gal	7.21	10.92 mS/cm	24.6°C	cloudy
604	9 gal	7.15	11.30 mS/cm	25.1°C	slightly cloudy
607	13 gal	7.12	11.09 mS/cm	24.8°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 608 Time Finished: 608

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-132

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ⊗ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 98°F

Well Information:

Total Well Depth: 39.70 feet Time: 612

Depth to Water: 10.02 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
29.68 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in.)	= 4.74 gal.	* 3	= 14 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
614	-----	-----	-----	-----	
618	5 gal	7.15	10.91 mS/cm	25.0 °C	slightly cloudy
621	10 gal	7.12	10.91 mS/cm	25.1 °C	Very slightly cloudy
623	14 gal	7.12	10.89 mS/cm	25.0 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 624 Time Finished: 624

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-54

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Clear warm

Well Information:

Total Well Depth: 37.60 feet Time: 641

Depth to Water: 18.39 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 16.21 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.59 gal. * 3 = 8 gal

Well Volume (WV)	Purge Factor	Purge Volume
2.59 gal.	3	8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:44	----	----	----	----	
6:47	3 gal	7.40	5.15 mS/cm	25.5 °C	cloudy
6:49	6 gal	7.33	5.96 mS/cm	25.6 °C	cloudy
6:51	8 gal	7.33	5.74 mS/cm	25.7 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 652 Time Finished: 652

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 33.23 feet Time: 7:14

Depth to Water: 23.62 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 9.61 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.53 gal. * Purge Factor: 3 = Purge Volume: 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
7:16	---	---	---	---	
7:18	2 gal	7.50	7.58 mS/cm	25.3°C	clear
7:20	4 gal	7.44	7.54 mS/cm	25.1°C	clear
7:21	5 gal	7.44	7.51 mS/cm	25.3°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 723 Time Finished: 723

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

TOTAL BOTTLES: 2

Comments: Dup sample taken here MS-3

Water Sampling Field Log

Well No.: PC-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non-Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 96°F

Well Information:

Total Well Depth: 39.54 feet Time: 7:27

Depth to Water: 27.94 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 11.6 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.85 gal. * 3 = 6 gal

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
7:28	----	----	----	----	
7:30	2 gal	7.49	6.97 mS/cm	25.7°C	slightly cloudy
7:32	4 gal	7.46	6.97 mS/cm	25.3°C	clear
7:34	6 gal	7.48	6.94 mS/cm	25.3°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:35 Time Finished: 7:35

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-73

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 97°F

Well Information:

Total Well Depth: 49.44 feet Time: 7:40

Depth to Water: 30.34 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 19.1 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 3.05 gal. * Purge Factor: 3 = Purge Volume: 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
7:41	----	----	----	----	
7:45	3 gal	7.43	6.54 mS/cm	25.1 °C	clear
7:50	6 gal	7.06	7.10 mS/cm	25.9 °C	clear
7:53	9 gal	7.41	6.90 mS/cm	25.0 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:54 Time Finished: 7:54

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: (2 Bottles 3 Bottles

TOTAL BOTTLES: 5

Comments:

Water Sampling Field Log

Well No.: PC-3M

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ⊗ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 97°F overcast

Well Information:

Total Well Depth: 43.08 feet Time: 800

Depth to Water: 26.09 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 16.99 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.71 gal. * Purge Factor 3 = Purge Volume 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
801	---	---	---	---	
806	3 gal	7.47	7.67 mS/cm	25.6 °C	clear
809	6 gal	7.45	7.52 mS/cm	25.6 °C	clear
812	8 gal	7.44	7.60 mS/cm	25.7 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 814 Time Finished: 814

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-23

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 94° F

Well Information:

Total Well Depth: 44.47 feet Time: 8:23

Depth to Water: 28.51 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 15.96 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.55 gal. * Purge Factor 3 = Purge Volume 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
824	-----	-----	-----	-----	
828	3 gal	7.42	5.31 mS/cm	25.1 °C	Clear
830	6 gal	7.37	5.26 mS/cm	25.2 °C	Clear
833	8 gal	7.36	5.29 mS/cm	25.4 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 834 Time Finished: 834

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: Dup sample taken here MO-4 2 btls

Water Sampling Field Log

Well No.: M-48

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 99° F muggy

Well Information:

Total Well Depth: 38.59 feet Time: 912

Depth to Water: 28.19 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Well Volume (WV) | Purge Factor | Purge Volume

Height of Water Column (L): 10.40 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in.) = 1.66 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
915	-----	-----	-----	-----	
917	2 gal	7.53	3.31 mS/cm	25.6°C	clear
919	4 gal	7.51	3.28 mS/cm	25.3°C	clear
920	5 gal	7.49	3.27 mS/cm	25.3°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 921 Time Finished: 921

Analyses / Bottles: (pH / CLO4 / CR / TDS) 2 Bottles; pH / CLO4 / CR6 / TDS / CR 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-96

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 96oF

Well Information:

Total Well Depth: 16.90 feet Time: 845

Depth to Water: 10.46 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 6.44 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.03 gal. * Purge Factor: 3 = Purge Volume: 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
846	-----	-----	-----	-----	
847	1 gal	7.52	7.50 mS/cm	26.5°C	muddy
848	2 gal	7.54	6.09 mS/cm	25.5°C	slightly cloudy
849	3 gal	7.54	6.02 mS/cm	25.3°C	clear
850	4 gal	7.54	6.12 mS/cm	25.2°C	clear
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 851 Time Finished: 851

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: _____

Comments: Removed bailer to read DTW

Water Sampling Field Log

Well No.: M-44

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: muggy. hot

Well Information:

Total Well Depth: 37.65 feet Time: 9:45

Depth to Water: 20.17 feet

Height of Water Column (L):	Well Diameter (circle one)			Well Volume (WV)	Purge Factor	Purge Volume
	2-in.	4-in.	6-in			
17.48 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 2.79 gal.	* 3	= 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
946	-----	-----	-----	-----	
949	3 gal	7.47	7.60 mS/cm	24.3 °C	clear
953	6 gal	7.42	7.63 mS/cm	24.4 °C	clear
958	8 gal	7.44	7.66 mS/cm	24.4 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1000 Time Finished: 1000

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: FB-1 taken here 1001 3 btls

Water Sampling Field Log

Well No.: MW-95

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: muggy - overcast

Well Information:

Total Well Depth: 30.00 feet Time: 1015

Depth to Water: 12.29 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 17.71 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 2.8 gal. * Purge Factor: 3 = Purge Volume: 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1018	----	----	----	----	
1021	3 gal	7.54	6.61 mS/cm	24.9°C	cloudy
1025	6 gal	7.53	6.66 mS/cm	24.8°C	very slightly cloudy
1029	9 gal	7.54	6.69 mS/cm	24.7°C	clear.
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1030 Time Finished: 1030

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: pump EC 6.69 mS/cm pump °C 24.6

Water Sampling Field Log

Well No.: MW-131

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: muggy, cloudy 88°F

Well Information:

Total Well Depth: 39.40 feet Time: 442

Depth to Water: 32.42 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 6.98 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.11 gal. * Purge Factor: 3 = Purge Volume: 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
4:44	-----	-----	-----	-----	
4:45	1 gal	7.42	4.42 mS/cm	25.4 °C	clear
4:47	2 gal	7.42	3.165 mS/cm	25.4 °C	clear
4:48	3 gal	7.39	4.18 mS/cm	24.9 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 449 Time Finished: 449

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-24

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: _____

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: muggy, cloudy 90°F

Well Information:

Total Well Depth: 38.00 feet Time: 4:56

Depth to Water: 29.62 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 8.38 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.34 gal. (Well Volume (WV)) * 3 (Purge Factor) = 4 gal (Purge Volume)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
459	-----	-----	-----	-----	
502	2 gal	7.17	7.22 mS/cm	25.5 °C	muddy
505	3 gal	~~7.08~~	8.04 mS/cm	25.6 °C	Cloudy
512	4 gal	7.18	8.35 mS/cm	25.7 °C	slightly cloudy yellow
516	5 gal	7.17	8.78 mS/cm	26.0 °C	Very slightly cloudy yellow
	gal				
	gal				

Sample Appearance: Very slightly cloudy yellow

Sample Collection - Time Start: 518 Time Finished: 518

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments: well purges dry

Water Sampling Field Log

Well No.: M-65

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: _____

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 91°F

Well Information:

Total Well Depth: 40.00 feet Time: 5:25

Depth to Water: 33.05 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)		Purge Factor		Purge Volume
6.95 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.11 gal.	*	3	=	3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
527	-----	-----	-----	-----	
528	1 gal	6.87	14.08 mS/cm	26.1 °C	yellow
530	2 gal	6.82	15.37 mS/cm	25.0 °C	yellow
533	3 gal	6.83	15.81 mS/cm	24.8 °C	yellow
536	4 gal	6.83	15.86 mS/cm	24.7 °C	yellow
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 537 Time Finished: 537

Analyses: pH / CLO4 / CR / TDS / pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles / 3 Bottles

Dup sample taken here TOTAL BOTTLES: 2

Comments: MD-5 2 btls

Water Sampling Field Log

Well No.: M-16

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 91° F

Well Information:

Total Well Depth: 43.00 feet Time: 544

Depth to Water: 31.42 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
11.58 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 1.85 gal.	* 3	= 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
546	-----	-----	-----	-----	
549	2 gal	6.77	16.05 mS/cm	24.2 °C	yellow
553	4 gal	6.74	16.14 mS/cm	24.5 °C	yellow
556	6 gal	6.71	16.12 mS/cm	24.1 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 557 Time Finished: 557

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-79

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 91°F partly cloudy

Well Information:

Total Well Depth: 37.60 feet Time: 602

Depth to Water: 23.45 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 14.15 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 2.26 gal. * Purge Factor 3 = Purge Volume 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
604	-----	-----	-----	-----	
608	3 gal	7.61	1.84 mS/cm	22.0 °C	clear
610	5 gal	7.56	1.66 mS/cm	21.7 °C	clear
611	7 gal	7.52	1.63 mS/cm	21.6 °C	clear
612	8 gal	7.51	1.59 mS/cm	21.6 °C	clear
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 613 Time Finished: 613

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-69

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 92°F partly cloudy

Well Information:

Total Well Depth: 40.00 feet Time: 618

Depth to Water: 29.32 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 10.68 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.70 gal. * Purge Factor: 3 = Purge Volume: 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
620	----	----	----	----	
623	2 gal	7.06	5.99 mS/cm	24.5 °C	clear
625	4 gal	7.05	6.00 mS/cm	24.5 °C	clear
627	5 gal	7.02	5.99 mS/cm	24.6 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 628 Time Finished: 628

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-135

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 92° F humid, partly cloudy

Well Information:

Total Well Depth: 39.00 feet Time: 632

Depth to Water: 32.17 feet

Height of Water Column (L): 6.83 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in) = 1.09 gal. * 3 = 3 gal

Well Diameter (circle one)

Well Volume (WV)	Purge Factor	Purge Volume
1.09 gal.	3	3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
633	-----	-----	-----	-----	
634	1 gal	7.41	4.71 mS/cm	25.0 °C	clear
636	2 gal	7.34	4.71 mS/cm	24.8 °C	clear
638	3 gal	7.33	4.68 mS/cm	24.5 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 639 Time Finished: 639

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-99

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 94°F

Well Information:

Total Well Depth: 36.50 feet Time: 6:45

Depth to Water: 31.92 feet

Well Diameter (circle one): 2-in. (4-in. 6-in)

Height of Water Column (L): 4.58 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .73 gal. (Well Volume (WV)) * 3 (Purge Factor) = 2 gal (Purge Volume)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
647	----	----	----	----	
648	1 gal	7.19	4.95 mS/cm	24.4 °C	clear
649	1.5 gal	7.13	5.33 mS/cm	24.0 °C	clear
650	2 gal	7.14	5.44 mS/cm	23.7 °C	clear
651	2.5 gal	7.14	5.54 mS/cm	23.4 °C	clear
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 651 Time Finished: 651

Analyses: pH / CLO4 / CR / TDS / pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles / 3 Bottles

Comments: RB to get DTW

TOTAL BOTTLES: 2

Water Sampling Field Log

Well No.: M-98

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 94o F

Well Information:

Total Well Depth: 33.40 feet Time: 6:59

Depth to Water: 33.38 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): .02 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
----	----	----	----	----	
	gal				
	gal		DRY		
	gal		NO SAMPLE		
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments: removed bailer to get DTW

Water Sampling Field Log

Well No.: M-5MA

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 98°F

Well Information:

Total Well Depth: 42.40 feet Time: 8:36

Depth to Water: 29.95 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 12.45 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.99 gal. * Purge Factor 3 = Purge Volume 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
837	-----	-----	-----	-----	
839	2 gal	7.42	4.22 mS/cm	26.3 °C	clear
842	4 gal	7.40	4.33 mS/cm	25.8 °C	slightly cloudy
849 (MS)	6 gal	7.39	4.35 mS/cm	25.5 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 845 Time Finished: 845

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-25

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ⊛ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 99°F humid, hot

Well Information:

Total Well Depth: 41.47 feet Time: 852

Depth to Water: 33.64 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 7.83 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.25 gal. * Purge Factor 3 = Purge Volume 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
854	----	----	----	----	
856	2 gal	6.87	10.64 mS/cm	26.7 °C	yellow
858	3 gal	6.91	10.53 mS/cm	26.0 °C	yellow
901	4 gal	6.96	10.91 mS/cm	25.9 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 903 Time Finished: 903

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 99°F

Well Information:

Total Well Depth: 37.18 feet Time: 911

Depth to Water: 32.55 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
4.63 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= .74 gal.	* 3	= 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
912	-----	-----	-----	-----	
916	1 gal	6.70	7.46 mS/cm	28.6 °C	clear
920	1.5 gal	6.67	8.53 mS/cm	28.3 °C	clear
925	2 gal	6.70	8.55 mS/cm	27.7 °C	clear
930	2.5 gal	6.80	8.46 mS/cm	27.8 °C	clear
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 930 Time Finished: 930

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

Comments: Equipment Blank taken here EB-1 3 btls

TOTAL BOTTLES: 3

Dup EC reading TEMP 27.9 °C EC 8.57 mS/cm

Well purged dry

Water Sampling Field Log

Well No.: M-92

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 92°F

Well Information:

Total Well Depth: 48.50 feet Time: 341

Depth to Water: 37.25 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 11.25 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.8 gal. * Purge Factor 3 = Purge Volume 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
343	----	-----	-----	-----	
347	2 gal	7.37	259mS/cm	24.0°C	cloudy
350	4 gal	7.52	255mS/cm	23.8°C	slightly cloudy
354	5 gal	7.52	2.16mS/cm	24.1°C	Very slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: Very slightly cloudy

Sample Collection - Time Start: 355 Time Finished: 355

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: MW-97

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 92°F

Well Information:

Total Well Depth: 52.50 feet Time: 359

Depth to Water: 40.41 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 12.09 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.93 gal. (Well Volume (WV)) * 3 (Purge Factor) = 6 gal (Purge Volume)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
401	----	----	----	----	
405	2 gal	7.20	4.74 mS/cm	24.1 °C	clear
410	4 gal	7.21	4.72 mS/cm	24.2 °C	clear
415	6 gal	7.21	4.71 mS/cm	24.1 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 417 Time Finished: 417

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

39.74

Water Sampling Field Log

Well No.: M-93

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 49.00 feet Time: 405

Depth to Water: 36.34 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Well Volume (WV)	Purge Factor	Purge Volume

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	----	-----	
_____	gal	_____	_____	_____	
_____	gal	_____	DTW ONLY		
_____	gal	_____	_____	_____	
_____	gal	_____	NO SAMPLE		
_____	gal	_____	_____	_____	
_____	gal	_____	_____	_____	

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-31A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 90°F humid

Well Information:

Total Well Depth: 55.00 feet Time: 441

Depth to Water: 45.39 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 9.61 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.53 gal. * Purge Factor: 3 = Purge Volume: 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
450	----	----	----	----	
456	2 gal	6.99	9.41 ms/cm	24.2°C	light yellow
501	4 gal	7.03	8.90 ms/cm	24.1°C	light yellow
504	5 gal	7.02	9.32 ms/cm	24.3°C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 505 Time Finished: 505

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-50

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 91°F

Well Information:

Total Well Depth: 62.15 feet Time: 510

Depth to Water: 46.32 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 15.83 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 2.53 gal. * Purge Factor: 3 = Purge Volume: 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
513	----	----	----	----	
520	3 gal	7.01	1526 mS/cm	23.2 °C	yellow
526	6 gal	7.05	15.64 mS/cm	22.8 °C	yellow
531	8 gal	7.01	15.41 mS/cm	22.7 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 533 Time Finished: 533

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-34

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 92°F

Well Information:

Total Well Depth: 41.83 feet Time: 539

Depth to Water: 37.38 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 4.45 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .71 gal. * Purge Factor 3 = Purge Volume 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
540	----	----	----	----	
542	1 gal	7.02	10.58 mS/cm	24.4 °C	light yellow
543	1.5 gal	6.97	10.83 mS/cm	24.2 °C	light yellow
545	2 gal	6.95	10.78 mS/cm	23.9 °C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 546 Time Finished: 546

Analyses: pH / CLO4 / CR / TDS / pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles / 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-35

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 92°F humid

Well Information:

Total Well Depth: 42.33 feet Time: 549

Depth to Water: 35.18 feet

Height of Water Column (L): 7.15 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.14 gal. * 3 = 3 gal

Well Diameter (circle one): 2-in. 4-in. 6-in

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
552	----	----	----	----	
554	1 gal	7.18	4.92 mS/cm	25.8 °C	light yellow
557	2 gal	7.07	6.30 mS/cm	26.1 °C	light yellow
559	3 gal	7.07	6.48 mS/cm	25.9 °C	light yellow
602	4 gal	7.07	6.61 mS/cm	26.1 °C	light yellow
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 604 Time Finished: 604

Analyses: pH / CLO4 / CR / TDS / pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles / 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: MW-19

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 92°F partly cloudy

Well Information:

Total Well Depth: 41.20 feet Time: 6:08

Depth to Water: 34.62 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 6.58 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.05 gal. * Purge Factor: 3 = Purge Volume: 3gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:09	----	----	----	----	
6:10	1 gal	7.28	3.69 mS/cm	23.2 °C	clear
6:12	2 gal	7.14	5.16 mS/cm	22.8 °C	clear
6:13	3 gal	7.16	5.83 mS/cm	22.7 °C	clear
6:14	4 gal	7.17	6.06 mS/cm	22.7 °C	clear
6:16	5 gal	7.14	6.02 mS/cm	22.7 °C	clear
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:17 Time Finished: 6:17

Analyses: pH / CLO4 / CR7 TDS / pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles / 3 Bottles

TOTAL BOTTLES: 2

Comments: Removed Bailer to read DTW

Water Sampling Field Log

Well No.: M-39

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 42.60 feet Time: 623

Depth to Water: 32.08 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 10.52 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.68 gal. * Purge Factor: 3 = Purge Volume: 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
624	----	----	----	----	
626	2 gal	6.97	7.97 mS/cm	24.5 °C	light yellow tint
629	4 gal	6.91	8.10 mS/cm	24.8 °C	light yellow tint
630	5 gal	6.93	8.13 mS/cm	25.0 °C	light yellow tint.
	gal				
	gal				
	gal				

Sample Appearance: light yellow tint

Sample Collection - Time Start: 631 Time Finished: 631

Analyses / Bottles: pH / CLO4 / CR / TDS — 2 Bottles (circled) | pH / CLO4 / CR6 / TDS / CR — 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-68

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 41.00 feet Time: 6:37

Depth to Water: 26.93 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): ~~Total~~ 14.07 feet * ~~0.16 gal/ft~~ * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 2.25 gal. * Purge Factor 3 = Purge Volume 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:37	----	----	----	----	
6:41	3 gal	7.14	7.08 mS/cm	24.3 °C	clear
6:43	5 gal	7.13	6.96 mS/cm	24.5 °C	clear
6:45	7 gal	7.06	8.90 mS/cm	24.6 °C	clear
6:46	8 gal	7.15	7.32 mS/cm	24.4 °C	clear
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:47 Time Finished: 6:49

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-61

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 41.00 feet Time: 653

Depth to Water: 24.91 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 16.09 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 2.57 gal. * Purge Factor 3 = Purge Volume 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
654	----	----	----	----	
658	3 gal	7.12	6.53 mS/cm	25.1 °C	clear
700	6 gal	7.10	6.59 mS/cm	24.9 °C	clear
702	8 gal	7.08	6.58 mS/cm	24.7 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 702 Time Finished: 702

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: Equipment Blank taken here 705

EB-2 3 btls

Water Sampling Field Log

Well No.: M-16M

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 380.00 feet Time: 711

Depth to Water: 222.33 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 157.67 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 25 gal. * Purge Factor: 3 = Purge Volume: 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
M12	-----	-----	-----	-----	
M18	3 gal	6.91	8.52 mS/cm	24.9 °C	light yellow
M20	6 gal	6.89	8.59 mS/cm	25.0 °C	light yellow
M23	8 gal	6.90	8.60 mS/cm	25.0 °C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: M24 Time Finished: M24

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-74

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: 95°F

Well Information:

Total Well Depth: 39.00 feet Time: 1:39

Depth to Water: 29.82 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 9.18 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.46 gal. * Purge Factor 3 = Purge Volume 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
140	-----	-----	-----	-----	
143	2 gal	7.23	7.34 mS/cm	24.7 °C	Clear
144	3 gal	7.16	7.38 mS/cm	24.9 °C	Clear
145	4 gal	7.15	7.48 mS/cm	25.1 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 146 Time Finished: 146

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-73

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 36.00 feet Time: 752

Depth to Water: 29.34 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 6.66 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.06 gal. * Purge Factor 3 = Purge Volume 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
757	-----	----	-----	----	
756	1 gal	7.14	5.75 mS/cm	25.8 °C	Very slightly cloudy
803	2 gal	7.25	5.68 mS/cm	27.4 °C	Slightly cloudy
808	3 gal	7.23	5.62 mS/cm	27.3 °C	Slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: Slightly Cloudy

Sample Collection - Time Start: 810 Time Finished: 810

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: well purges dry

Water Sampling Field Log

Well No.: M-18

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 29.80 feet Time: 7:48

Depth to Water: 29.92 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	----	------	-----	
_____	gal	_____	_____	_____	_____
_____	gal	_____	DTW only NO SAMPLE		
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

Comments: removed bailer to read DTW

TOTAL BOTTLES: _____

Water Sampling Field Log

Well No.: M-88

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 39.00 feet Time: 813

Depth to Water: 32.14 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 6.88 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.09 gal. * Purge Factor: 3 = Purge Volume: 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
814	-----	----	-----	-----	
815	1 gal	7.21	8.07 mS/cm	25.9 °C	Clear
817	2 gal	7.13	8.08 mS/cm	25.7 °C	Clear
818	3 gal	7.13	8.26 mS/cm	25.7 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 819 Time Finished: 819

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-80

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 43.70 feet Time: 8:25

Depth to Water: 25.15 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 18.55 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	____	-----	-----	
_____	gal	_____	_____	_____	
_____	gal	_____	DTW ONLY		
_____	gal	_____	_____	_____	
_____	gal	_____	_____	NO SAMPLE	
_____	gal	_____	_____	_____	
_____	gal	_____	_____	_____	

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-81A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 41.60 feet Time: 829

Depth to Water: 31.52 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Well Volume (WV)	Purge Factor	Purge Volume

Height of Water Column (L): 10.08 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	_____	_____	
_____	gal	_____	DTW ONLY		
_____	gal	_____	_____	_____	
_____	gal	_____	NO SAMPLE		
_____	gal	_____	_____	_____	
_____	gal	_____	_____	_____	

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-12A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 50.00 feet Time: 831

Depth to Water: 40.58 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 9.42 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.50 gal. * Purge Factor 3 = Purge Volume 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
835	-----	-----	-----	-----	
838	2 gal	7.57	9.94 mS/cm	25.9 °C	yellow
841	4 gal	7.53	9.83 mS/cm	25.4 °C	Yellow
843	5 gal	7.54	9.64 mS/cm	25.4 °C	Yellow
	gal				
	gal				
	gal				

Sample Appearance: Yellow

Sample Collection - Time Start: 844 Time Finished: 844

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" ●

Weather Conditions: 96°F hot, humid

Well Information:

Total Well Depth: 58.00 feet Time: 850

Depth to Water: 42.41 feet

Well Diameter (circle one): 2-in. 4-in. (6-in)

Height of Water Column (L): 15.59 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 22.91 gal. * Purge Factor 3 = Purge Volume 69 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
855	----	----	----	----	
905	23 gal	7.60	4.49 mS/cm	26.4 °C	light yellow
916	46 gal	7.58	4.53 mS/cm	27.1 °C	slight yellow tinge
927	69 gal	7.60	4.61 mS/cm	28.0 °C	slight yellow tinge
	gal				
	gal				
	gal				

Sample Appearance: slight yellow tinge

Sample Collection - Time Start: 930 Time Finished: 930

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

Comments: Duplicate sample collected here 3 btls

TOTAL BOTTLES: 3

Dup EC reading EC 4.52 Temp 29.1

Water Sampling Field Log

Well No.: M-87

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump © Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 89°F light breeze

Well Information:

Total Well Depth: 41.00 feet Time: 402

Depth to Water: 36.66 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 4.34 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .69 gal. * 3 = 2 gal

Well Volume (WV)	Purge Factor	Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
406	-----	----	----	-----	
409	1 gal	7.22	4.08 mS/cm	25.0 °C	Slightly cloudy
410	1.5 gal	7.26	4.01 mS/cm	24.7 °C	clear
413	2 gal	7.22	4.04 mS/cm	24.8 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 415 Time Finished: 415

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

pH / CLO4 / CR6 / TDS / CR
3 Bottles

TOTAL BOTTLES: 2

Comments: well purges dry - last to recharge

Water Sampling Field Log

Well No.: M-102

Project No.: ____________ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 90°F light breeze

Well Information:

Total Well Depth: 43.50 feet Time: 423

Depth to Water: 43.31 feet

Height of Water Column (L):	Well Diameter (circle one) 2-in. (circled)	4-in.	6-in		Well Volume (WV)		Purge Factor		Purge Volume
.19 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	=	gal.	*	3	=	

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
	-----	-----	-----	-----	
	gal				
	gal		NO SAMPLE		
	gal		WELL DRY		
	gal				
	gal				
	gal				

Sample Appearance: ____________

Sample Collection - Time Start: ________ Time Finished: ________

Analyses:	pH / CLO4 / CR / TDS (circled)	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments: removed bailer to read DTW. Tried using bailer w/ longer line to extract water. No water in well

Water Sampling Field Log

Well No.: M-101

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 90 °F

Well Information:

Total Well Depth: 31.20 feet Time: 427

Depth to Water: _____ feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV)	Purge Factor	Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	----	----	----	----	
_____	gal	_____	_____	_____	
_____	gal	_____	_____	_____	NO SAMPLE
_____	gal	_____	_____	_____	WELL Sample
_____	gal	_____	_____	_____	
_____	gal	_____	_____	_____	
_____	gal	_____	_____	_____	

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

Comments: Disengaged Bailer cap from well casing Was previously jammed Left cap off. Removed bailer to try & get static to get reading

TOTAL BOTTLES: 2

Water Sampling Field Log

Well No.: M-86

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 43.00 feet Time: _____

Depth to Water: _____ feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV)	Purge Factor	Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	DESTROYED	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	NO SAMPLE	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-85

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: _____

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 38.87 feet Time: _____

Depth to Water: _____ feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): _____ feet * ~~0.16 gal/ft~~ * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	Destroyed		_____
_____	_____ gal	_____	_____	NO SAMPLE.	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-83

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 42.50 feet Time: 4:55

Depth to Water: 19.29 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 23.21 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
____	----	----	----	----	
____	gal	____	____	____	
____	gal	____	Bailer stuck in		
____	gal	____	well. NO SAMPLE		
____	gal	____	____	____	
____	gal	____	____	____	DTW ONLY
____	gal	____	____	____	

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-70

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ⊘ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 94° F

Well Information:

Total Well Depth: 41.00 feet Time: 503

Depth to Water: 22.71 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Well Volume (WV) | Purge Factor | Purge Volume

Height of Water Column (L): 18.29 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.92 gal. * 3 = 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
505	-----	-----	-----	-----	
508	3 gal	7.39	3.65 mS/cm	23.6 °C	clear
510	6 gal	7.38	3.64 mS/cm	24.1 °C	clear
513	9 gal	7.39	3.49 mS/cm	24.0 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 515 Time Finished: 515

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: MW-71

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 43.00 feet Time: 518

Depth to Water: 28.34 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 14.66 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 2.34 gal. * Purge Factor: 3 = Purge Volume: 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
520	----	----	----	----	
524	3 gal	6.85	7.85 mS/cm	24.4 °C	Clear
527	5 gal	6.82	7.77 mS/cm	24.5 °C	Clear
529	7 gal	6.81	7.72 mS/cm	24.5 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 530 Time Finished: 530

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 36.00 feet Time: 5:35

Depth to Water: 30.97 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 5.03 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .80 gal. * Well Volume (WV) 3 Purge Factor = 2 gal Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
536	----	----	----	----	
539	1 gal	6.93	8.65 mS/cm	25.7 °C	light yellow tint
542	1.5 gal	6.92	8.57 mS/cm	25.7 °C	light yellow tint
541	2. gal	6.95	8.52 mS/cm	25.8 °C	same
	gal				
	gal				
	gal				

Sample Appearance: light yellow tint

Sample Collection - Time Start: 550 Time Finished: 550

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments: well recharges dry recharges fairly quickly

Water Sampling Field Log

Well No.: MW-22A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 96°F

Well Information:

Total Well Depth: 36.92 feet Time: 554

Depth to Water: 30.67 feet

Height of Water Column (L): 6.25 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1 gal. (Well Volume (WV)) * 3 (Purge Factor) = 3 gal (Purge Volume)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
555	-----	----	----	-----	
556	1 gal	6.89	13.41 mS/cm	25.6 °C	yellow
557	2 gal	6.87	15.18 mS/cm	25.2 °C	yellow
558	3 gal	6.86	15.64 mS/cm	24.8 °C	yellow
600	4 gal	6.86	15.57 mS/cm	24.6 °C	yellow
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 601 Time Finished: 601

Analyses: pH / CLO4 / CR / TDS / pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles / 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-38

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer ◉ Ready Flo 2" O

Weather Conditions: 96°F

Well Information:

Total Well Depth: 36.82 feet Time: 609

Depth to Water: 31.37 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 5.45 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .87 gal. * 3 = 3 gal

Well Volume (WV)	Purge Factor	Purge Volume
.87 gal.	* 3	= 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
610	-----	-----	-----	-----	
612	1 gal	6.95	14.46 mS/cm	23.5°C	yellow
614	2 gal	6.91	14.21 mS/cm	23.6°C	yellow
616	3 gal	6.93	14.56 mS/cm	23.9°C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 618 Time Finished: 618

Analyses / Bottles: pH / CLO4 / CR / TDS — 2 Bottles (circled) | pH / CLO4 / CR6 / TDS / CR — 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-89

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 97 OF

Well Information:

Total Well Depth: 39.00 feet Time: 637

Depth to Water: 33.57 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 5.43 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .86 gal. (Well Volume (WV)) * 3 (Purge Factor) = 3 gal (Purge Volume)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
639	----	----	----	----	
641	1 gal	6.92	12.67 mS/cm	24.2 °C	yellow
642	2 gal	6.84	12.88 mS/cm	24.0 °C	yellow
643	3 gal	6.82	13.38 mS/cm	24.2 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 645 Time Finished: 645

Analyses: pH / CLO4 / CR / TDS / pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles / 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-17A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 93°F

Well Information:

Total Well Depth: 45.00 feet Time: 651

Depth to Water: 33.10 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 11.9 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.90 gal. * Purge Factor: 3 = Purge Volume: 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
652	----	----	----	----	
654	2 gal	7.05	13.31 ms/cm	24.5°C	cloudy yellow
656	4 gal	7.01	14.42 ms/cm	23.8°C	clear yellow
659	6 gal	7.01	14.36 ms/cm	23.9°C	clear yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 700 Time Finished: 700

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-115

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 94°F

Well Information:

Total Well Depth: 41.40 feet Time: 710

Depth to Water: 38.35 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 9.05 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.44 gal. * Purge Factor 3 = Purge Volume 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
711	----	----	----	----	
714	2 gal	7.48	3.76 mS/cm	25.0 °C	clear
716	3 gal	7.45	3.81 mS/cm	24.9 °C	clear
719	4 gal	7.47	3.82 mS/cm	24.9 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 720 Time Finished: 720

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-14A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 42.40 feet Time: 1127

Depth to Water: 33.32 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 9.08 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.45 gal. * Purge Factor 3 = Purge Volume 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1128	-----	-----	-----	-----	
1130	2 gal	7.36	4.20 ms/cm	25.5 °C	cloudy
1132	3 gal	7.35	4.29 ms/cm	25.2 °C	cloudy
1133	4 gal	7.34	4.24 ms/cm	25.2 °C	slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1135 Time Finished: 1135

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-100

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer ● Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 95°F

Well Information:

Total Well Depth: 32.80 feet Time: 745

Depth to Water: 30.77 feet

Height of Water Column (L): 1.23 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Diameter (circle one): 2-in. 4-in. 6-in

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
	---	---	---	---	
	gal	7.35	2.56 mS/cm	22.9°C	Slightly cloudy
	gal				
	gal				
	gal		Did Not purge due to		
	gal		amount of water in casing		
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 746 Time Finished: 746

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 3

Comments: removed bailer to get DTW reading

Water Sampling Field Log

Well No.: M-84

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 316.60 feet Time: 752

Depth to Water: 22.19 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 14.41 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 2.30 gal. * Purge Factor 3 = Purge Volume 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
754	----	----	----	----	
758	3 gal	7.56	1.53 mS/cm	22.5°C	clear
800	5 gal	7.48	1.56 mS/cm	22.1°C	clear
803	7 gal	7.50	1.59 mS/cm	22.0°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 805 Time Finished: 805

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

Comments: Duplicate sample taken here TOTAL BOTTLES: 3

MD-2

3 bttls

Water Sampling Field Log

Well No.: M-36

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer ◉ Ready Flo 2" O

Weather Conditions: 96°F

Well Information:

Total Well Depth: 37.85 feet Time: 812

Depth to Water: 32.56 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 5.29 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .84 gal. (Well Volume (WV)) * 3 (Purge Factor) = 3 gal (Purge Volume)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
814	-----	-----	-----	-----	
816	1 gal	6.91	16.06 mS/cm	24.3 °C	Yellow
819	2 gal	6.87	16.14 mS/cm	24.3 °C	Yellow
822	3 gal	6.87	16.13 mS/cm	24.5 °C	Yellow
	gal				
	gal				
	gal				

Sample Appearance: Yellow

Sample Collection - Time Start: 823 Time Finished: 823

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: MW-10

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-7-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" ◉

Weather Conditions: _____

Well Information:

Total Well Depth: 69.45 feet Time: 835

Depth to Water: 47.45 feet

Well Diameter (circle one): 2-in. 4-in. (6-in)

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
22.0 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 32.34 gal.	* 3	= 97 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
836	-----	-----	-----	-----	
850	32 gal	6.77	4.09 mS/cm	24.8 °C	rusty colored
910	64 gal	6.74	4.00 mS/cm	25.0 °C	slight color
928	97 gal	6.85	3.93 mS/cm	25.1 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 930 Time Finished: 930

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

extra cooler collected here

TOTAL BOTTLES: 3

Comments: Dup EC reading 25.0 °C 3.96 mS/cm

Water Sampling Field Log

Well No.: I-AA

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer ○ Non Dedicated Bailer ○ Ready Flo 2" ○

Weather Conditions: _____

Well Information:

Total Well Depth: 46.00 feet Time: 3:10

Depth to Water: 32.49 feet

Well Diameter (circle one): 2-in. 4-in. (6-in)

Height of Water Column (L): 13.51 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 19.85 gal. * Purge Factor 3 = Purge Volume 60 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
3:11	-----	-----	-----	-----	
3:39	20 gal	7.44	4.68 mS/cm	25.2 °C	clear
4:07	40 gal	7.37	4.83 mS/cm	24.8 °C	clear
4:31	60 gal	7.27	4.85 mS/cm	24.8 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 4:33 Time Finished: 4:33

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: I- O

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: warm, cloudy

Well Information:

Total Well Depth: 43.80 feet Time: 3:25

Depth to Water: 35.72 feet

Height of Water Column (L): 8.08 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
326	15.52 mS/cm	26.0 °C	6.83	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 327 Time Finished: 327

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-W

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, cloudy

Well Information:

Total Well Depth: 52.88 feet Time: 328

Depth to Water: 30.81 feet

Height of Water Column (L): 22.07 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
_____	_____	DTW ONLY NO SAMPLE		

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- P

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm cloudy

Well Information:

Total Well Depth: 47.80 feet Time: 317

Depth to Water: 42.91 feet

Height of Water Column (L): 4.89 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
318	15.54 mS/cm	26.5°C	6.57	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 319 Time Finished: 319

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-H

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm Cloudy

Well Information:

Total Well Depth: 46.50 feet Time: 321

Depth to Water: 44.04 feet

Height of Water Column (L): 2.46 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
3:21	16.19 ms/cm	26.9°C	6.55	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 322 Time Finished: 322

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- 11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm Cloudy

Well Information:

Total Well Depth: 47.60 feet Time: 328

Depth to Water: 45.0 feet

Height of Water Column (L): 2.60 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
328	16.68 ms/cm	27.0 °C	6.35	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 329 Time Finished: 329

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- T

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: warm cloudy

Well Information:

Total Well Depth: 47.80 feet Time: 330

Depth to Water: 33.35 feet

Height of Water Column (L): 14.45 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
330	16.70 mS/cm	28.7°C	6.63	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 331 Time Finished: 331

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- G

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, Cloudy

Well Information:

Total Well Depth: 42.60 feet Time: 332

Depth to Water: 32.45 feet

Height of Water Column (L): 10.15 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
332	16.43mS/cm	29.8°C	6.75	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 333 Time Finished: 333

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- Q

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, Cloudy

Well Information:

Total Well Depth: 43.80 feet Time: 334

Depth to Water: 40.86 feet

Height of Water Column (L): 2.94 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
334	16.40 mS/cm	27.6 °C	6.70	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 336 Time Finished: 336

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- F

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm Cloudy

Well Information:

Total Well Depth: 4580 feet Time: 342

Depth to Water: 38.02 feet

Height of Water Column (L): 778 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
343	13.85 mS/cm	25.2 °C	6.79	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 344 Time Finished: 344

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- X

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: _____

Well Information:

Total Well Depth: 52.88 feet Time: 345

Depth to Water: 30.61 feet

Height of Water Column (L): 22.27 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
_____	_____	Depth to Water only		

Sample Appearance: No SAMPLE

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- N

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm) cloudy

Well Information:

Total Well Depth: 41.70 feet Time: 345

Depth to Water: 39.28 feet

Height of Water Column (L): 2.42 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
345	11.29 mS/cm	25.9 oc	6.69	yellow)

Sample Appearance: yellow)

Sample Collection - Time Start: 346 Time Finished: 346

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- E

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, Cloudy

Well Information:

Total Well Depth: 46.70 feet Time: 347

Depth to Water: 45.02 feet

Height of Water Column (L): 1.68 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
347	10.98mS/cm	26.3°C	6.71	Yellow

Sample Appearance: yellow

Sample Collection - Time Start: 348 Time Finished: 348

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- M

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Cloudy, Warm

Well Information:

Total Well Depth: 43.70 feet Time: 349

Depth to Water: 41.11 feet

Height of Water Column (L): 2.59 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
349	10.71 ms/cm	25.7°C	6.88	Light yellow

Sample Appearance: Light yellow

Sample Collection - Time Start: 350 Time Finished: 350

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- D

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, cloudy

Well Information:

Total Well Depth: 47.70 feet Time: 351

Depth to Water: 46.48 feet

Height of Water Column (L): 1.22 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
351	10.34 mS/cm	26.2 °C	6.96	light yellow

Sample Appearance: light yellow

Sample Collection - Time Start: 352 Time Finished: 352

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-C

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cloudy, warm

Well Information:

Total Well Depth: 43.80 feet Time: 354

Depth to Water: 40.62 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
354	9.15 ms/cm	85.5°	6.87	light yellow

Sample Appearance: light yellow

Sample Collection - Time Start: 355 Time Finished: 355

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-S

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Cloudy warm

Well Information:

Total Well Depth: 47.70 feet Time: 358

Depth to Water: 44.93 feet

Height of Water Column (L): 2.74 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
358	8.06 mS/cm	25.6 °C	7.10	Clear

Sample Appearance: clear

Sample Collection - Time Start: 359 Time Finished: 359

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- L

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Cloudy muggy

Well Information:

Total Well Depth: 43.40 feet Time: 401

Depth to Water: 40.32 feet

Height of Water Column (L): 3.08 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
401	8.12 mS/cm	26.1 °C	6.91	Clear

Sample Appearance: Clear

Sample Collection - Time Start: 402 Time Finished: 402

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-Y

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: _____

Well Information:

Total Well Depth: 53.01 feet Time: 402

Depth to Water: 30.31 feet

Height of Water Column (L): 22.70 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
	DTW only NO SAMPLE			

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- R

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: muggy, cloudy

Well Information:

Total Well Depth: 45.30 feet Time: 403

Depth to Water: 41.58 feet

Height of Water Column (L): 3.72 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
403	8.30 mS/cm	25.9 °C	7.06	clear

Sample Appearance: clear

Sample Collection - Time Start: 404 Time Finished: 404

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-B

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Cloudy muggy

Well Information:

Total Well Depth: 45.70 feet Time: 405

Depth to Water: 43.67 feet

Height of Water Column (L): 2.03 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
405	6.26 ms/cm	22.1 °C	7.08	clear

Sample Appearance: clear

Sample Collection - Time Start: 407 Time Finished: 407

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- AR

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: warm, cloudy

Well Information:

Total Well Depth: 45.00 feet Time: 411

Depth to Water: 43.44 feet

Height of Water Column (L): 1.56 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
411	8.94 mS/cm	26.5°C	6.81	clear

Sample Appearance: Clear

Sample Collection - Time Start: 412 Time Finished: 412

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- V

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 95°F

Well Information:

Total Well Depth: 47.70 feet Time: 725

Depth to Water: 33.68 feet

Height of Water Column (L): 14.02 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
725	13.62 mS/cm	25.5 °C	6.92	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 726 Time Finished: 726

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- K

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 95° F

Well Information:

Total Well Depth: 31.70 (wrong PWD) feet Time: 1640

Depth to Water: 34.74 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
1641	6.96mS/cm	24.6 °C	7.32	clear

Sample Appearance: Clear

Sample Collection - Time Start: 1642 Time Finished: 1642

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-J

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 95°F

Well Information:

Total Well Depth: 44.50 feet Time: 1650

Depth to Water: 33.08 feet

Height of Water Column (L): 11.42 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
1650	7.39 mS/cm	25.1 °C	7.25	light yellow

Sample Appearance: light yellow

Sample Collection - Time Start: 1651 Time Finished: 1651

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- Z

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 95°F

Well Information:

Total Well Depth: 37.00 feet Time: 706

Depth to Water: 30.92 feet

Height of Water Column (L): 6.08 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
706	9.95 mS/cm	25.3 °C	7.00	light yellow

Sample Appearance: light yellow

Sample Collection - Time Start: 707 Time Finished: 707

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- I

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-6-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 95°F

Well Information:

Total Well Depth: 44.20 feet Time: 727

Depth to Water: 25.07 feet

Height of Water Column (L): 19.13 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
727	12.55 mS/cm	27.1 °C	~~27.1~~ mB 7.06	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 728 Time Finished: 728

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: M-5A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ● Dedicated bailer O Non Dedicated Bailer O

Weather Conditions: 97°F humid

Well Information:

Total Well Depth: 50.00 feet Time: 1450

Depth to Water: 36.74 feet

Well Diameter (circle one): 2-in. | 4-in. | 6-in

13.26 feet *0.16 gal/ft *0.65 gal/ft *1.47 gal/ft

Well Volume (WV)		Purge Factor		Purge Volume	
8.61	gal. *	3		26	gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1452	----	----	----	----	
809	9 gal	6.56	16.27 mS/cm	26.4 °C	clear
816	18 gal	6.70	16.09 mS/cm	25.9 °C	clear
825	26 gal	6.69	15.95 mS/cm	25.7 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 827 Time Finished: 827

Analyses:	TOC	TOX	Ph,EC	TDS	CLO4	CR
Bottles:	4 bottles	4 bottles	4 bottles	1 bottle	1 bottle	1 bottle

2

TOTAL BOTTLES- 15

Comments:

Water Sampling Field Log

Well No.: M-16A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ● Dedicated bailer O Non Dedicated Bailer O

Weather Conditions: 96°F humid

Well Information:

Total Well Depth: 46.00 feet Time: 7:31

Depth to Water: 38.94 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

7.06 feet *0.16 gal/ft *0.65 gal/ft *1.47 gal/ft

Well Volume (WV)	Purge Factor	Purge Volume
1.12 gal.	* 3	3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
732	-----	-----	-----	-----	
736	1 gal	7.04	10.08 mS/cm	25.6 °C	clear
739	2 gal	7.05	10.09 mS/cm	25.1 °C	clear
742	3 gal	7.03	10.10 mS/cm	25.4 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 745 Time Finished: 745

Analyses:	TOC	TOX	Ph,EC	TDS
Bottles:	4 bottles	4 bottles	4 bottles	1 bottle

2 MD

TOTAL BOTTLES- 13 MB

Comments:

Water Sampling Field Log

Well No.: M-MB

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-5-08

Sampling Method: Electric Pump ⊗ Dedicated bailer O Non Dedicated Bailer O

Weather Conditions: 96°F

Well Information:

Total Well Depth: 55.00 feet Time: 7:06

Depth to Water: 36.45 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

				Well Volume (WV)		Purge Factor		Purge Volume
18.55 feet	*0.16 gal/ft	*0.65 gal/ft	*1.47 gal/ft	2.96 gal.	*	3		9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
709	-----	-----	-----	-----	
712	3 gal	6.82	11.21 mS/cm	24.4 °C	clear
718	6 gal	6.90	11.26 mS/cm	24.7 °C	clear
724	9 gal	7.01	11.61 mS/cm	24.9 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 726 Time Finished: 726

Analyses:	TOC	TOX	Ph,EC	TDS
Bottles:	4 bottles	~~4~~ 2 bottles (MD)	4 bottles	1 bottle

TOTAL BOTTLES- 11 (MD)

Comments:

Water Sampling Field Log

Well No.: **H-28A**

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Russell Speckin Date: 8-13-08

Sampling Method: Electric Pump O Dedicated bailer O Non Dedicated Bailer O

Weather Conditions: 91°F

Well Information:

Total Well Depth: 51.00 feet Time: 901

Depth to Water: 39.23 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

		Well Volume (WV)		Purge Factor		Purge Volume
11.77 feet	*0.16 gal/ft *0.65 gal/ft *1.47 gal/ft	1.8 gal.	*	3		6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
9:04	----	----	----	----	
9:08	2 gal	6.68	11.65 mS/cm	26.8 °C	slightly cloudy
9:10	4 gal	6.74	11.48 mS/cm	26.3 °C	clear
9:12	6 gal	6.74	11.57 mS/cm	25.9 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 9:15 Time Finished: 9:15

Analyses:	TOC	TOX	Ph,EC	TDS	CLO4	CR
Bottles:	4 bottles	2 bottles	4 bottles	1 bottle	1 bottle	1 bottle

TOTAL BOTTLES- 13

Comments: Dup EC Reading

Temp	EC
25.9°C	11.40 mS/cm

VEOLIA
WATER

Fourth
Quarter Well Monitoring

Tronox LLC.
Henderson, Nevada

NOV. 3 – NOV. 7, 2008

VEOLIA
WATER

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VEOLIA
WATER

Letter of Transmittal

Attention: Susan Crowley
Environmental Specialist
Tronox LLC.
8000 W. Lake Mead Drive
Henderson, NV 89015

Date: Nov. 21, 2008

Project:

2008 4th Quarter Groundwater Monitoring

Enclosed:

1 copy of Field Data Letter Report

Remarks:
Susan,
The enclosed Quarterly Groundwater Monitoring Report with supporting documents is provided for your records.

Signature:

Jeff Lambeth, PM
VeoliaWaterNA

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-3521 / Fax 702-566-9030
www.Veoliawaterna.com

VEOLIA
WATER

Field Data Letter Report

1.0 INTRODUCTION

Tronox LLC. contracts with Veolia Water North America West LLC., (VWNA) to conduct groundwater sampling and analysis at their Chemical facility, located at 8000 West lake Mead Gate 1, in Henderson, Nevada. The work described herein represents the third quarter groundwater sampling event for 2007. The work was conducted in accordance with the Sampling and Analysis Work plan, submitted to Tronox January 9, 2004.

VWNA has four staff members trained to assist the quarterly well monitoring events. VWNA monitoring team meets twice prior to the sampling event to discuss all issues associated with this project and to review the status of action items noted in the first meeting. Sampling and laboratory equipment needs, time tables and well site schedules are reviewed. Sample coolers are checked to ensure that there are no missing bottles. New bottle orders were used which reflected changes associated with well monitoring activities.

1.1 SCOPE OF SAMPLING EVENT

This sampling effort included the following tasks:

- Soundings of the pumping water levels in 23 interceptor wells.
- Collection of groundwater samples from 24 interceptor wells.
- Soundings of the water levels in 3 Interceptor wells not pumping.
- Soundings of groundwater levels in 73 monitoring wells.
- Collection of groundwater samples from 64 monitoring wells.

Analysis of samples collected from the interceptor and monitoring wells, range from Perchlorate (CLO4), Total Chromium (Cr), Hexavalent Chromium (Cr+6), pH, Specific Conductance (EC), Total Dissolved Solids (TDS), Nitrate (NO3), Chlorate (CLO3) and NPDES list for well M-10, (Up Well). (CR-MS, MN-MS, CU-MS, MO-MS, FE, B, CL, F, TDS, NO3, NO2-N, N-INOR, NH3, NH3-DIST). Also sampled this quarter were the RCRA wells with the analysis of TOC, TOX Quad, pH, EC, TDS, CR, CLO4, CR.

Groundwater samples were shipped daily to Montgomery Watson (MW) for analysis, in Monrovia, California. MW is certified by the State of Nevada.
The scope of this assignment also included compiling the water level and analytical data presented in this report. Data are presented in tabular form.

2.0 FIELD ACTIVITIES

VWNA conducted the field activities associated with this quarterly sampling event between Monday November 3rd and Thursday, November 8th, 2008. Activities included the sounding of "pumping water" levels in the interceptor wells, sounding the "static water" level in the monitoring wells and sampling of both the interceptor and monitoring wells. Prior to each quarter, an inventory list is issued to Tronox LLC for review and comment. Sampling was conducted according to their specifications.

VWNA Project Manager Jeff Lambeth oversees the technical work conducted by project personnel and the quality assurance efforts. Michele Brown was responsible for sample collection and recording all pertinent data on sample bottles and supervised the groundwater sampling activities. She is responsible for executing all work elements related to the groundwater sampling program, including laboratory equipment maintenances and calibration, fieldwork, documenting field activities, maintaining field notes and photographs (when applicable), maintaining a record of onsite personnel and visitors, and providing the Operations Manager with information concerning implementation of the sampling plan. Thomas McDaniel was responsible for the Depth to Water reading, the collection of samples and properly labeling the bottles. Joe Espinoza was responsible for the purging of each well along with the cleansing of equipment.

VWNA maintained records of daily events and pertinent sampling data of each well on a field log sheet and addendum data in a bound log book. Log sheet entries included personnel onsite, weather conditions, water levels, activities conducted, sampling times, pH, EC, temperature and other significant field information.

2.1 Groundwater Level Soundings

VWNA sounded pumping water levels in 24 interceptor wells and 3 interceptor wells not online. In addition to the interceptor wells, static water levels of 74 monitoring wells were taken. There were five (5) monitoring well considered "DRY", M-18, M-32, M-98, M-102 and M-101. There were six (6) wells where only static water levels were required. The following are the 6 wells:

	M-80	M-81A	M-93
	I-X	I-Y	I-Z

Eight (8) wells had the bailers removed in order to sound and record DTW readings.

M-99	M-18	M-19	M-100
M-96	M-102	M-101	M-98

The water levels were sounded to the nearest 0.01 foot using an electronic well sounder.

2.2 Equipment Cleaning Procedures

During the sounding of water levels, the equipment was rinsed with de-ionized water before use at each well. Rinsing of the pump and hose with 3 to 4 gallons of deionized water using a dedicated DI water bucket was done after every well sampling. The rinse water was collected in a polyethylene container and transported to GW-11 for treatment.

3.0 GROUNDWATER SAMPLING

3.1 Sampling Locations

The following presents the identification of wells sampled.

3.1.1 Interceptor Wells

I-AR	I-B	I-C	I-D	I-E	I-F	I-H	I-I	I-J	I-K	I-L
I-M	I-N	I-O	I-P	I-Q	I-R	I-S	I-T	I-U	I-V	I-Z
I-G	I-AA									

3.1.2 Monitoring Wells

[redacted]	[redacted]	[redacted]	M-10	M-11	M-12A	M-14A	M-17A	M-19	M-22A
M-23	M-25	M-31A	M-34	M-35	M-36	M-37	M-38	M-39	M-44

M-48	M-50	M-57A	M-61	M-64	M-65	M-66	M-67	M-68	M-69
M-70	M-71	M-72	M-73	M-74	M-79	M-84	M-87	M-88	M-89

M-92	M-95	M-96	M-97	M-99	M-100	M-115	M-131	M-135	PC-123
PC-124	PC-125	PC-126	PC-127	PC-128	PC-129	PC-130	PC-131	PC-132	PC-37
PC-54	PC-71	PC-72	PC-73						
M-52	M-75	M-76							

4.0 SAMPLING TECHNIQUES

4.1 Interceptor Wells

The interceptor wells were sampled using dedicated sampling ports. At the beginning of sampling each well or line, personnel wore a new pair of clean nitrile or latex gloves.
The sampling port was opened to drain any stagnant water from piping and valves. This water is captured and containerized. All captured water is off-loaded at GW-11 for onsite treatment. Following the purging of the sample port, a "water quality" sample was collected for analysis of Perchlorate, Total Chromium, and TDS. VWNA also recorded the "*field*" temperature, pH, and conductivity as well as the pumping water level. The "*field*" parameters are provided in Table 1.

4.2 Monitoring Wells

Monitoring wells were purged before sampling to assure that each sample was collected from fresh formation water.

Fifty-nine (59) wells were purged and sampled, using the 12 volt submersible pump. Two (2) wells were purged with the "Ready Flo 2" with variable pump flow control. Two (2) wells, M-36 and M-38 were purged with a non dedicated bailer that was flushed with de-ionized water prior to each sampling. Two (2) wells, M-100 and M-99 were not purged but were sampled using a dedicated bailer. Hand bailing was done as a result of only needing to purge less than 3 gallons of water, if there was an insufficient amount of water in the well casing to use a pump or due to the location of the well.

Samples for both the interceptor and monitoring wells were collected in appropriate containers supplied by MWH Laboratories and analyzed for the specific required analysis of the well. The bottles were filled with minimal aeration, using laminar flow.

The samples were labeled, packaged, stored, and transported using the procedures outlined in the work plan for well samples. Clear tape may have been used on some bottles to maintain the information integrity of the labels. Where leaking acid removed the pre labeled information, it was hand restored.

4.3 Problems Encountered

Several wells have been destroyed due to the revamping of the GWTP Trench. The wells are as follows:.M-86, M-85 and M-83. Although M-83 has been damaged a DTW reading was obtained. M-101, M-100, M-99 and M-98 are now blocked off by the new fencing for the Haul Truck road constructed by BMI. Depth readings and samples were taken by walking to the wells. M-23 was blocked completely by turtle fencing or rock walls so no sample or depth to water reading was collected.

4.4 Equipment Cleaning Procedures

In addition to using much more water to flush and decontaminate the deionized water is changed each morning so the rinsing water is fresh. Non-dedicated sampling equipment was cleaned and decontaminated before use at each new sampling location. Conductivity meter probes and pH electrodes were thoroughly rinsed with de-ionized water after each reading at every well. The rinsate is captured in a special use bucket for decontamination.

5.0 QUALITY CONTROL

Quality control (QC) procedures implemented for this sampling event included collection and analysis of QC duplicate samples, equipment and field blanks. The analytical laboratory is also required to meet specific QA/QC requirements for surrogate recovery, MS/MSD recovery and RPDs, and LCS recoveries. Duplicate SC readings were conducted at one well each day to insure the accuracy of the Hanna field probe.

5.1 QC Duplicate Samples

QC duplicate samples were collected during the sampling event to evaluate the precision and accuracy of analytical data. The QC duplicates were collected, packaged, and transported in the same manner as the primary sample, but assigned a different identification number. Duplicate "field" EC monitoring was conducted each day on at least one well.

Four (4) duplicates were collected from the wells, representing at least 5 percent of the samples collected. The duplicate samples were collected from wells M-11, M-12A, PC-71, and PC-128. They were analyzed for the same parameters as the primary samples. MWH was not informed of the identity of these "blind" samples.

5.2 Equipment Blanks

Two equipment blanks, EB-1 and EB-2, were taken this quarter. The equipment blanks were collected on November 4th and November 5th. One set of three bottles for each day for a total of 6 bottles. This was done to evaluate the adequacy of cleaning procedures used by field personnel during this sampling event.

5.3 Field Blanks

One field blank sample (FB-1) was collected on November 3rd. One set of three bottles was sent to the laboratory for analysis to evaluate the integrity of the de-ionized water used to clean and purge the sampling equipment.

6.0 ANALYTICAL PROCEDURES

The following designates the parameter, analytical method and method reporting limits for groundwater. Some of the following analysis may not have been performed for this reporting period. VWNA lists all appropriate information to include analysis conducted throughout the entire year:

PARAMETER	ANALYTICAL METHOD	MRL

CLO4	EPA Method 314	4.0 µg/L
Total Chromium	EPA Method 200.7	0.01 mg/L
Hexavalent Chromium (Cr+6)	EPA Method 4500 CR-D	0.005 mg/L,
pH	EPA Method 150	.01 units
EC	EPA Method 2510	2 µohms/cm
TDS	EPA Method 2540C.	10 mg/L

MWH Laboratory QC analytical method and method reporting limits information, was taken from the MWH Laboratory Data Report.

PARAMETER	ANALYTICAL METHOD	MRL
Chloride	EPA Method 300	80.0 mg/L
Iron (ICAP)	EPA Method 200.7	0.005 mg/L
Manganese (ICAP/MS)	EPA Method 200.8	100 µg/L
Sodium (ICAP)	EPA Method 200.7	5 mg/L
Phenolic Compounds	EPA Method 420.1, 420.2	.010 mg/L
Sulfate	EPA Method 300	80 mg/L
Total Organic Carbon, TOC	EPA Method (ML/SM 5310C)	unknown
Total Organic Halogen, TOX	EPA Method (ML/9020 / SM5320)	unknown
Boron	EPA 200.7	.10 mg/L
Fluoride	SM4500F-C	.050 mg/L
Molybdenum	EPA 200.8	2.0 ug/L
Total Organic Nitrogen	EPA Method 300	0.200 mg/L
Ammonia Nitrogen	EPA Method 350	0.050 mg/L
Nitrate Nitrogen	EPA Method 300	2.0 mg/L
Copper	EPA Method 200.8	2.0 ug/L

Laboratory QA/QC procedures employed by MW are being provided directly to KMG.

6.1 Field Equipment Calibration

Prior to the start of each day's events, field laboratory equipment was calibrated. A Hanna HI 98130 water proof pH, EC/TDS and temperature field probe was calibrated and measurements recorded on daily laboratory calibration maintenance forms, which have been provided.

Duplicate EC readings were taken once per day of the sampling event to insure the precision of the probe. These results are found at the bottom of the calibration maintenance forms.

7.0 SUMMARY RESULTS

7.1 Groundwater Level Soundings

A summary of water level soundings collected for the interceptor and monitoring wells are presented in Table 1. A low number indicates a tall water column and a high number indicates a shallow water column.

Pumping water level in interceptors wells. (Measured in feet from below the top of casing.)

LOW	HIGH
46.61 (I-D)	24.75 (I-I)

Static water level monitoring wells. (Measured in feet from below the top of casing.)

LOW	HIGH
48.28 (M-10)	9.86 (PC-132)

7.2 Summary of Field Activities

7.2.1 Interceptor Wells

CLO4, Cr, pH and TDS	24 interceptor wells

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.2 Monitoring Wells

CLO4, Cr, Cr+6, pH, and TDS	9 monitoring wells
CLO4, Cr, pH and TDS	52 monitoring wells
TOC, TOX, pH/EC, TDS CLO4, CR	0 RCRA wells
TOC, TOX, pH/EC, TDS	0 RCRA wells

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.3 QC Duplicate Samples (Measured for the same analyses as the primary samples.)

M-11 and M-12A (Measured for CLO4, Total Cr., Hex Cr., pH and TDS)

PC-71 and PC-128 (Measured for Total Cr., pH, CLO4 and TDS)

7.2.4 Equipment Blanks

Three equipment blanks were analyzed for CLO4, Total Cr., Hex Cr., pH, and TDS.

7.2.5 Field Blank

One field blank was analyzed for CLO4, Total Cr., Hex Cr., pH and TDS.

Weather	Cool
Total # of wells sampled	88
Total water samples collected	95
Total Wells measured DTW only	7
Total Duplicate Samples (5%)	4
Total Equipment Blanks	2
Total Field Blanks	1
Total Wells hand bailed	2
Total Wells considered DRY	5
Total Wells not found	1
Total Wells out of service	0

VEOLIA
WATER

Table of Well Gauging Data

This Section Contains:

- Field Sign - In Log
- Daily Maintenance & Calibration Log
- Table 1 Well Inventory
- Chain-of-Custody & Bottle Order Forms

VEOLIA WATER NORTH AMERICA
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www.Veoliawaterna.com

VEOLIA
WATER

Field Sign In Log

DATE	TIME	COMPANY	PRINT NAME	SIGNATURE
11-3-08	500	VWNA	Michele Brown	Michele Brown
11-3-08	500	VWNA	Thomas McDaniel	Thomas McDaniel
11-3-08	5:00	VWNA	Joe Espinoza	Joe Espinoza
11-4-08	500	VWNA	Michele Brown	Michele Brown
11-4-08	5:00	VWNA	Joe Espinoza	Joe Espinoza
11-4-08	5:00	VWNA	Thomas McDaniel	Thomas McDaniel
11-5-08	5:00	VWNA	Thomas McDaniel	Thomas McDaniel
11-5-08	5:00	VWNA	Joe Espinoza	Joe Espinoza
11-5-08	500	VWNA	Michele Brown	Michele Brown
11-6-08	500	VWNA	Michele Brown	Michele Brown
11-6-08	500	VWNA	Thomas McDaniel	Thomas McDaniel
11-6-08	5:00	VWNA	Joe Espinoza	Joe Espinoza
11-7-08	5:00	VWNA	Michele Brown	Michele Brown
11-7-08	5:00	VWNA	Thomas McDaniel	Thomas McDaniel
11-7-08	5:00	VWNA	Joe Espinoza	Joe Espinoza

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD

DATE 11-3-08

HANNA FIELD PH METER

			Time/analyst
Known value	1) 7.0	1) 8.0	5:00 AM TM
CalibrationValue	2) 7.0	2) 7.8	
Buffer Temperature	3) 22.2°C	3) 23.0°C	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

		Time/analyst
Known Value	1) 1288	4:55 AM TM
Temp. Comp. Value	1) 1239	
Calibration Value	1) 1289	
Standard Temp	1) 22.8°C	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-95

1st Reading

EC 7.96 mS/cm TEMP 24.5°C

2nd Reading

EC 7.99 mS/cm TEMP 24.8°C

All equipment was rinsed and purged with Deionized water after each well.

Date 11-3-08 Verified MB

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 11.4.08

HANNA FIELD PH METER

			Time/analyst
Known value	1) 7.0	1) 8.0	MB / 440
CalibrationValue	2) 6.99	2) 7.99	
Buffer Temperature	3) 23.6	3) 24.2	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

		Time/analyst
Known Value	1) 1288	MB / 435
Temp. Comp. Value	1) 1288	
Calibration Value	1) 1288	
Standard Temp	1) 24.9	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-37

1st Reading

EC 7.76 mS/cm, TEMP 23.6 °C

2nd Reading

EC 7.72 mS/cm TEMP 23.3 °C.

All equipment was rinsed and purged with Deionized water after each well.

Date 11408 Verified MB

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 11-5-08

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst
CalibrationValue	2) 7.05	2) 8.04	452/TMD
Buffer Temperature	3) 22.3°	3) 22.5	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst
Temp. Comp. Value	1) 1288	450/TMD
Calibration Value	1) 1288	
Standard Temp	1) 25.0 C	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-10

1st Reading

EC 3.99 mS/cm, TEMP 20.7°C

2nd Reading

EC 3.90 mS/cm TEMP 21.4°C

All equipment was rinsed and purged with Deionized water after each well.

Date 11-5-08 Verified MB

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 11-6-08

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst
CalibrationValue	2) 7.0	2) 7.99	450/MB
Buffer Temperature	3) 21.0	3) 20.8	
	changed buffers yes ✓ please check		

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst
Temp. Comp. Value	1) 1215	4:45/MB
Calibration Value	1) 1286	
Standard Temp	1) 21.2	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-36

1st Reading

EC 15.97 mS/cm TEMP 23.2 C

2nd Reading

EC 15.93 mS/cm TEMP 23.4 C

All equipment was rinsed and purged with Deionized water after each well.

Date 11-6-08 Verified MB

VEOLIA Water

DAILY MANTENANCE AND CALIBRATION RECORD
DATE 11-7-08

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst
CalibrationValue	2) 7.02	2) 8.01	443/TMD
Buffer Temperature	3) 21.1	3) 21.2	
	changed buffers yes_____ please check		

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst
Temp. Comp. Value	1) 1191	TMD/440
Calibration Value	1) 1270	
Standard Temp	1) 21.0	
	changed standards yes ✓ please check	

Duplicate EC reading Well # M-14A

1st Reading
EC 4.28 mS/cm TEMP 22.7 °C

2nd Reading
EC 4.28 mS/cm TEMP 22.7 °C

All equipment was rinsed and purged with Deionized water after each well.

Date 11-7-08 Verified TMD

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-2A	40.69	1781.16	Only Sampled in the 2nd Quarter (Annual) Sampling event					pH / Cr / ClO_4 / TDS
M-5A	50.00	1751.80	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4 CLO4 / CR/ TDS
M-6A	46.00	1733.20	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4
M-7B	55.00	1732.83	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4
M-10	69.45	1836.21	48.28	1787.93	6.89	3.99	11-5-08/12:30	pH / CR6 / Cr / ClO_4 /TDS
M-11	58.00	1815.54	42.25	1773.29	7.73	4.65	11-5-08/11:35	pH / Cr / Cr^6 / ClO_4 / TDS
M-12A	50.00	1812.76	40.38	1772.38	7.63	8.77	11-6-08/9:52	pH / Cr / Cr^6 / ClO_4 / TDS
M-13	54.76	1814.89		Only Sampled in the 2nd Quarter				pH / Cr / ClO_4 / TDS
M-14A	42.40	1760.93	33.03	1727.90	7.43	4.28	11-7-08/6:35	pH / Cr / ClO_4 / TDS
M-15	42.55	1760.97		Not Sampled for the quarterly monitoring program.				pH / Cr / ClO_4 / TDS
M-17A	37.00	1768.99	33.11	1735.88	7.06	14.29	11-6-08/9:39	pH / Cr / ClO_4 / TDS
M-18	29.80	1740.48	29.79	1710.69	NO SAMPLE		11-5-08/7:33	pH / Cr / ClO_4 / TDS
M-19	41.20	1766.77	34.74	1732.03	7.21	7.21	11-5-08/10:28	pH / Cr / ClO_4 / TDS
M-21	44.74	1792.07		Only Sampled in the 2nd Quarter				pH / Cr / ClO_4 / TDS
M-22A	36.92	1759.46	30.57	1728.89	6.93	15.26	11-6-08/8:43	pH / Cr / ClO_4 / TDS
M-23	44.47	1720.35		1720.35	NO SAMPLE			pH / Cr / ClO_4 / TDS
M-25	41.47	1759.93	33.68	1726.25	7.02	10.65	11-4-08/9:13	pH / Cr / ClO_4 / TDS
M-27	26.00	1742.25	Well was abandoned by KMCC in June 2003.					Not sampled
M-29	41.74	1806.60		Only Sampled in the 2nd Quarter.				pH / Cr / ClO_4 / TDS
M-31A	55.00	1796.87	45.17	1751.70	7.16	8.81	11-5-08/9:13	pH / Cr / ClO_4 / TDS
M-32	46.76	1799.86		1799.86	NO SAMPLE		11-5-/089:11	pH / Cr / ClO_4 / TDS
M-33	46.78	1800.29		Only Sampled in the 2nd Quarter				pH / Cr / ClO_4 / TDS
M-34	41.83	1777.10	37.22	1739.88	7.11	10.53	11-5-08/10:04	pH / Cr / ClO_4 / TDS
M-35	42.33	1775.94	35.02	1740.92	7.20	6.31	11-5-08/10:14	pH / Cr / ClO_4 / TDS
M-36	37.85	1759.82	32.49	1727.33	6.94	15.97	11-6-08/10:25	pH / Cr / Cr^6 / ClO_4 / TDS
M-37	37.18	1761.06	32.45	1728.61	6.75	7.76	11-4-08/10:40	pH / Cr / Cr^6 / ClO_4 / TDS
M-38	36.82	1759.73	31.37	1728.36	6.96	14.32	11-6-08/9:00	pH / Cr / ClO_4 / TDS
M-39	42.60	1761.13	32.03	1729.10	7.03	8.09	11-5-08/10:49	pH / Cr / ClO_4 / TDS
M-44	37.65	1698.31	20.62	1677.69	7.30	9.29	11-4-08/6:10	pH / Cr / Cr^6 / ClO_4 / TDS
M-48	38.59	1720.78	28.18	1692.60	7.35	3.63	11-4-08/9:49	pH / Cr / ClO_4 / TDS
M-50	62.15	1795.64	46.35	1749.29	7.10	15.56	11-5-08/9:41	pH / Cr / ClO_4 / TDS
M-52	47.38	1801.92	39.98	1761.94	7.28	8.82	11-5-08/9:27	pH / Cr / ClO_4 / TDS
M-55	45.00	1750.88		Not sampled as part of quarterly monitoring program				Not sampled
M-56	40.00	1750.83		Not sampled as part of quarterly monitoring program				Not sampled

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-57A	42.40	1753.44	29.75	1723.69	7.48	4.19	11-4-08/7:42	pH / Cr / ClO_4 / TDS
M-58	45.00	1751.25		Not sampled as part of quarterly monitoring program				Not sampled
M-60	43.00	1750.94		Not sampled as part of quarterly monitoring program				Not sampled
M-61	41.00	1746.83	24.87	1721.96	7.16	6.59	11-5-08/11:11	pH / Cr / ClO_4 / TDS
M-64	38.00	1749.76	29.59	1720.17	7.29	9.86	11-3-08/11:16	pH / Cr / ClO_4 / TDS
M-65	40.00	1753.90	32.88	1721.02	7.00	15.61	11-3-08/10:56	pH / Cr / ClO_4 / TDS
M-66	43.00	1754.24	31.53	1722.71	6.89	15.94	11-3-08/10:40	pH / Cr / ClO_4 / TDS
M-67	38.00	1745.91	22.31	1723.60	6.88	8.52	11-6-08/5:36	pH / Cr / ClO_4 / TDS
M-68	41.00	1748.72	26.87	1721.85	7.25	7.90	11-5-08/10:59	pH / Cr / ClO_4 / TDS
M-69	40.00	1749.75	29.79	1719.96	7.09	6.09	11-4-08/8:27	pH / Cr / ClO_4 / TDS
M-70	41.00	1748.24	26.12	1722.12	7.32	3.76	11-6-08/8:02	pH / Cr / ClO_4 / TDS
M-71	43.00	1747.04	31.63	1715.41	6.85	8.43	11-6-08/8:14	pH / Cr / ClO_4 / TDS
M-72	36.00	1746.49	31.53	1714.96	7.04	9.39	11-6-08/8:25	pH / Cr / ClO_4 / TDS
M-73	36.00	1741.14	29.32	1711.82	7.50	6.17	11-6-08/6:41	pH / Cr / ClO_4 / TDS
M-74	39.00	1744.37	29.77	1714.60	7.22	7.44	11-6-08/6:34	pH / Cr / ClO_4 / TDS
M-75	53.90	1784.21	42.56	1741.65	7.52	6.24	11-7-08/6:11	pH / Cr / ClO_4 / TDS
M-76	54.60	1785.21	39.59	1745.62	7.53	6.27	11-7-08/5:38	pH / Cr / ClO_4 / TDS
M-77	47.80	1800.17		Only sampled during 2nd Quarter				pH / Cr / ClO_4 / TDS
M-78	43.60	1751.50		Not sampled as part of quarterly monitoring program				Not sampled
M-79	37.60	1742.53	24.96	1717.57	7.54.	1.37	11-4-08/8:13	pH / Cr / ClO_4 / TDS
M-80	43.70	1746.04	28.35	1717.69	NO SAMPLE		11-5-08/8:17	W.L. only
M-81A	41.60	1744.16	32.89	1711.27	NO SAMPLE		11-5-08/8:18	W.L. only
M-83	42.50	1742.36	22.97	1719.39	NO SAMPLE		11-5-08/8:15	pH / Cr / ClO_4 / TDS
M-84	36.60	1741.03	24.62	1716.41	7.71	1.48	11-5-08/11:23	pH / Cr / Cr^6 / ClO_4 / TDS
M-85	38.87	1741.19		1741.19	NO SAMPLE			pH / Cr / ClO_4 / TDS
M-86	43.00	1744.23		1744.23	NO SAMPLE			pH / Cr / ClO_4 / TDS
M-87	41.00	1744.12	37.14	1706.98	7.33	4.35	11-6-08/7:07	pH / Cr / ClO_4 / TDS
M-88	39.00	1739.35	32.29	1707.06	7.18	8.37	11-6-08/7:22	pH / Cr / ClO_4 / TDS
M-89	39.00	1766.19	33.57	1732.62	6.87	13.37	11-6-08/9:26	pH / Cr / ClO_4 / TDS
M-92	48.50	1800.76	37.17	1763.59	7.53	2.68	11-5-08/5:27	pH / Cr / ClO_4 / TDS
M-93	49.00	1797.54	36.26	1761.28	NO SAMPLE		11-5-08/5:39	pH / Cr / ClO_4 / TDS

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-94	21.60	1695.07		1695.07	NO SAMPLE			pH / Cr / Cr^{6} / ClO_4 / TDS
M-95	30.00	1694.09	12.62	1681.47	7.38	7.96	11-3-08/12:00	pH / Cr / ClO_4 / TDS / CRVI
M-96	16.90	1693.52	12.68	1680.84	7.42	7.18	11-3-08/7:54	pH / Cr / ClO_4 / TDS
M-97	52.50	1800.85	40.41	1760.44	7.28	4.70	11-5-08/5:41	pH / Cr / ClO_4 / TDS
M-98	33.40	1731.90	33.11	1698.79	NO SAMPLE		11-4-08/11:25	pH / Cr / ClO_4 / TDS
M-99	36.50	1730.74	31.15	1699.59	7.49	5.87	11-4-08/10:25	pH / Cr / ClO_4 / TDS
M-100	32.80	1730.93	30.42	1700.51	7.64	2.61	11-6-08/10:10	pH / Cr / Cr^{6} / ClO_4 / TDS
M-101	31.20	1730.81		1730.81	NO SAMPLE			pH / Cr / ClO_4 / TDS
M-102	43.50	1740.24	43.23	1697.01	NO SAMPLE		11-6-08/7:31	pH / Cr / ClO_4 / TDS
M-115	47.50	1787.64	38.34	1749.30	7.51	3.79	11-7-08/6:23	pH / Cr / ClO_4 / TDS
M-133	70.00		28.57		7.38	6.71	11-6-08/5:48	pH / Cr / ClO_4 / TDS
M-131	39.30	1754.13	32.32	1721.81	7.51	4.39	11-4-08/8:02	pH / Cr / ClO_4 / TDS
M-135	49.73	1751.85	32.13	1719.72	7.38	4.68	11-4-08/8:39	pH / Cr / ClO_4 / TDS
PC-123	34.70	1626.70	23.40	1603.30	7.21	9.11	11-3-08/5:45	pH / Cr / ClO_4 / TDS
PC-124	34.60	1636.30	25.19	1611.11	7.22	8.07	11-3-08/6:02	pH / Cr / ClO_4 / TDS
PC-125	33.50	1635.41	23.55	1611.86	7.23	8.05	11-3-08/6:13	pH / Cr / ClO_4 / TDS
PC-126	34.30	1634.67	22.53	1612.14	7.08	14.04	11-3-08/6:24	pH / Cr / ClO_4 / TDS
PC-127	34.70	1632.92	19.17	1613.75	7.26	9.08	11-3-08/6:34	pH / Cr / ClO_4 / TDS
PC-128	34.70	1633.62	18.79	1614.83	7.36	6.51	11-3-08/6:46	pH / Cr / ClO_4 / TDS
PC-129	37.70	1634.35	18.84	1615.51	7.08	8.43	11-4-08/5:25	pH / Cr / ClO_4 / TDS
PC-130	49.70	1633.50	19.47	1614.03	7.09	8.4	11-4-08/5:46	pH / Cr / ClO_4 / TDS
PC-131	39.40	1634.29	11.35	1622.94	7.04	13.46	11-3-08/7:10	pH / Cr / ClO_4 / TDS
PC-132	39.70	1634.84	9.86	1624.98	7.03	13.12	11-3-08/7:22	pH / Cr / ClO_4 / TDS
Interceptor Wells								
I-AA	46.00	1599.40	32.18	1567.22	7.43	4.80	11-3-08/8:41	pH / Cr / ClO_4 / TDS
I-AR	45.00	1758.35	42.72	1715.63	7.23	8.9	11-3-08/9:57	pH / Cr / ClO_4 / TDS
I-B	45.70	1752.66	41.79	1710.87	7.31	6.42	11-3-08/8:53	pH / Cr / ClO_4 / TDS
I-C	43.80	1752.77	43.64	1709.13	7.16	9.05	11-3-08/9:07	pH / Cr / ClO_4 / TDS
I-D	47.70	1752.66	46.61	1706.05	6.77	10.09	11-3-08/9:11	pH / Cr / ClO_4 / TDS
I-E	46.70	1752.36	44.51	1707.85	6.86	10.67	11-3-08/9:16	pH / Cr / ClO_4 / TDS
I-F	45.80	1749.70	34.02	1715.68	6.91	13.8	11-3-089:27	pH / Cr / ClO_4 / TDS
I-G	42.60	1752.50	41.33	1711.17	6.63	15.92	11-3-08/9:32	pH / Cr / ClO_4 / TDS
I-H	46.50	1753.21	43.94	1709.27	6.71	15.88	11-3-08/9:40	pH / Cr / ClO_4 / TDS
I-I	44.20	1745.50	24.75	1720.75	7.18	12.75	11-5-08/8:03	pH / Cr / ClO_4 / TDS
I-J	44.50	1750.07	32.18	1717.89	7.44	7.38	11-5-08/7:47	pH / Cr / ClO_4 / TDS

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2008

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
I-K	40.60	1750.07	36.02	1714.05	7.19	6.73	11-5-08/7:34	pH / Cr / ClO_4 / TDS
I-L	43.40	1751.69	37.82	1713.87	6.93	8.27	11-3-08/8:58	pH / Cr / ClO_4 / TDS
I-M	43.70	1752.89	41.24	1711.65	7.07	10.61	11-3-08/9:14	pH / Cr / ClO_4 / TDS
I-N	41.70	1751.45	33.82	1717.63	6.81	11.18	11-3-08/9:18	pH / Cr / ClO_4 / TDS
I-O	43.80	1752.79	37.72	1715.07	6.99	14.65	11-3-08/9:45	pH / Cr / ClO_4 / TDS
I-P	47.80	1751.66	41.62	1710.04	6.68	15.11	11-3-08/9:43	pH / Cr / ClO_4 / TDS
I-Q	43.80	1753.11	32.41	1720.70	6.99	12.8	11-3-08/9:31	pH / Cr / ClO_4 / TDS
I-R	45.30	1751.35	32.72	1718.63	7.01	8.28	11-3-08/8:56	pH / Cr / ClO_4 / TDS
I-S	47.70	1750.03	44.11	1705.92	7.07	7.75	11-3-08/9:02	pH / Cr / ClO_4 / TDS
I-T	47.80	1751.65	43.46	1708.19	6.89	16.63	11-3-08/9:34	pH / Cr / ClO_4 / TDS
I-U	47.60	1752.16	44.51	1707.65	6.53	16.52	11-3-08/9:36	pH / Cr / ClO_4 / TDS
I-V	47.70	1752.13	33.21	1718.92	7.12	13.49	11-5-08/7:24	pH / Cr / ClO_4 / TDS
I-Z	37.00	1743.78	33 22	1710.56	7.13	9.5	11-5-08/7:55	pH / Cr / ClO_4 / TDS
I-W	50.50	1751.50	30.59	1720.91	NO SAMPLE		11-3-08/11:14	DTW ONLY
I-X	50.50	1748.60	30.34	1718.26	NO SAMPLE		11-3-08/11:14	DTW ONLY
I-Y	35.00	1751.40	29.57	1721.83	NO SAMPLE		11-3-08/11:15	DTW ONLY
Other wells (offsite)								
PC-37	43.08	1707.71	26.42	1681.29	7.25	9.07	11-4-08/6:59	pH / Cr / ClO_4 / TDS
PC-54	34.60	1704.42	18.67	1685.75	7.26	6.54	11-3-08/8:17	pH / Cr / ClO_4 / TDS
PC-71	33.23	1698.73	23.86	1674.87	7.31	9.2	11-4-08/6:21	pH / Cr / ClO_4 / TDS
PC-72	39.54	1699.43	28.09	1671.34	7.31	8.23	11-4-08/6:33	pH / Cr / ClO_4 / TDS
PC-73	49.44	1699.49	30.35	1669.14	7.25	8.21	11-4-08/6:45	pH / Cr / ClO_4 / TDS
Pioneer Chemical Well								
H-28A	51.00	1731.75	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4 CLO4 / CR / TDS
Duplicate Samples:								
MD-1	= blind duplicate of		M-11				11-5-08/11:35	pH / Cr / Cr^6 / ClO_4 / TDS
MD-2	= blind duplicate of		M-12A				11-6-08/10:00	pH / Cr / Cr^6 / ClO_4 / TDS
MD-3	= blind duplicate of		PC-128				11-3-08/6:54	pH / Cr / ClO_4 / TDS
MD-4	= blind duplicate of		PC71				11-4-08/6:21	pH / Cr / ClO_4 / TDS
Other Samples Collected:								
Equipment Blank Sample: EB-1 collected on							11-4-08/7:55	pH / Cr / Cr^6 / ClO_4 / TDS
Equipment Blank Sample: EB-2 collected on							11-5-08/10:00	pH / Cr / Cr^6 / ClO_4 / TDS
Field Blank Sample: FB-1							11-3-08/7:27	pH / Cr / Cr^6 / ClO_4 / TDS

ACTUAL

Wells sampled	**88**
Duplicates	**4**
Field Blanks	**1**
Equipment Blank	**2**
Total Samples	**95**
DTW only	**7**
Wells Missing	**1**
Wells not accessible	**1**
Wells Destroyed	**2**
Wells Dry	**5**
Total Visited	**104**

Number of Wells to be Sampled:	**99**
Number of Duplicate Samples (5%):	4
Number of Field Blanks (1 per Qtr):	1
Number of Equipment Blanks (2 per Qtr):	2
Total Number of Water Samples to be Collect:	**106**
Number of wells where water levels measured only:	5
Total Number of Wells to visit:	104

MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
5:54	11-3-08		PC-123	RGW	X		X	X	X	X					2 Bottles
6:10	11-3-08		PC-124	RGW	X		X	X	X	X					2 Bottles
6:20	11-3-08		PC-125	RGW	X		X	X	X	X					2 Bottles
6:31	11-3-08		PC-126	RGW	X		X	X	X	X					2 Bottles
6:41	11-3-08		PC-127	RGW	X		X	X	X	X					2 Bottles
6:54	11-3-08		PC-128	RGW	X		X	X	X	X					2 Bottles
—	11-3-08		PC-129	RGW	X		X	X	*	X	NO SAMPLE				2 Bottles
—	11-3-08		PC-130	RGW	X		X	X	X	X	NO SAMPLE				2 Bottles
7:20	11-3-08		PC-131	RGW	X		X	X	X	X					2 Bottles
7:32	11-3-08		PC-132	RGW	X		X	X	X	X					2 Bottles
7:27	11-3-08		FB-1	RGW	X		X	X	X	X	X				3 Bottles
4:58	11-3-08		MW PM-96	RGW	X		X	X	X	X					2 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11.3.08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
824	11-3-08		PC-54	RGW	X		X	X	X	X					2 Bottles
930	11-3-08		EAA	RGW	X		X	X	X	X					2 Bottles
1050	11-3-08		M-66	RGW	X		X	X	X	X					2 Bottles
1102	11-3-08		M-65	RGW	X		X	X	X	X					2 Bottles
11:48	11-3-08		M-64	RGW	X		X	X	X	X					2 Bottles
	11-3-08		MD-3	RGW	X		X	X	X	X					2 Bottles
	11-3-08		MD-4	RGW	X		X	X	X	X					2 Bottles
	~~11-3-08~~ MS			RGW	X		X	X	X	X					___ Bottles
1212	11-3-08		M-95	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-3-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order								SAMPLER Comments
9:12	11-3-08		I-D	RGW	X		X	X	X	X												Bottles
9:08	↓		I-C	RGW	X		X	X	X	X												Bottles
9:03			I-S	RGW	X		X	X	X	X												Bottles
8:59			I-L	RGW	X		X	X	X	X												Bottles
8:57			I-R	RGW	X		X	X	X	X												Bottles
8:55	↓		I-B	RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles

* MATRIX TYPES:

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CFW = Chlor(am)inated Finished Water
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CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-3-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

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(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:
LOGIN COMMENTS:
SAMPLES CHECKED/LOGGED IN BY:
SAMPLE TEMP, RECEIPT AT LAB:
BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP
PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling; Schedule B
Sampler: Michele Brown
Susan Crowley (702) 651-2234
Tronox LLC - Henderson Plant, PO Box 55, Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
542	11-4-08		PC-129	RGW	X		X	X	X	X					2 Bottles
557	11-4-08		PC-130	RGW	X		X	X	X	X					2 Bottles
628	11-4-08		PC-41	RGW	X		X	X	X	X					2 Bottles
641	11-4-08		PC-42	RGW	X		X	X	X	X					2 Bottles
654	11-4-08		PC-73	RGW	X		X	X	X	X					2 Bottles
617	11-4-08		M-44	RGW	X		X	X	X	X					2 Bottles
710	11-4-08		PC-37	RGW	X		X	X	X	X					2 Bottles
9:55	11-4-08		M-48	RGW	X		X	X	X	X					2 Bottles
—	11-4-08		M-23	RGW	X		X	X	X	X					Bottles
—	11-4-08		MD-4	RGW	X		X	X	X	X	NO SAMPLE				Bottles
751	11-4-08		M-57A	RGW	X		X	X	X	X					2 Bottles
755	11-4-08		EB-1	RGW	X		X	X	X	X					2 Bottles
							X	X	X	X	X				3 Bottles

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- FW = Other Finished Water
- RGW = Raw Ground Water
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- CWW = Chlorinated Waste Water
- WW = Other Waste Water
- SW = Storm Water

Reported by Weight:
- SO = Soil
- SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-4-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
8:07	11-4-08		M-131	RGW	X		X	X	X	X					2 Bottles
8:20	11-4-08		M-79	RGW	X		X	X	X	X					2 Bottles
836	11-4-08		M-69	RGW	X		X	X	X	X					2 Bottles
847	11-4-08		M-135	RGW	X		X	X	X	X					2 Bottles
920	11-4-08		M-25	RGW	X		X	X	X	X					2 Bottles
11:00	11-4-08		M-37	RGW	X		X	X	X	X	X				3 Bottles
1030	11-4-08		M-99	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-4-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
535	11-5-08		M-92	RGW	X		X	X	X	X											2 Bottles
548	11-5-08		M-97	RGW	X		X	X	X	X											2 Bottles
923	11-5-08		M-31A	RGW	X		X	X	X	X											2 Bottles
934	11-5-08		M-52	RGW	X		X	X	X	X											2 Bottles
955	11-5-08		M-50	RGW	X		X	X	X	X											2 Bottles
1010	11-5-08		M-34	RGW	X		X	X	X	X											2 Bottles
1025	11-5-08		M-35	RGW	X		X	X	X	X											2 Bottles
1038	11-5-08		M-19	RGW	X		X	X	X	X											2 Bottles
1056	11-5-08		M-39	RGW	X		X	X	X	X											2 Bottles
1107	11-5-08		M-28	RGW	X		X	X	X	X											2 Bottles
1118	11-5-08		M-61	RGW	X		X	X	X	X											2 Bottles
1140	11-5-08		I-1K	RGW	X		X	X	X	X											2 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-5-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown
Michele Brown
Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
750	11-5-08		I-J	RGW	X		X	X	X	X					2 Bottles
800	11-5-08		I-Z	RGW	X		X	X	X	X					2 Bottles
808	11-5-08		I-I	RGW	X		X	X	X	X					2 Bottles
726	11-5-08		I-V	RGW	X		X	X	X	X					2 Bottles
1128	11-5-08		M-84	RGW	X		X	X	X	X	X				3 Bottles
118	11-5-08		M-10	RGW	X		X	X	X	X	X				3 Bottles
1000	11-5-08		EB-2	RGW	X		X	X	X	X	X				3 Bottles
1215	11-5-08		M-11	RGW	X		X	X	X	X	X				3 Bottles
			MD-1	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-5-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	CLO4

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	see bottle order	SAMPLER COMMENTS
1:18 AM	11/5/2008		M-10	RSW	X		X	

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11/5/2008	12:00 PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
543	11-6-08		M-67	RGW	X		X	X	X	X					2 Bottles
632	11-6-08		M-133	RGW	X		X	X	X	X					2 Bottles
638	11-6-08		M-74	RGW	X		X	X	X	X					2 Bottles
703	11-6-08		M-73	RGW	X		X	X	X	X					2 Bottles
727	11-6-08		M-88	RGW	X		X	X	X	X					2 Bottles
717	11-6-08		M-87	RGW	X		X	X	X	X					2 Bottles
811	11-6-08		M-70	RGW	X		X	X	X	X					2 Bottles
822	11-6-08		M-71	RGW	X		X	X	X	X					2 Bottles
838	11-6-08		M-72	RGW	X		X	X	X	X					2 Bottles
921	11-6-08		M-38	RGW	X		X	X	X	X					2 Bottles
1037	11-6-08		M-36	RGW	X		X	X	X	X	X				3 Bottles
1000	11-6-08		M-12A	RGW	X		X	X	X	X	X				3 Bottles

* MATRIX TYPES:

Reported by Volume:
- **CFW** = Chlor(am)inated Finished Water
- **FW** = Other Finished Water
- **RGW** = Raw Ground Water
- **RSW** = Raw Surface Water
- **CWW** = Chlorinated Waste Water
- **WW** = Other Waste Water
- **SW** = Storm Water

Reported by Weight:
- **SO** = Soil
- **SL** = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown
Michele Brown
Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
1014	11-6-08		M-16D	RGW	X		X	X	X	X	X										3 Bottles
9:51	11-6-08		M-22A	RGW	X		X	X	X	X											2 Bottles
935	11-6-08		M-89	RGW	X		X	X	X	X											2 Bottles
945	11-6-08		M-17A	RGW	X		X	X	X	X											2 Bottles
	11-6-08		MD-2	RGW	X		X	X	X	X	X										3 Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____ SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
6001	11-7-08		M-76	RGW	X		X	X	X	X											2 Bottles
6018	11-7-08		M-75	RGW	X		X	X	X	X											2 Bottles
6030	11-7-08		M-115	RGW	X		X	X	X	X											2 Bottles
6042	11-7-08		M-14A	RGW	X		X	X	X	X											2 Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-7-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Week 1
Period

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 44952 33899 RS
0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 09/15/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1-250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP Q Quarterly Period

Project Code CLO4

PO# / Job#

Blanket PO

Andrew Eaton **Your MWL Project Manager**

(626) 386-1125 **Direct Phone/Voice Mail**

SO# **44790** 6529 **RS** 0

Sampler: Please Return this Paper with your samples

Created by **MWH**

Order Date **09/10/08**

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
1	CR, MN, FE, B	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN2031
1	CL, TDS, NO3, NO2-N, N-INOR	1 500 ml poly, no preservative **SHORT HOLDING TIME!!!!!**	
1	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN2796

Important Comments

This is a quarterly sample for the "M-10 by the NPDES permit NV0023060

NO BLUE ICE NEEDED - CLIENT USING WET ICE TO COOL BOTTLES

CLIENT CODE CHANGED 7/25/03

changed 12/8/05- dropped Cu, Mo, F as per new permit and changed metals to all ICP

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

VEOLIA
WATER

Groundwater Field Log

This Section Contains:

- Water Sampling Field Logs

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-3521 / Fax 702-566-9030
www.Veoliawaterna.com

VEOLIA
WATER

Water Sampling Field Log

Well No.: I-AA

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 62°F clear sunny

Well Information:

Total Well Depth: 46.00 feet Time: 841

Depth to Water: 32.18 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):				Well Volume (WV)	Purge Factor	Purge Volume
13.82 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 20.31 gal.	* 3	= 61 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
843	-----	-----	-----	-----	
900	20 gal	7.48	4.91 mS/cm	24.1 °C	clear
912	40 gal	7.46	4.85 mS/cm	24.5 °C	clear
927	61 gal	7.43	4.80 mS/cm	24.0 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 930 Time Finished: 930

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: I- AR

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm Clear

Well Information:

Total Well Depth: 45.00 feet Time: 957

Depth to Water: 42.72 feet

Height of Water Column (L): 2.28 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:57	8.90 mS/m	25.1 °C	7.23	Clear

Sample Appearance: Clear

Sample Collection - Time Start: 9:58 Time Finished: 9:58

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-B

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, clear

Well Information:

Total Well Depth: 45.70 feet Time: 853

Depth to Water: 41.79 feet

Height of Water Column (L): 3.91 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
854	6.42 mS/cm	23.9°C	7.31	clear

Sample Appearance: clear

Sample Collection - Time Start: 855 Time Finished: 855

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- C

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, clear

Well Information:

Total Well Depth: 43.80 feet Time: 9:07

Depth to Water: 43.64 feet

Height of Water Column (L): .16 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:07	905 mS/cm	25.0°C	7.16	slightly yellow

Sample Appearance: slightly yellow

Sample Collection - Time Start: 9:08 Time Finished: 9:08

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-D

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, Clear

Well Information:

Total Well Depth: 47.70 feet Time: 911

Depth to Water: 46.61 feet

Height of Water Column (L): 1.09 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:11	10.09 mS/cm	25.3°C	6.77	light yellow

Sample Appearance: light yellow

Sample Collection - Time Start: 912 Time Finished: 912

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- E

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, clear

Well Information:

Total Well Depth: 46.70 feet Time: 916

Depth to Water: 44.51 feet

Height of Water Column (L): 2.19 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
916	10.67 mS/cm	25.7°C	6.86	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:17 Time Finished: 9:17

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- F

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm clear

Well Information:

Total Well Depth: 46.80 feet Time: 927

Depth to Water: 34.02 feet

Height of Water Column (L): 11.78 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:27	13.80 mS/cm	24.2 °C	6.91	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:28 Time Finished: 9:28

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- G

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, clear

Well Information:

Total Well Depth: 42.60 feet Time: 932

Depth to Water: 41.33 feet

Height of Water Column (L): 1.27 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:32	15.92 mS/cm	29.1°C	6.63	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 933 Time Finished: 933

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- H

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, clear

Well Information:

Total Well Depth: 46.50 feet Time: 9:40

Depth to Water: 43.94 feet

Height of Water Column (L): 2.56 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:40	15.88ms/cm	26.4°c	6.71	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:41 Time Finished: 9:41

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- I

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5 08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: breezy

Well Information:

Total Well Depth: 44.20 feet Time: 803

Depth to Water: 24.75 feet

Height of Water Column (L): 19.45 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
805	12.75 mS/cm	24.4 °C	7.18	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 808 Time Finished: 808

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-J

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 55°F breezy

Well Information:

Total Well Depth: 44.50 feet Time: 7:47

Depth to Water: 32.18 feet

Height of Water Column (L): 12.32 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
748	7.38 mS/cm	21.8 °C	7.44	slight yellow

Sample Appearance: slight yellow

Sample Collection - Time Start: 750 Time Finished: 750

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- K

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 55°F

Well Information:

Total Well Depth: 31.70 feet WMW3 TW3 Time: 734

Depth to Water: 36.02 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
736	6.93 mS/cm	20.6 °C	7.19	clear

Sample Appearance: Clear

Sample Collection - Time Start: 740 Time Finished: 740

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-L

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, Clear

Well Information:

Total Well Depth: 43.40 feet Time: 8:58

Depth to Water: 37.82 feet

Height of Water Column (L): 5.58 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
858	827 mS/cm	25.5°C	6.93	Clear

Sample Appearance: Clear

Sample Collection - Time Start: 859 Time Finished: 859

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-M

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm Clear

Well Information:

Total Well Depth: 43.70 feet Time: 914

Depth to Water: 41.24 feet

Height of Water Column (L): 2.46 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
914	10161 ms/cm	25.4°C	7.07	light yellow

Sample Appearance: light yellow

Sample Collection - Time Start: 915 Time Finished: 915

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-N

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: warm, clear

Well Information:

Total Well Depth: 41.70 feet Time: 9:18

Depth to Water: 33.82 feet

Height of Water Column (L): 7.88 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
918	11.18 mS/cm	25.2°	6.81	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 919 Time Finished: 919

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-0

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: warm, clear

Well Information:

Total Well Depth: 43.80 feet Time: 945

Depth to Water: 37.72 feet

Height of Water Column (L): 6.08 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
945	14.65 mS/cm	25.7 °C	6.99	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:46 Time Finished: 9:46

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- P

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: clear, warm

Well Information:

Total Well Depth: 47.80 feet Time: 9:43

Depth to Water: 41.62 feet

Height of Water Column (L): 6.18 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:43	15.11 mS/cm	25.7°C	6.68	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:44 Time Finished: 9:44

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- Q

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Clear, warm

Well Information:

Total Well Depth: 43.80 feet Time: 9:31

Depth to Water: 32.41 feet

Height of Water Column (L): 11.39 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
931	12.80mS/cm	25.4°c	6.99	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:32 Time Finished: 9:32

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-R

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: (warm), clear

Well Information:

Total Well Depth: 45.30 feet Time: 8:56

Depth to Water: 32.72 feet

Height of Water Column (L): 2.58 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
856	828 mS/cm	25.2 °C	7.01	clear

Sample Appearance: clear

Sample Collection - Time Start: 857 Time Finished: 857

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- S

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: warm, clear

Well Information:

Total Well Depth: 47.70 feet Time: 902

Depth to Water: 44.11 feet

Height of Water Column (L): 3.59 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
902	7.75 mS/cm	24.7 °C	7.07	Clear

Sample Appearance: Clear

Sample Collection - Time Start: 903 Time Finished: 903

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- T

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: clear, warm

Well Information:

Total Well Depth: 47.80 feet Time: 9:34

Depth to Water: 43.46 feet

Height of Water Column (L): 4.34 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:34	16.63mS/cm	27.9°C	6.89	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:36 Time Finished: 9:36

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- 4

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, clear

Well Information:

Total Well Depth: 47.60 feet Time: 9:36

Depth to Water: 44.51 feet

Height of Water Column (L): 3.09 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
9:36	16.52 ms/cm	26.6 °C	6.53	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 9:37 Time Finished: 9:37

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-V

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 55°F

Well Information:

Total Well Depth: 47.70 feet Time: 7:24

Depth to Water: 33.21 feet

Height of Water Column (L): 14.49 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
725	13.49 mS/cm	24.4 °C	7.12	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 726 Time Finished: 726

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-W

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, Clear

Well Information:

Total Well Depth: 50.50 feet Time: 11:14

Depth to Water: 30.59 feet

Height of Water Column (L): 19.91 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
		DTW	ONLY	

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-X

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm Clear

Well Information:

Total Well Depth: 50.50 feet Time: 11:14

Depth to Water: 30.34 feet

Height of Water Column (L): 20.16 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
		DTW ONLY		

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-4

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm, Clear

Well Information:

Total Well Depth: 35.00 feet Time: 11:15

Depth to Water: 29.57 feet

Height of Water Column (L): 5.43 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
		DTW ONLY		

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- 7

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: breezy 55°F

Well Information:

Total Well Depth: 37.00 feet Time: 7:55

Depth to Water: 33.22 feet

Height of Water Column (L): 3.78 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Oberservations
757	9.50 mS/cm	23.6 °C	7.13	yellow

Sample Appearance: yellow

Sample Collection - Time Start: 800 Time Finished: 800

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: M-10

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" ●

Weather Conditions: _____

Well Information:

Total Well Depth: 69.45 feet Time: 12:30

Depth to Water: 48.28 feet

Well Diameter (circle one)

Height of Water Column (L):	Well Diameter (circle one) 2-in.	4-in.	6-in	Well Volume (WV)	Purge Factor	Purge Volume
21.21 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 31.17 gal.	* 3	= 94 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1232	-----	-----	-----	-----	
1245	31 gal	7.02	3.97 mS/cm	21.1 °C	rusty colored
1259	62 gal	6.84	3.97 mS/cm	20.1 °C	slightly rust colored
1:15	94 gal	6.89	3.99 mS/cm	20.7 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1:18 Time Finished: 1:18

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: Dup EC readings

EC 3.99 mS/cm

Temp 21.4 °C

Kha cooler collected here

Water Sampling Field Log

Well No.: M-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" ●

Weather Conditions: Warm 62°F

Well Information:

Total Well Depth: 58.0 feet Time: 1135

Depth to Water: 42.25 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 15.75 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 23.1 gal. * Purge Factor: 3 = Purge Volume: 69 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1138	-----	-----	-----	-----	
1151	23 gal	7.70	4.67 mS/cm	23.6 °C	light yellow
1203	46 gal	7.71	4.62 mS/cm	23.8 °C	light yellow
1214	69 gal	7.73	4.65 mS/cm	23.5 °C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 1215 Time Finished: 1215

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: MD-1 taken here 3 btls

Water Sampling Field Log

Well No.: M-12A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 58°F

Well Information:

Total Well Depth: 50.0 feet Time: 952

Depth to Water: 40.38 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
9.62 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 1.53 gal.	* 3	= 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
954	-----	-----	-----	-----	
956	2 gal	7.77	8.66 mS/cm	21.2 °C	yellow
958	4 gal	7.64	9.16 mS/cm	22.2 °C	yellow
959	5 gal	7.63	8.77 mS/cm	22.3 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 1000 Time Finished: 1000

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: MD-2 taken here 3 bottles

Water Sampling Field Log

Well No.: M-14A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-7-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 53°F Clear

Well Information:

Total Well Depth: 42.40 feet Time: 635

Depth to Water: 33.03 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 9.37 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.49 gal. * Purge Factor 3 = **Purge Volume** 5gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1637	-----	-----	-----	-----	
1639	2 gal	7.47	4.19 mS/cm	21.5 °C	Cloudy
1640	4 gal	7.44	4.28 mS/cm	22.8 °C	slightly cloudy
1641	5 gal	7.43	4.28 mS/cm	22.7 °C	slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 642 Time Finished: 642

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

Comments: Dup EC Reading EC 4.28 mS/cm Temp 22.7 °C

TOTAL BOTTLES: 2

Water Sampling Field Log

Well No.: M-17A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 56°F clear

Well Information:

Total Well Depth: 37.00 feet Time: 939

Depth to Water: 33.11 feet

	Well Diameter (circle one)			Well Volume (WV)	Purge Factor	Purge Volume
	2-in.	4-in.	6-in			
Height of Water Column (L): 3.89 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= .62 gal.	* 3	= 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
941	-----	-----	-----	-----	
943	1 gal	7.22	13.88 ms/cm	21.4°C	yellow
944	1.5 gal	7.07	14.25 ms/cm	22.4°C	yellow
944	2 gal	7.06	14.29 ms/cm	22.5°C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 9:45 Time Finished: 9:45

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-18

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 55°F breezy

Well Information:

Total Well Depth: 29.80 feet Time: 7:33

Depth to Water: 29.79 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
.01 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= _____ gal.	* 3	= _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	NO SAMPLE		
_____	gal	_____	WELL DRY		
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: MW-19

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm 62°F

Well Information:

Total Well Depth: 41.20 feet Time: 1028

Depth to Water: 34.74 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 6.46 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.03 gal. * Purge Factor 3 = **Purge Volume** 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1028	-----	-----	-----	-----	
1030	1 gal	7.44	3.81 mS/cm	21.1 °C	clear
1031	2 gal	7.25	6.19 mS/cm	21.5 °C	clear
1034	3 gal	7.25	7.04 mS/cm	21.5 °C	clear
1036	4 gal	7.25	7.20 mS/cm	21.5 °C	clear
1037	5 gal	7.21	7.21 mS/cm	21.6 °C	clear
	gal				

Sample Appearance: mS clear

Sample Collection - Time Start: 1038 Time Finished: 1038

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: Removed bailer to need DTW

Water Sampling Field Log

Well No.: M-22A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 56°F clear

Well Information:

Total Well Depth: 36.92 feet Time: 843

Depth to Water: 30.57 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Diameter		Well Volume (WV)		Purge Factor		Purge Volume
6.35 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.0 gal.	*	3	=	3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
846	-----	-----	-----	-----	
848	1 gal	7.01	14.37 mS/cm	21.9 °C	yellow
849	2 gal	6.93	15.13 mS/cm	22.3 °C	yellow
850	3 gal	6.93	15.26 mS/cm	22.3 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 851 Time Finished: 851

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: MW-23

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: _____ feet Time: _____

Depth to Water: _____ feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV)	Purge Factor	**Purge Volume**

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	_____
_____	_____ gal	_____	NO SAMPLE		_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	WELL NOT ACCESSIBLE		_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-25

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy 65°F

Well Information:

Total Well Depth: 41.47 feet Time: 913

Depth to Water: 33.68 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)	Purge Factor	Purge Volume
7.79 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.24 gal.	* 3	= 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
913	-----	-----	-----	-----	
914	2 gal	7.01	10.10 mS/cm	22.5 °C	Yellow
915	3 gal	7.03	10.64 mS/cm	23.4 °C	Yellow
916	4 gal	7.02	10.65 mS/cm	23.8 °C	Yellow
	gal				
	gal				
	gal				

Sample Appearance: Yellow

Sample Collection - Time Start: 920 Time Finished: 920

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-31A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 60°F light breeze clear

Well Information:

Total Well Depth: 55.00 feet Time: 9:13

Depth to Water: 45.17 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 9.83 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.57 gal. * Well Volume (WV) 3 = Purge Factor 5 gal Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
917	-----	-----	-----	-----	
919	2 gal	7.23	8.76 mS/cm	21.3 °C	yellow
921	4 gal	7.19	9.16 mS/cm	22.4 °C	yellow
922	5 gal	7.16	8.81 mS/cm	22.4 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 923 Time Finished: 923

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-32

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 46.76 feet Time: 9:11

Depth to Water: _____ feet

Well Diameter (circle one)			Well Volume (WV)	Purge Factor	Purge Volume
2-in.	4-in.	6-in			

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	DRY	NO	_____
_____	gal	_____	_____	SAMPLE	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-34

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non-Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 61°F warm

Well Information:

Total Well Depth: 41.83 feet Time: 1004

Depth to Water: 37.22 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):			Well Volume (WV)		Purge Factor	**Purge Volume**
4.61 feet	* 0.16 gal/ft	* 0.65 gal/ft * 1.47 gal/ft	= .73 gal.	*	3	= 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1006	-----	-----	-----	-----	
1008	1 gal	7.17	10.51 mS/cm	22.6 °C	yellow
1008	1.5 gal	7.11	10.56 mS/cm	22.7 °C	yellow
1009	2 gal	7.11	10.53 mS/cm	22.8 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 1010 Time Finished: 1010

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-35

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ⊗ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 61°F Warm

Well Information:

Total Well Depth: 42.33 feet Time: 1014

Depth to Water: 35.02 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 7.31 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.16 gal. * Purge Factor: 3 = Purge Volume: 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1015	-----	-----	-----	-----	
1017	2 gal	7.34	4.55 mS/cm	23.3 °C	light yellow tinge
1018	3 gal	7.34	4.51 mS/cm	24.3 °C	light yellow
1019	4 gal	7.25	6.14 mS/cm	25.2 °C	light yellow
1020	5 gal	7.22	6.05 mS/cm	25.3 °C	light yellow
1021	6 gal	7.20	6.31 mS/cm	25.5 °C	light yellow
	gal				

Sample Appearance: light yellow tinge

Sample Collection - Time Start: 1025 MB Time Finished: 1025 MB

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-36

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer ● Ready Flo 2" O

Weather Conditions: clear

Well Information:

Total Well Depth: 37.85 feet Time: 10:25

Depth to Water: 32.49 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Diameter			Well Volume (WV)	Purge Factor	Purge Volume
5.36 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	=	.85 gal.	* 3	= 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1028	-----	-----	-----	-----	
1031	1 gal	6.87	15.76 mS/cm	23.6 °C	yellow
1034	2 gal	6.87	15.64 mS/cm	23.6 °C	yellow
1036	3 gal	6.94	15.97 mS/cm	23.2 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 1037 Time Finished: 1037

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: Dup EC

EC 15.73 mS/cm

Temp 23.4 °C

Water Sampling Field Log

Well No.: M-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy

Well Information:

Total Well Depth: 37.18 feet Time: 1040

Depth to Water: 32.45 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
4.73 feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= .75 gal.	*	3	=	2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1041	-----	-----	-----	-----	
1042	1 gal	6.86	7.11 mS/cm	22.2 °C	clear
10:46	1.5 gal	6.76	5.71 mS/cm	22.6 °C	clear
10:48	2 gal	6.76	6.30 mS/cm	21.6 °C	clear
10:51	2.5 gal	6.72	7.22 mS/cm	22.0 °C	clear
10:59	3.0 gal	6.75	7.76 mS/cm	23.6 °C	clear
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 11:00 Time Finished: 11:00

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: dup EC reading EC 7.72 mS/cm Temp 23.3

well purges dry

6

Water Sampling Field Log

Well No.: M-38

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer ● Ready Flo 2" O

Weather Conditions: clear

Well Information:

Total Well Depth: 36.82 feet Time: 900

Depth to Water: 31.37 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 5.45 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .87 gal. * 3 = 3 gal

Well Volume (WV)	Purge Factor	Purge Volume
.87 gal.	* 3	= 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
907	-----	-----	-----	-----	
912	1 gal	6.96	14.34 mS/cm	23.1°C	yellow
915	2 gal	6.90	14.31 mS/cm	23.3°C	yellow
919	3 gal	6.96	14.32 mS/cm	23.1°C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 921 Time Finished: 921

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-39

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 62°F warm

Well Information:

Total Well Depth: 42.60 feet Time: 1049

Depth to Water: 32.03 feet

Well Diameter (circle one): 2-in. / 4-in. / 6-in

Height of Water Column (L): 10.57 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in) = Well Volume (WV): 1.69 gal. * Purge Factor: 3 = Purge Volume: 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1051	-----	-----	-----	-----	
1052	2 gal	7.14	7.87 mS/cm	23.4 °C	light yellow
1053	4 gal	7.04	8.11 mS/cm	24.1 °C	light yellow
1055	5 gal	7.03	8.09 mS/cm	24.3 °C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 1056 Time Finished: 1056

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-44

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 60°F Windy

Well Information:

Total Well Depth: 37.65 feet Time: 6:10

Depth to Water: 20.52 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 17.13 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Well Volume (WV): = 2.74 gal. * Purge Factor: 3 = **Purge Volume**: 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
611	-----	-----	-----	-----	
614	3 gal	7.27	9.16 mS/cm	22.5 °C	Clear
615	6 gal	7.30	9.00 mS/cm	22.8	Clear
616	8 gal	7.30	9.29 mS/cm	23.0 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 617 Time Finished: 617

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-48

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ⊘ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 66°F windy

Well Information:

Total Well Depth: 38.59 feet Time: 949

Depth to Water: 28.18 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)	Purge Factor	Purge Volume
9.41 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.18 gal.	* 3	= 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
950	-----	-----	-----	-----	
952	2 gal	7.58	3.65 mS/cm	23.5 °C	Clear
953	3 gal	7.38	3.64 mS/cm	23.6°C	Clear
954	4 gal	7.35	3.63 mS/cm	23.6°C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 955 Time Finished: 955

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-50

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: (60°F warm)

Well Information:

Total Well Depth: 62.15 feet Time: 9:41

Depth to Water: 46.35 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 15.8 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.52 gal. (Well Volume (WV)) * 3 (Purge Factor) = 8 gal (Purge Volume)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
944	-----	-----	-----	-----	
947	3 gal	7.10	15.93 mS/cm	20.3°C	Yellow
951	6 gal	7.08	15.97 mS/cm	20.9°C	Yellow
953	8 gal	7.10	15.54 mS/cm	20.9°C	Yellow
	gal				
	gal				
	gal				

Sample Appearance: Yellow

Sample Collection - Time Start: 955 Time Finished: 955

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: EB-2 taken here 3 bottles 1000 Hrs

Water Sampling Field Log

Well No.: M-52

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 60°F warm Clear

Well Information:

Total Well Depth: 44.38 feet Time: 927

Depth to Water: 39.98 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)		Purge Factor		Purge Volume
7.4 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.18 gal.	*	3	=	4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
928	-----	-----	-----	-----	
929	2 gal	7.26	9.26 mS/cm	21.6 °C	slightly cloudy yellow
931	3 gal	7.26	8.79 mS/cm	21.9 °C	clear yellow
933	4 gal	7.28	8.82 mS/cm	22.3 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 934 Time Finished: 934

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-57A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Very Windy 63°F

Well Information:

Total Well Depth: 42.40 feet Time: 1:42

Depth to Water: 29.75 feet

Well Diameter (circle one)

Height of Water Column (L):	Well Diameter (circle one) 2-in.	4-in.	6-in	Well Volume (WV)	Purge Factor	Purge Volume
12.65 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 2.0 gal.	* 3	= 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
746	-----	-----	-----	-----	
748	2 gal	7.46	4.29 mS/cm	22.2 °C	muddy
750	4 gal	7.47	4.21 mS/cm	22.5 °C	Very cloudy
751	6 gal	7.48	4.19 mS/cm	21.9 °C	cloudy
	gal				
	gal				
	gal				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 751 Time Finished: 751

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments: EB-1 taken here 3 btls 755

Water Sampling Field Log

Well No.: M-61

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm 62°F

Well Information:

Total Well Depth: 41.00 feet Time: 11:11

Depth to Water: 24.87 feet

Well Diameter (circle one): 2-in. / 4-in. / 6-in

Height of Water Column (L): 16.13 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in) = Well Volume (WV): 2.5 gal. * Purge Factor: 3 = **Purge Volume**: 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
11:12	-----	-----	-----	-----	
11:14	3 gal	7.20	6.56 mS/cm	22.6°C	Clear
11:16	6 gal	7.17	6.57 mS/cm	23.3°C	Clear
11:17	8 gal	7.16	6.59 mS/cm	23.6°C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 1118 Time Finished: 1118

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-24

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: warm, clear

Well Information:

Total Well Depth: 38.00 feet Time: 1116

Depth to Water: 29.59 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L)			Well Volume (WV)		Purge Factor		Purge Volume
8.41 feet	* 0.16 gal/ft	* 0.65 gal/ft * 1.47 gal/ft	= 1.34 gal.	*	3	=	4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1117	-----	-----	-----	-----	
1131	2 gal	7.34	9.81 mS/cm	25.5 °C	slightly cloudy yellow
1139	3 gal	7.30	9.62 mS/cm	24.5 °C	yellow (clear)
1146	4 gal	7.29	9.82 mS/cm	25.1 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 1148 Time Finished: 1148

Analyses: (pH / CLO4 / CR / TDS) pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: well purges dry

Water Sampling Field Log

Well No.: M-65

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3 (MB) -08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm) clear

Well Information:

Total Well Depth: 40.00 feet Time: 10:50

Depth to Water: 32.88 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L):	7.12	feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	=	1.13	gal.	* 3	= 3 gal
							Well Volume (WV)		Purge Factor	**Purge Volume**

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1057	-----	-----	-----	-----	
1058	1 gal	7.09	14.21 mS/cm	24.0 °C	yellow
1059	2 gal	7.0	15.60 mS/cm	24.4 °C	yellow
1100	3 gal	6.98	15.84 mS/cm	24.7 °C	yellow
11:01	4 gal	7.0	15.61 mS/cm	24.4 °C	yellow
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 1102 Time Finished: 1102

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-66

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08 (MB)

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm, Clear

Well Information:

Total Well Depth: 43.00 feet Time: 10:40

Depth to Water: 31.53 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 11.47 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.83 gal. * Purge Factor: 3 = Purge Volume: 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1042	-----	-----	-----	-----	
1045	2 gal	6.90	16.33 mS/cm	24.4 °C	Yellow
1047	4 gal	6.88	16.20 mS/cm	24.5 °C	Yellow
1049	6 gal	6.89	15.94 mS/cm	24.7 °C	Yellow
	gal				
	gal				
	gal				

Sample Appearance: Yellow

Sample Collection - Time Start: 1050 Time Finished: 1050

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-167

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 47°F

Well Information:

Total Well Depth: 38.00 feet Time: 5:36

Depth to Water: 22.31 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)		Purge Factor	Purge Volume
15.69 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 2.5 gal.	*	3	= 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
539	-----	-----	-----	-----	
539	3 gal	6.65	8.50 mS/cm	22.7 °C	light yellow
541	6 gal	6.86	8.43 mS/cm	23.4 °C	light yellow
542	8 gal	6.88	8.52 mS/cm	23.8 °C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 543 Time Finished: 543

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-68

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm 62°F

Well Information:

Total Well Depth: 41.00 feet Time: 1059

Depth to Water: 26.87 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
14.13 feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 2.26 gal.	*	3	=	7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1100	-----	-----	-----	-----	
1102	3 gal	7.22	7.03 mS/cm	23.0 °C	clear
1104	5 gal	7.19	8.35 mS/cm	23.3 °C	clear
1105	4 gal	7.21	8.80 mS/cm	23.3 °C	clear
1106	8 gal	7.25	7.90 mS/cm	23.7 °C	clear
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1107 Time Finished: 1107

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-69

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Very windy 63°F

Well Information:

Total Well Depth: 40.00 feet Time: 829

Depth to Water: 29.79 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
10.21 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 1.63 gal.	* 3	= 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
829	-----	-----	-----	-----	
832	2 gal	7.13	6.00 mS/cm	22.8°C	Clear
834	4 gal	7.09	6.05 mS/cm	22.6°C	Clear
835	5 gal	7.09	6.09 mS/cm	23.4°C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 836 Time Finished: 836

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-70

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ⊗ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 53°F

Well Information:

Total Well Depth: 41.00 feet Time: 802

Depth to Water: 26.12 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
14.88 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 2.3 gal.	* 3	= 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
804	-----	-----	-----	-----	
807	3 gal	7.59	3.83 mS/cm	21.1 °C	clear
808	5 gal	7.42	3.81 mS/cm	22.0 °C	clear
809	7 gal	7.32	3.76 mS/cm	22.1 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 811 Time Finished: 811

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 54°F Clear

Well Information:

Total Well Depth: 43.00 feet Time: 814

Depth to Water: 31.63 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor	Purge Volume
11.37 feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 1.81 gal.	*	3	= 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
816	-----	-----	-----	-----	
818	2 gal	6.87	8.38 mS/cm	22.4 °C	light yellow
819	4 gal	6.86	8.43 mS/cm	23.0 °C	light yellow
820	5 gal	6.85	8.43 mS/cm	23.4 °C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 822 Time Finished: 822

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 54°F

Well Information:

Total Well Depth: 36.0 feet Time: 825

Depth to Water: 31.53 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
4.47 feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	.71 gal.	*	3	=	2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
825	-----	-----	-----	-----	
833	1 gal	6.97	9.26 mS/cm	20.5°C	light yellow
835	1.5 gal	7.01	9.38 mS/cm	23.1°C	light yellow cloudy
836	2 gal	7.04	9.39 mS/cm	23.2°C	light yellow cloudy
	gal				
	gal				
	gal				

Sample Appearance: light yellow slightly cloudy

Sample Collection - Time Start: 838 Time Finished: 838

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

well purges dry

Water Sampling Field Log

Well No.: M-73

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 47°F clear cool

Well Information:

Total Well Depth: 36.0 feet Time: 6:41

Depth to Water: 29.32 feet

Height of Water Column (L): 6.68 feet

Well Diameter (circle one): 2-in. (0.16 gal/ft) 4-in. (0.65 gal/ft) 6-in (1.47 gal/ft)

Well Volume (WV): 1.06 gal. * Purge Factor: 3 = Purge Volume: 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
642	-----	-----	-----	-----	
644	1 gal	7.18	6.33 mS/cm	20.0 °C	light yellow
649	2 gal	7.22	6.13 mS/cm	19.3 °C	cloudy
702	3 gal	7.50	6.17 mS/cm	16.4 °C	slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 703 Time Finished: 703

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: well purges dry

Water Sampling Field Log

Well No.: M-74

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 47°F cool

Well Information:

Total Well Depth: 39.0 feet Time: 1634

Depth to Water: 29.77 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 9.23 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.49 gal. * 3 = 4 gal

Well Volume (WV)	Purge Factor	Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1634	-----	-----	-----	-----	
1635	2 gal	7.32	7.10 mS/cm	20.6°C	clear
1636	3 gal	7.23	7.42 mS/cm	21.8°C	clear
1637	4 gal	7.22	7.44 mS/cm	22.5°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1633 Time Finished: 1638

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-75

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 51°F

Well Information:

Total Well Depth: 53.90 feet Time: 611

Depth to Water: 42.56 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 11.34 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.81 gal. * Purge Factor: 3 = **Purge Volume**: 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
612	-----	-----	-----	-----	
614	2 gal	7.48	6.66 mS/cm	20.7 °C	light yellow
616	4 gal	7.53	6.21 mS/cm	22.1 °C	light yellow
617	5 gal	7.52	6.24 mS/cm	23.0 °C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 618 Time Finished: 618

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-76

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-7-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 51°F

Well Information:

Total Well Depth: 54.60 feet Time: 5:38

Depth to Water: 39.59 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 15.01 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.4 gal. * Well Volume (WV) 3 Purge Factor = 7 gal Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
539	-----	-----	-----	-----	
542	3 gal	6.93	6.05 mS/cm	22.8°C	slightly cloudy
556	5 gal	7.44	6.25 mS/cm	20.6°C	Clear
605	7 gal	7.53	6.27 mS/cm	21.4°C	Clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 607 Time Finished: 607

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: well purged dry

Water Sampling Field Log

Well No.: M-79

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ❷ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Very windy

Well Information:

Total Well Depth: 37.60 feet Time: 8:13

Depth to Water: 24.96 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 12.64 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 2.02 gal. * Purge Factor 3 = Purge Volume 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
815	-----	-----	-----	-----	
816	2 gal	7.63	1.36 mS/cm	21.9 °C	clear
818	4 gal	7.56	1.37 mS/cm	22.3 °C	clear
819	6 gal	7.54	1.37 mS/cm	22.2 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 820 Time Finished: 820

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-80

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: breezy 58°F

Well Information:

Total Well Depth: 43.70 feet Time: 817

Depth to Water: 28.35 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Well Volume (WV)	Purge Factor	Purge Volume

Height of Water Column (L): 15.35 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	DTW	ONLY	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-83

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 58°F Breezy

Well Information:

Total Well Depth: 42.50 feet Time: 815

Depth to Water: 22.97 feet

Height of Water Column (L): 19.53 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Well Volume (WV) | Purge Factor | Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	NO SAMPLE		
_____	gal	_____	_____	Well destroyed	
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-84

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm 62°F

Well Information:

Total Well Depth: 36.60 feet Time: 1123

Depth to Water: 24.62 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L): 11.98 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.91 gal. * 3 = 6 gal

Well Volume (WV)	Purge Factor	Purge Volume
1.91 gal.	* 3	= 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1124	-----	-----	-----	-----	
1125	2 gal	8.00	1.50 mS/cm	19.5°C	Clear
1126	4 gal	7.74	1.49 mS/cm	20.0°C	Clear
1127	6 gal	7.71	1.48 mS/cm	20.1°C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 1128 Time Finished: 1128

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-85

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 38.87 feet Time: _____

Depth to Water: _____ feet

Well Diameter (circle one)			Well Volume (WV)	Purge Factor	**Purge Volume**
2-in.	4-in.	6-in			

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	_____	_____	_____
_____	gal	_____	WELL DESTROYED		
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-86

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 43.00 feet Time: _____

Depth to Water: _____ feet

Well Diameter (circle one)			Well Volume (WV)	Purge Factor	**Purge Volume**
2-in.	4-in.	6-in			

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	WELL DESTROYED		
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-87

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 49°F Clear

Well Information:

Total Well Depth: 41.00 feet Time: 709

Depth to Water: 37.14 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)	Purge Factor	Purge Volume
3.86 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= .61 gal.	* 3	= 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
709	-----	-----	-----	-----	
715	1 gal	7.51	4.42 mS/cm	20.5 °C	Clear
716	1.5 gal	7.31	4.58 mS/cm	22.2 °C	Clear
716	2 gal	7.33	4.35 mS/cm	22.1 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 717 Time Finished: 717

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: well purged dry

Water Sampling Field Log

Well No.: M-88

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 50°F clear

Well Information:

Total Well Depth: 39.0 feet Time: 722

Depth to Water: 32.29 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)		Purge Factor		Purge Volume
6.71 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.01 gal.	*	3	=	3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
722	-----	-----	-----	-----	
724	1 gal	7.23	7.94 mS/cm	21.2 °C	slightly cloudy
725	2 gal	7.20	8.24 mS/cm	22.6 °C	clear
726	3 gal	7.18	8.37 mS/cm	23.0 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 727 Time Finished: 727

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-89

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 56°F

Well Information:

Total Well Depth: 39.00 feet Time: 926

Depth to Water: 33.57 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 5.43 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in) = Well Volume (WV): .86 gal. * Purge Factor: 3 = Purge Volume: 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
928	-----	-----	-----	-----	
931	1 gal	7.0	13.51 mS/cm	22.1 °C	yellow
932	2 gal	6.90	13.30 mS/cm	23.0 °C	yellow
933	3 gal	6.87	13.31 mS/cm	23.1 °C	yellow
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 935 Time Finished: 935

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-92

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 55°F breezy

Well Information:

Total Well Depth: 48.50 feet Time: 5:27

Depth to Water: 37.17 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
11.33 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 1.81 gal.	* 3	= 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
529	-----	-----	-----	-----	
531	2 gal	7.19	2.67 mS/cm	21.4 °C	clear
532	4 gal	7.50	2.69 mS/cm	22.2 °C	clear
533	5 gal	7.53	2.68 mS/cm	22.3 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 535 Time Finished: 535

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-93

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 55°F breezy

Well Information:

Total Well Depth: 49.00 feet Time: 539

Depth to Water: 36.26 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Well Volume (WV)	Purge Factor	Purge Volume

Height of Water Column (L): 12.74 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	Well destroyed		
_____	gal	_____	_____	_____	DTW ONLY
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-94

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: _____ feet Time: _____

Depth to Water: _____ feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

(Well Volume (WV) | Purge Factor | **Purge Volume**)

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	- Missing -		_____
_____	gal	_____	_____	NO Sample	_____
_____	gal	_____	_____	No DTW	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-95

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 62°F

Well Information:

Total Well Depth: 30.00 feet Time: 1200

Depth to Water: 12.62 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
17.32 feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 2.77 gal.	*	3	=	8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1204	-----	-----	-----	-----	
1207	3 gal	7.39	7.92 mS/cm	23.9°C	clear
1209	6 gal	7.38	7.88 mS/cm	24.3°C	clear
1210	8 gal	7.38	7.96 mS/cm	24.5°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1212 Time Finished: 1212

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 3

Comments: Dup EC reading EC 7.99 mS/cm Temp 24.8°C

Water Sampling Field Log

Well No.: M-96

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 62°F

Well Information:

Total Well Depth: 16.90 feet Time: 7:54

Depth to Water: 12.68 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):				Well Volume (WV)		Purge Factor		Purge Volume
4.22 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= .67 gal.	*	3	=	3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
7:54	-----	-----	-----	-----	
7:55	1 gal	7.45	7.11 mS/cm	24.1 °C	muddy
7:56	2 gal	7.43	7.19 mS/cm	24.6 °C	muddy
7:57	3 gal	7.42	7.18 mS/cm	24.9 °C	clearing but still cloudy
	gal				
	gal				
	gal				

Sample Appearance: cloudy

Sample Collection - Time Start: 7:58 Time Finished: 7:58

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-97

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-5-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 55°F breezy

Well Information:

Total Well Depth: 52.50 feet Time: 541

Depth to Water: 40.41 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)	Purge Factor	Purge Volume
12.09 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.93 gal.	* 3	= 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
542	-----	-----	-----	-----	
544	2 gal	7.30	4.64 mS/cm	21.3 °C	clear
545	4 gal	7.28	4.69 mS/cm	22.2 °C	clear
546	6 gal	7.28	4.70 mS/cm	22.2 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: 548 clear

Sample Collection - Time Start: _____ Time Finished: 548

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-98

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy, warm

Well Information:

Total Well Depth: 33.40 feet Time: 11:25

Depth to Water: 33.11 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
.29 feet * 0.16 gal/ft / * 0.65 gal/ft / * 1.47 gal/ft	= _____ gal.	* 3	= _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	NO SAMPLE		
_____	gal	_____	WELL considered dry		

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-99

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy

Well Information:

Total Well Depth: 36.50 feet Time: 1025

Depth to Water: 31.15 feet

Height of Water Column (L):	Well Diameter (circle one) 2-in.	4-in.	6-in	Well Volume (WV)	Purge Factor	Purge Volume
5.35 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= .85 gal.	* 3	= 2.5

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
	-----	-----	-----	-----	
1026	gal	7.49	5.87 mS/cm	22.5 °C	clear
	gal				
	gal		not purged		due to new fencing
	gal		and low		level of water in well
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1030 Time Finished: 1030

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-100

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump O Dedicated Bailer ● Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 58°F

Well Information:

Total Well Depth: 32.80 feet Time: 1010

Depth to Water: 30.42 feet

Height of Water Column (L): 2.38 feet

Well Diameter (circle one): 2-in. (0.16 gal/ft) 4-in. (0.65 gal/ft) 6-in (1.47 gal/ft)

Well Volume (WV) = _____ gal. * Purge Factor 3 = Purge Volume _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
	-----	-----	-----	-----	
	gal		Did Not purge due to		
	gal		low water level		
	gal		collected sample from dedicated bailer		
10:14	gal	7.64	2.61 mS/cm	20.5°C	clear
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 1014 Time Finished: 1014

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-101

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 50°F

Well Information:

Total Well Depth: 31.20 feet Time: 740

Depth to Water: _____ feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Well Volume (WV)	Purge Factor	Purge Volume
Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal.	* 3	= _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	No static sound from	_____	_____
_____	_____ gal	_____	probe	_____	_____
_____	_____ gal	_____	Well completly dry	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: MW-102

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 50°F

Well Information:

Total Well Depth: 43.50 feet Time: 731

Depth to Water: 43.23 feet

Height of Water Column (L): .27 feet

Well Diameter (circle one)			Well Volume (WV)		Purge Factor		Purge Volume
2-in.	4-in.	6-in					
* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= _____	gal. *	3	= _____	

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	-----	-----	-----	-----	
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	NO SAMPLE		_____
_____	gal	_____	WELL		considered dry
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments: removed bailer to get DTW

Water Sampling Field Log

Well No.: M-115

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-7-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 52°F clear

Well Information:

Total Well Depth: 47.50 feet Time: 623

Depth to Water: 38.34 feet

Well Diameter (circle one): 2-in. / 4-in. / 6-in

Height of Water Column (L): 9.16 feet * (0.16 gal/ft / 0.65 gal/ft / 1.47 gal/ft) = Well Volume (WV): 1.46 gal. * Purge Factor: 3 = **Purge Volume**: 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
625	-----	-----	-----	-----	
627	2 gal	7.60	3.74 mS/cm	20.8 °C	clear
628	3 gal	7.53	3.80 mS/cm	22.0 °C	cloudy
629	4 gal	7.51	3.79 mS/cm	21.9 °C	slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 630 Time Finished: 630

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-131

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Very Windy 63°F

Well Information:

Total Well Depth: 39.30 feet Time: 8:02

Depth to Water: 32.32 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)	Purge Factor	Purge Volume
6.98 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 1.11 gal.	* 3	= 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
803	-----	-----	-----	-----	
804	1 gal	7.67	4.28 mS/cm	21.9 °C	Slightly cloudy
805	2 gal	7.52	4.34 mS/cm	22.4 °C	Slightly cloudy
806	3 gal	7.51	4.39 mS/cm	22.6 °C	Slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: Very slightly cloudy

Sample Collection - Time Start: 807 Time Finished: 807

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-133

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-6-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 47°F

Well Information:

Total Well Depth: 76.60 feet Time: 548

Depth to Water: 28.57 feet

Height of Water Column (L): 41.43 feet * Well Diameter (circle one): 2-in. / 4-in. / 6-in. * 0.16 gal/ft / * 0.65 gal/ft / * 1.47 gal/ft = Well Volume (WV) gal. * Purge Factor 3 = Purge Volume 20 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
550	-----	-----	-----	-----	
603	7 gal	7.35	6.19 mS/cm	19.8 °C	slightly cloudy
615	14 gal	7.48	6.10 mS/cm	21.4 °C	Slightly cloudy
630	20 gal	7.38	6.71 mS/cm	20.5 °C	slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 632 Time Finished: 632

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments: well purged dry

Water Sampling Field Log

Well No.: M-135

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy 63°F

Well Information:

Total Well Depth: 49.73 feet Time: 839

Depth to Water: 32.13 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)	Purge Factor	Purge Volume
17.60 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 2.81 gal.	* 3	= 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
840	-----	-----	-----	-----	
843	3 gal	7.36	4.68 mS/cm	22.7 °C	clear
845	6 gal	7.36	4.75 mS/cm	23.5 °C	clear
846	8 gal	7.38	4.68 mS/cm	23.2 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 847 Time Finished: 847

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11.4.08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy 61°F

Well Information:

Total Well Depth: 43.08 feet Time: 659

Depth to Water: 26.42 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)	Well Volume (WV)	Purge Factor	Purge Volume
16.66 feet * 0.16 gal/ft / * 0.65 gal/ft * 1.47 gal/ft	= 2.66 gal.	* 3	= 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
701	-----	-----	-----	-----	
704	3 gal	7.41	9.05 mS/cm	22.1 °C	clear
706	6 gal	7.22	9.04 mS/cm	22.4 °C	clear
708	8 gal	7.25	9.07 mS/cm	23.0 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 710 Time Finished: 710

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-54

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 62°F

Well Information:

Total Well Depth: 34.60 feet Time: 8:17

Depth to Water: 18.67 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
15.93 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 2.54 gal.	* 3	= 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
818	-----	-----	-----	-----	
820	3 gal	7.26	6.62 mS/cm	24.5 °C	cloudy
822	6 gal	7.26	6.59 mS/cm	24.7 °C	very slightly cloudy
823	8 gal	7.26	6.54 mS/cm	24.7 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 824 Time Finished: 824

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-M1

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy 60°F

Well Information:

Total Well Depth: 33.23 feet Time: 621

Depth to Water: 23.86 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
9.37 feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 1.49 gal.	*	3	=	5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
623	-----	-----	-----	-----	
625	2 gal	7.27	8.85 mS/cm	22.7 °C	Clear
624	4 gal	7.30	9.04 mS/cm	23.2 °C	Clear
627	5 gal	7.31	9.20 mS/cm	23.3 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 628 Time Finished: 628

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: Dup sample MD-4 2546 taken here

Water Sampling Field Log

Well No.: PC-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy 60°F

Well Information:

Total Well Depth: 39.54 feet Time: 6:33

Depth to Water: 28.09 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
11.45 feet	* 0.16 gal/ft / * 0.65 gal/ft / * 1.47 gal/ft	= 183 gal.	*	3	=	6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:34	-----	-----	-----	-----	
6:36	2 gal	7.34	8.24 mS/cm	22.6 °C	clear
6:38	4 gal	7.31	8.13 mS/cm	23.1 °C	clear
6:40	6 gal	7.31	8.23 mS/cm	23.0 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:41 Time Finished: 6:41

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-13

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ◉ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: windy 60°F

Well Information:

Total Well Depth: 49.44 feet Time: 6:45

Depth to Water: 30.35 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):				Well Volume (WV)	Purge Factor	Purge Volume
19.09 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 305 gal.	* 3	= 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
647	-----	-----	-----	-----	
649	3 gal	7.29	7.83 mS/cm	22.6 °C	clear
651	6 gal	7.25	8.31 mS/cm	22.8 °C	clear
653	9 gal	7.25	8.21 mS/cm	22.8 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 654 Time Finished: 654

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-123

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 53°F slightly cloudy

Well Information:

Total Well Depth: 34.70 feet Time: 5:45

Depth to Water: 23.40 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 11.30 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.80 gal. * Purge Factor: 3 = **Purge Volume**: 5.42

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
5:49	-----	-----	-----	-----	
5:50	2 gal	7.0	9.05 mS/cm	22.2°C	clear
5:52	4 gal	7.19	9.14 mS/cm	22.8°C	clear
5:53	5 gal	7.21	9.11 mS/cm	23.1°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 5:54 Time Finished: 5:54

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-124

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 55°F

Well Information:

Total Well Depth: 34.60 feet Time: 602

Depth to Water: 25.19 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 9.41 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV) 1.50 gal. * Purge Factor 3 = Purge Volume 4.51

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:05	-----	-----	-----	-----	
6:06	2 gal	7.19	8.0 mS/cm	20.9 °C	slightly cloudy
6:08	4 gal	7.21	7.96 mS/cm	22.1 °C	same
6:09	5 gal	7.22	8.07 mS/cm	22.4 °C	slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 610 Time Finished: 610

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-125

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 56°F slightly cloudy

Well Information:

Total Well Depth: 33.50 feet Time: 6:13

Depth to Water: 23.55 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
9.95 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 1.59 gal.	* 3	= 4.77

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:15	-----	-----	-----	-----	
6:17	2 gal	7.21	7.85 mS/cm	22.2 °C	cloudy
6:18	4 gal	7.22	7.89 mS/cm	22.3 °C	cloudy
6:19	5 gal	7.23	805 mS/cm	22.7 °C	slightly cloudy
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 6:20 Time Finished: 6:20

Analyses:	pH / CLO4 / CR / TDS	pH / CLO4 / CR6 / TDS / CR
Bottles:	2 Bottles	3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-126

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 57°F

Well Information:

Total Well Depth: 34.30 feet Time: 6:24

Depth to Water: 22.53 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L): 11.77 feet * ~~0.16 gal/ft~~ * 0.65 gal/ft * 1.47 gal/ft = Well Volume (WV): 1.88 gal. * Purge Factor: 3 = **Purge Volume**: 5.64

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:26	-----	-----	-----	-----	
6:27	2 gal	7.06	13.87 mS/cm	22.1 °C	slightly cloudy
6:29	4 gal	7.07	14.04 mS/cm	22.4 °C	clear
6:30	6 gal	7.08	14.04 mS/cm	22.6 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:31 Time Finished: 6:31

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-127

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 58°F

Well Information:

Total Well Depth: 34.70 feet Time: 6:34

Depth to Water: 19.17 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
15.53 feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= 2.48 gal.	*	3	=	7.45

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:36	-----	-----	-----	-----	
6:38	3 gal	7.29	8.99 mS/cm	22.4 °C	Clear
6:40	5 gal	7.26	9.09 mS/cm	23.2 °C	Clear
6:41	7 gal	7.26	9.08 mS/cm	23.4 °C	Clear
	gal				
	gal				
	gal				

Sample Appearance: Clear

Sample Collection - Time Start: 6:41 Time Finished: 6:41

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-128

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 59°F

Well Information:

Total Well Depth: 34.70 feet Time: 6:46

Depth to Water: 18.79 feet

Well Diameter (circle one): 2-in. 4-in. 6-in

Height of Water Column (L)		Well Volume (WV)		Purge Factor		Purge Volume
15.91 feet	* ~~0.16 gal/ft~~ * 0.65 gal/ft * 1.47 gal/ft	= 2.54 gal.	*	3	=	7.63

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
6:48	-----	-----	-----	-----	
6:50	3 gal	7.41	6.62 mS/cm	23.7 °C	clear
6:52	6 gal	7.37	6.49 mS/cm	24.2 °C	clear
6:53	8 gal	7.36	6.51 mS/cm	23.8 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:54 Time Finished: 6:54

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: MD-3 · clear
Dup sample taken here
2 btls

Water Sampling Field Log

Well No.: PC-129

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 60's OF Windy

Well Information:

Total Well Depth: 49.70 feet Time: 5:25

Depth to Water: 18.84 feet

Height of Water Column (L): 30.86 feet * Well Diameter (circle one): 2-in. 0.16 gal/ft / 4-in. 0.65 gal/ft / 6-in * 1.47 gal/ft = Well Volume (WV): 4.93 gal. * Purge Factor: 3 = **Purge Volume**: 15 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
530	-----	-----	-----	-----	
533	5 gal	6.88	7.72 mS/cm	23.1 °C	cloudy
536	10 gal	7.11	8.01 mS/cm	23.1 °C	cloudy
540	15 gal	7.08	8.43 mS/cm	22.1 °C	cloudy
	gal				
	gal				
	gal				

Sample Appearance: cloudy

Sample Collection - Time Start: 542 Time Finished: 542

Analyses: pH / CLO4 / CR / TDS | pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles | 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-130

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-4-08

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Windy 61°F

Well Information:

Total Well Depth: 49.70 feet Time: 546

Depth to Water: 19.47 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L)				Well Volume (WV)	Purge Factor	Purge Volume
30.23 feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= 4.83 gal.	* 3	= 15 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
5:47	-----	-----	-----	-----	
5:50	5 gal	7.14	8.25mS/cm	22.7 °C	clear
5:53	10 gal	7.11	8.40mS/cm	22.9°C	clear
5:56	15 gal	7.09	8.40 mS/cm	22.9°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 557 Time Finished: 557

Analyses: (pH / CLO4 / CR / TDS) pH / CLO4 / CR6 / TDS / CR

Bottles: (2 Bottles) 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-131

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel, Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 61°F

Well Information:

Total Well Depth: 39.40 feet Time: _____

Depth to Water: 11.35 feet

Well Diameter (circle one): (2-in.) 4-in. 6-in

Height of Water Column (L):	Well Volume (WV)	Purge Factor	Purge Volume
28.05 feet * 0.16 gal/ft (2-in.) * 0.65 gal/ft (4-in.) * 1.47 gal/ft (6-in.)	= 4.48 gal.	* 3	= 13.46

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
7:10	-----	-----	-----	-----	
7:14	5 gal	7.06	13.41 mS/cm	23.6 °C	clear
7:17	10 gal	7.06	13.41 mS/cm	24.2 °C	clear
7:19	13 gal	7.06	13.46 mS/cm	24.5 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:20 Time Finished: 7:20

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-132

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Thomas McDaniel. Joe Espinoza Date: 11-3-08

Sampling Method: Electric Pump ● Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: 61°F

Well Information:

Total Well Depth: 39.70 feet Time: 7:22

Depth to Water: 9.86 feet

Well Diameter (circle one): 2-in. (4-in.) 6-in

Height of Water Column (L): 29.84 feet * ~~0.16 gal/ft~~ * 0.65 gal/ft * 1.47 gal/ft = 4.77 gal. * 3 = 14 gal

Well Volume (WV)	Purge Factor	Purge Volume
4.77 gal.	* 3	= 14 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
7:24	-----	-----	-----	-----	
7:27	5 gal	7.02	13.27 mS/cm	24.4 °C	clear
7:29	10 gal	7.03	13.28 mS/cm	25.0 °C	clear
7:31	14 gal	7.03	13.12 mS/cm	24.7 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:32 Time Finished: 7:32

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: FB-1 7:27 taken here 3 bottles

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Aug 04 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 247550
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 12 page[s].

MWH

BUILDING A BETTER WORLD

August 4, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 247550

Enclosed is MWH Laboratories Report 247550

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on July 15, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

None

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL: 626-386-1100
FAX: 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

247550

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Weekly - SO #12373

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4	TDS	CR	SAMPLER COMMENTS
5:30	7/14/08		ART-1	RSW	X		X	X		
5:30	7/14/08		ART-2	RSW	X		X	X		
5:30	7/14/08		ART-3	RSW	X		X	X		
5:30	7/14/08		ART-4	RSW	X		X	X		
5:30	7/14/08		ART-5	RSW	X		X	X		
5:30	7/14/08		ART-6	RSW	X		X	X		
5:30	7/14/08		ART-7	RSW	X		X	X		
5:30	7/14/08		ART-8	RSW	X		X	X		
0600	7/14/08		PC-99R2/R3	RSW	X		X	X		
0600	7/14/08		PC-115R	RSW	X		X	X		
0600	7/14/08		PC-116R	RSW	X		X	X		
0600	7/14/08		Seep Surface Flow	RSW	X		X	X		NO SAMPLE

* **MATRIX TYPES:**

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	7/14/2008	1200pm
RECEIVED BY:	Relaunch	JOE SANCHEZ	MWH	7-15-08	10am
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

247550

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12373

Sampler Signature: Michele Brown Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant LLC
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total ClO_4	TDS	CR												SAMPLER COMMENTS
6:00	7/14/08		SF-1	RSW	X		X	X													
6:00	7/14/08		PC-117	RSW	X		X	X													
6:00	7/14/08		PC-118	RSW	X		X	X													
6:00	7/14/08		PC-119	RSW	X		X	X													
6:00	7/14/08		PC-120	RSW	X		X	X													
6:00	7/14/08		PC-121	RSW	X		X	X													
6:00	7/14/08		PC-133	RSW	X		X	X													
5:30	7/14/08		ART-9	RSW	X		X	X													

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	7/14/2008	1200pm
RECEIVED BY:	Joe Sanchez	JOE SANCHEZ	MWLI	7-15-08	10=
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly Period

Andrew Eaton **Your MWL Project Manager**
(626) 386-1125 **Direct Phone/Voice Mail**

SO# 43259 12373 **RS**
0

Created by **MWH**
Order Date **06/18/08**

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	
30	CLO4, TDS,	1 250 ml poly /no preservative		
	SHEET OF LABELS WITH WELL-IDS	see comments section		

Important Comments

Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
Monthly effective 11-30-07

PC-117, PC-118, PC-119,
PC-120, and PC-121
PC-116R
PC-99R2
PC-99R3
PC-115R
ART-1
ART-2
ART-3
ART-4
ART-5
ART-6
ART-7
ART-8
Seep Surface Flow
SF-1"
Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
EXTRA BOTTLES INCLUDED
client code changed 7/25/03
Testcode updated 3-16-06
standing order changed 6-14-06
login note added 7-6-06 TDS

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143234

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	07/14/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS 1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
☒ Prepaid ☐ Collect		Henderson, NV
N/AR		

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly Art and PC Well Samples One Ice Chest @ 38 lbs		1 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:
The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 38	TOTAL TARE WEIGHT 0	38

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER Chuck Whitney	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS053008/21/24

Ship Date: 14JUL08
ActWgt: 38 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO # 143234
Invoice #
PO #
Dept #

TUE - 15JUL **A2**

TRK# 0201 7984 7894 1663

PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 247550
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **07/15/08.** They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2807150582	ART-1	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150586	ART-2	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150587	ART-3	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150588	ART-4	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150589	ART-5	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150590	ART-6	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150591	ART-7	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150592	ART-8	CLO4 TDS	Water	14-jul-2008 05:30:00
2807150593	PC-99R2/R3	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150594	PC-115R	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150596	PC-116R	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150597	SF-1	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150598	PC-117	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150599	PC-118	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150600	PC-119	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150601	PC-120	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150602	PC-121	CLO4 TDS	Water	14-jul-2008 06:00:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 247550
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2807150603	PC-133	CLO4 TDS	Water	14-jul-2008 06:00:00
2807150604	ART-9	CLO4 TDS	Water	14-jul-2008 05:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#247550

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

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Laboratory
Hits Report
#247550

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
15-jul-2008 19:14:49

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807150582	ART-1				
07/20/08	Perchlorate		97		ug/l	10
07/21/08	Total Dissolved Solid (TDS)		6850	500	mg/l	10
	2807150586	ART-2				
07/20/08	Perchlorate		79500		ug/l	20000
07/21/08	Total Dissolved Solid (TDS)		8100	500	mg/l	10
	2807150587	ART-3				
07/20/08	Perchlorate		322000		ug/l	20000
07/21/08	Total Dissolved Solid (TDS)		6950	500	mg/l	10
	2807150588	ART-4				
07/20/08	Perchlorate		325000		ug/l	20000
07/21/08	Total Dissolved Solid (TDS)		5850	500	mg/l	10
	2807150589	ART-5				
07/22/08	Perchlorate		777		ug/l	200
07/21/08	Total Dissolved Solid (TDS)		2730	500	mg/l	10
	2807150590	ART-6				
07/20/08	Perchlorate		331000		ug/l	20000
07/21/08	Total Dissolved Solid (TDS)		7200	500	mg/l	10
	2807150591	ART-7				

SUMMARY OF POSITIVE DATA ONLY.

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Hits Report
#247550

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
15-jul-2008 19:14:49

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807150591	**ART-7**				
07/20/08	Perchlorate		136000		ug/l	20000
07/21/08	Total Dissolved Solid (TDS)		9950	500	mg/l	10
	2807150592	**ART-8**				
07/20/08	Perchlorate		232000		ug/l	20000
07/21/08	Total Dissolved Solid (TDS)		8850	500	mg/l	10
	2807150593	**PC-99R2/R3**				
07/20/08	Perchlorate		11500		ug/l	2000
07/21/08	Total Dissolved Solid (TDS)		4620	500	mg/l	10
	2807150594	**PC-115R**				
07/20/08	Perchlorate		12000		ug/l	2000
07/21/08	Total Dissolved Solid (TDS)		4530	500	mg/l	10
	2807150596	**PC-116R**				
07/21/08	Perchlorate		8380		ug/l	2000
07/21/08	Total Dissolved Solid (TDS)		4090	500	mg/l	10
	2807150597	**SF-1**				
07/21/08	Total Dissolved Solid (TDS)		6400	500	mg/l	10
	2807150598	**PC-117**				
07/20/08	Perchlorate		2690		ug/l	400

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#247550

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
15-jul-2008 19:14:49

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807150598	**PC-117**				
07/21/08	Total Dissolved Solid (TDS)		3190	500	mg/l	10
	2807150599	**PC-118**				
07/20/08	Perchlorate		8290		ug/l	2000
07/21/08	Total Dissolved Solid (TDS)		4140	500	mg/l	10
	2807150600	**PC-119**				
07/21/08	Perchlorate		4080		ug/l	800
07/21/08	Total Dissolved Solid (TDS)		3200	500	mg/l	10
	2807150601	**PC-120**				
07/21/08	Perchlorate		2770		ug/l	800
07/21/08	Total Dissolved Solid (TDS)		3010	500	mg/l	10
	2807150602	**PC-121**				
07/22/08	Perchlorate		1350		ug/l	400
07/21/08	Total Dissolved Solid (TDS)		2540	500	mg/l	10
	2807150603	**PC-133**				
07/21/08	Perchlorate		2220		ug/l	800
07/21/08	Total Dissolved Solid (TDS)		3050	500	mg/l	10
	2807150604	**ART-9**				
07/21/08	Perchlorate		348000		ug/l	20000

SUMMARY OF POSITIVE DATA ONLY.

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Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
15-jul-2008 19:14:49

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807150604	ART-9				
07/21/08	Total Dissolved Solid (TDS)		6750	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#247550

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07/15/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2807150582) Sampled on 07/14/08 05:30								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	97	ug/l	10	5
07/21/08	07/21/08 15:00	439348	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6850	mg/l	10	1
ART-2 (2807150586) Sampled on 07/14/08 05:30								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	79500	ug/l	20000	5000
07/21/08	07/21/08 15:00	439348	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8100	mg/l	10	1
ART-3 (2807150587) Sampled on 07/14/08 05:30								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	322000	ug/l	20000	5000
07/21/08	07/21/08 15:00	439348	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6950	mg/l	10	1
ART-4 (2807150588) Sampled on 07/14/08 05:30								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	325000	ug/l	20000	5000
07/21/08	07/21/08 15:00	439348	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5850	mg/l	10	1
ART-5 (2807150589) Sampled on 07/14/08 05:30								
	07/22/08 13:34	439223	(EPA 314)	Perchlorate	777	ug/l	200	50
07/21/08	07/21/08 15:00	439348	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2730	mg/l	10	1
ART-6 (2807150590) Sampled on 07/14/08 05:30								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	331000	ug/l	20000	5000
07/21/08	07/21/08 15:00	439348	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7200	mg/l	10	1
ART-7 (2807150591) Sampled on 07/14/08 05:30								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	136000	ug/l	20000	5000
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9950	mg/l	10	1

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Laboratory
Data Report
#247550

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-8 (2807150592) Sampled on 07/14/08 05:30								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	232000	ug/l	20000	5000
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8850	mg/l	10	1
PC-99R2/R3 (2807150593) Sampled on 07/14/08 06:00								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	11500	ug/l	2000	500
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4620	mg/l	10	1
PC-115R (2807150594) Sampled on 07/14/08 06:00								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	12000	ug/l	2000	500
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4530	mg/l	10	1
PC-116R (2807150596) Sampled on 07/14/08 06:00								
	07/21/08 10:09	438797	(EPA 314)	Perchlorate	8380	ug/l	2000	500
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4090	mg/l	10	1
SF-1 (2807150597) Sampled on 07/14/08 06:00								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	ND	ug/l	10	5
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6400	mg/l	10	1
PC-117 (2807150598) Sampled on 07/14/08 06:00								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	2690	ug/l	400	100
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3190	mg/l	10	1
PC-118 (2807150599) Sampled on 07/14/08 06:00								
	07/20/08 01:34	438560	(EPA 314)	Perchlorate	8290	ug/l	2000	500
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4140	mg/l	10	1
PC-119 (2807150600) Sampled on 07/14/08 06:00								
	07/21/08 10:09	438797	(EPA 314)	Perchlorate	4080	ug/l	800	200
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3200	mg/l	10	1

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Laboratory
Data Report
#247550

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-120 (2807150601) Sampled on 07/14/08 06:00								
	07/21/08 10:09	438797	(EPA 314)	Perchlorate	2770	ug/l	800	200
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3010	mg/l	10	1
PC-121 (2807150602) Sampled on 07/14/08 06:00								
	07/22/08 13:34	439223	(EPA 314)	Perchlorate	1350	ug/l	400	100
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2540	mg/l	10	1
PC-133 (2807150603) Sampled on 07/14/08 06:00								
	07/21/08 10:09	438797	(EPA 314)	Perchlorate	2220	ug/l	800	200
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3050	mg/l	10	1
ART-9 (2807150604) Sampled on 07/14/08 05:30								
	07/21/08 10:09	438797	(EPA 314)	Perchlorate	348000	ug/l	20000	5000
07/21/08	07/21/08 16:00	439350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6750	mg/l	10	1

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Summary
#247550

Tronox LLC - Henderson

QC Ref #438560 - Perchlorate Analysis Date: 07/20/2008

2807150582	ART-1
2807150586	ART-2
2807150587	ART-3
2807150588	ART-4
2807150590	ART-6
2807150591	ART-7
2807150592	ART-8
2807150593	PC-99R2/R3
2807150594	PC-115R
2807150597	SF-1
2807150598	PC-117
2807150599	PC-118

QC Ref #438797 - Perchlorate Analysis Date: 07/21/2008

2807150596	PC-116R
2807150600	PC-119
2807150601	PC-120
2807150603	PC-133
2807150604	ART-9

QC Ref #439223 - Perchlorate Analysis Date: 07/22/2008

2807150589	ART-5
2807150602	PC-121

QC Ref #439348 - Total Dissolved Solid (TDS) Analysis Date: 07/21/2008

2807150582	ART-1
2807150586	ART-2
2807150587	ART-3
2807150588	ART-4
2807150589	ART-5
2807150590	ART-6

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Tronox LLC - Henderson
(continued)

QC Ref #439350 - Total Dissolved Solid (TDS) Analysis Date: 07/21/2008

2807150591	ART-7
2807150592	ART-8
2807150593	PC-99R2/R3
2807150594	PC-115R
2807150596	PC-116R
2807150597	SF-1
2807150598	PC-117
2807150599	PC-118
2807150600	PC-119
2807150601	PC-120
2807150602	PC-121
2807150603	PC-133
2807150604	ART-9

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Laboratory
QC Report
#247550

Tronox LLC - Henderson

QC Ref #438560 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07150564	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS3	Perchlorate	4	3.84	UGL	96.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
MSD	Perchlorate	25.0	23.0	UGL	92.0	(80-120)	
RPD_LCS	Perchlorate	104.400	103.200	UGL	1.2	(0-15)	
RPD_MS	Perchlorate	100.000	92.000	UGL	0.9	(0-15)	

QC Ref #438797 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07150616	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS2	Perchlorate	25.0	26.2	UGL	104.8	(85-115)	
LCS3	Perchlorate	4	3.91	UGL	97.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.8	UGL	99.2	(80-120)	
MSD	Perchlorate	25.0	25.7	UGL	102.8	(80-120)	
RPD_LCS	Perchlorate	104.400	104.800	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	99.200	102.800	UGL	1.0	(0-15)	

QC Ref #439223 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07080365	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.7	UGL	102.8	(85-115)	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS3	Perchlorate	4	4.26	UGL	106.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MS	Perchlorate	25.0	26.5	UGL	106.0	(80-120)
MSD	Perchlorate	25.0	24.8	UGL	99.2	(80-120)
RPD_LCS	Perchlorate	102.800	103.200	UGL	0.4	(0-15)
RPD_MS	Perchlorate	106.000	99.200	UGL	0.9	(0-15)

QC Ref #439348 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07140015	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	326	320	MGL		(0-10)	1.9
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	99.143	MGL	9.4	(0-20)	

QC Ref #439350 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150591	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	9850	9950	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	180	MGL	102.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	700	MGL	100.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	102.857	100.000	MGL	2.8	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Aug 13 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 248147
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

August 14, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 248147

Enclosed is MWH Laboratories Report 248147

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on July 18, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

None

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

248147

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: F C/05

SAMPLE TEMP, RECEIPT AT LAB: F

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO_4	TDS	CR	CLO3	NO3										SAMPLER COMMENTS
			M-83	RSW	X		X	X													NO SAMPLE
5:27	7/15/08		M-87	RSW	X		X	X													
10:00	7/17/08		PC-98R	RSW	X		X	X													
7:16	7/15/08		PC-86	RSW	X		X	X													
7:33	7/15/08		PC-90	RSW	X		X	X													
7:34	7/14/08		PC-56	RSW	X		X	X													
7:39	7/14/08		PC-58	RSW	X		X	X													
7:25	7/14/08		PC-59	RSW	X		X	X													
7:30	7/14/08		PC-60	RSW	X		X	X													
7:21	7/14/08		PC-62	RSW	X		X	X													
7:16	7/14/08		PC-68	RSW	X		X	X													
8:11	7/15/08		PC-122	RSW	X		X	X													

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	7/17/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		FIDEL CHAVEZ for WB		7/18	1030

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: FC 10C

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN / PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3: ClO_4	TDS	CR	CLO3	NO3										SAMPLER COMMENTS
9:23	7/17/08		MWK-4	RSW	X		X	X													
10:43	7/15/08		ARP-1	RSW	X		X	X													
			ARP-2	RSW	X		X	X													NO SAMPLE
			ARP-3	RSW	X		X	X													NO SAMPLE
9:09	7/17/08		ARP-4A	RSW	X		X	X													
8:57	7/17/08		ARP-5A	RSW	X		X	X													
8:48	7/17/08		ARP-6B	RSW	X		X	X													
			ARP-7	RSW	X		X	X													NO SAMPLE
8:13	7/17/08		PC-53	RSW	X		X	X													
9:33	7/17/08		PC-103	RSW	X		X	X													
8:26	7/17/08		MWK-5	RSW	X		X	X													

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	7/17/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	[illegible]	[illegible]	7-18	1030

C-O-C# 0

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: [signature]

SAMPLE TEMP, RECEIPT AT LAB: 5

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown [signature: Michele Brown]
Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
7:47	7/15/08		PC-91	RSW	X		X	X				
6:58	7/15/08		PC-97	RSW	X		X	X				
8:37	7/15/08		PC-17	RSW	X		X	X				
8:54	7/15/08		PC-18	RSW	X		X	X				
10:29	7/15/08		PC-55	RSW	X		X	X				
			PC-101R	RSW	X		X	X				NO SAMPLE
9:45	7/16/08		L-635	RSW	X		X	X				
10:20	7/16/08		L-637	RSW	X		X	X				

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	[signature: Michele Brown]	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	7/17/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY	[signature]	[illegible]	[illegible]	7-18	[illegible]

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP M Monthly Period
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

Andrew Eaton Your MWL Project Manager
(626) 386-1125 Direct Phone/Voice Mail

SO# 43260 12374 RS 0

Sampler: Please Return this Paper with your samples

created by MWH
rder Date 06/18/08
ate Needed y Client
ate Samples Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
1	CLO4, TDS	1 250 ml poly /no preservative		These sites are monthly till further notice. Shipping - please send bottles in cooler rather than a box
	SHEET OF LABELS WITH WELL-IDS	see comments section		PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R L-635, L-637 MW-K2, MW-K4 ARP-1, ARP-2, ARP-3, ARP-4 ARP-5, ARP-6, ARP-7, PC-53 PC-103, MW-K5, M-83 M-87 , PC-98R; PC-56, PC-58; PC-59, PC-60, PC-62, PC-68, PC-122
				Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
				EXTRA BOTTLES INCLUDED
				client code changed 7/25/03
				bottle order and IDs updated 9/9/03 testcodes updated 3-16-06 test changed from EC to TDS as

iveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 248147
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **07/18/08.** They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2807180210	M-87	CLO4 TDS	Water	15-jul-2008 05:27:00
2807180211	PC-98R	CLO4 TDS	Water	17-jul-2008 10:00:00
2807180212	PC-86	CLO4 TDS	Water	15-jul-2008 07:16:00
2807180213	PC-90	CLO4 TDS	Water	15-jul-2008 07:33:00
2807180214	PC-56	CLO4 TDS	Water	14-jul-2008 07:34:00
2807180215	PC-58	CLO4 TDS	Water	14-jul-2008 07:39:00
2807180216	PC-59	CLO4 TDS	Water	14-jul-2008 07:25:00
2807180217	PC-60	CLO4 TDS	Water	14-jul-2008 07:30:00
2807180218	PC-62	CLO4 TDS	Water	14-jul-2008 07:21:00
2807180219	PC-68	CLO4 TDS	Water	14-jul-2008 07:16:00
2807180220	PC-122	CLO4 TDS	Water	15-jul-2008 08:11:00
2807180221	MWK-4	CLO4 TDS	Water	17-jul-2008 09:23:00
2807180222	ARP-1	CLO4 TDS	Water	15-jul-2008 10:43:00
2807180223	ARP-4A	CLO4 TDS	Water	17-jul-2008 09:09:00
2807180224	ARP-5A	CLO4 TDS	Water	17-jul-2008 08:57:00
2807180225	ARP-6B	CLO4 TDS	Water	17-jul-2008 08:48:00
2807180226	PC-53	CLO4 TDS	Water	17-jul-2008 08:13:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 248147
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2807180227	PC-103	CLO4 TDS	Water	17-jul-2008 09:33:00
2807180228	MWK-5	CLO4 TDS	Water	17-jul-2008 08:26:00
2807180229	PC-91	CLO4 TDS	Water	15-jul-2008 07:47:00
2807180230	PC-97	CLO4 TDS	Water	15-jul-2008 06:58:00
2807180231	PC-17	CLO4 TDS	Water	15-jul-2008 08:37:00
2807180232	PC-18	CLO4 TDS	Water	15-jul-2008 08:54:00
2807180233	PC-55	CLO4 TDS	Water	15-jul-2008 10:29:00
2807180234	L-635	CLO4 TDS	Water	16-jul-2008 09:45:00
2807180235	L-637	CLO4 TDS	Water	16-jul-2008 10:20:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#248147

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#248147

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
18-jul-2008 13:04:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807180210	**M-87**				
08/02/08	Perchlorate		278000		ug/l	20000
07/22/08	Total Dissolved Solid (TDS)		3580	500	mg/l	10
	2807180211	**PC-98R**				
08/02/08	Perchlorate		19100		ug/l	2000
07/22/08	Total Dissolved Solid (TDS)		6850	500	mg/l	10
	2807180212	**PC-86**				
08/02/08	Perchlorate		1290		ug/l	80
07/22/08	Total Dissolved Solid (TDS)		2520	500	mg/l	10
	2807180213	**PC-90**				
08/02/08	Perchlorate		9110		ug/l	2000
07/22/08	Total Dissolved Solid (TDS)		3640	500	mg/l	10
	2807180214	**PC-56**				
08/01/08	Perchlorate		4950		ug/l	400
07/21/08	Total Dissolved Solid (TDS)		3500	500	mg/l	10
	2807180215	**PC-58**				
08/02/08	Perchlorate		4080		ug/l	400
07/21/08	Total Dissolved Solid (TDS)		5570	500	mg/l	10
	2807180216	**PC-59**				

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Hits Report
#248147

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
18-jul-2008 13:04:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807180216	**PC-59**				
08/02/08	Perchlorate		7400		ug/l	400
07/21/08	Total Dissolved Solid (TDS)		4290	500	mg/l	10
	2807180217	**PC-60**				
08/01/08	Perchlorate		6440		ug/l	400
07/21/08	Total Dissolved Solid (TDS)		4160	500	mg/l	10
	2807180218	**PC-62**				
08/02/08	Perchlorate		2860		ug/l	200
07/21/08	Total Dissolved Solid (TDS)		3210	500	mg/l	10
	2807180219	**PC-68**				
07/30/08	Perchlorate		887		ug/l	40
07/21/08	Total Dissolved Solid (TDS)		2000	500	mg/l	10
	2807180220	**PC-122**				
08/02/08	Perchlorate		11600		ug/l	2000
07/22/08	Total Dissolved Solid (TDS)		8200	500	mg/l	10
	2807180221	**MWK-4**				
08/02/08	Perchlorate		89400		ug/l	8000
07/24/08	Total Dissolved Solid (TDS)		5100	500	mg/l	10
	2807180222	**ARP-1**				

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Samples Received
18-jul-2008 13:04:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807180222	**ARP-1**				
07/30/08	Perchlorate		2220		ug/l	200
07/22/08	Total Dissolved Solid (TDS)		6130	500	mg/l	10
	2807180223	**ARP-4A**				
08/02/08	Perchlorate		33900		ug/l	4000
07/24/08	Total Dissolved Solid (TDS)		6400	500	mg/l	10
	2807180224	**ARP-5A**				
08/02/08	Perchlorate		26500		ug/l	4000
07/24/08	Total Dissolved Solid (TDS)		8040	500	mg/l	10
	2807180225	**ARP-6B**				
08/02/08	Perchlorate		16900		ug/l	800
07/24/08	Total Dissolved Solid (TDS)		9350	500	mg/l	10
	2807180226	**PC-53**				
08/02/08	Perchlorate		1850		ug/l	200
07/24/08	Total Dissolved Solid (TDS)		4340	500	mg/l	10
	2807180227	**PC-103**				
08/02/08	Perchlorate		10300		ug/l	800
07/24/08	Total Dissolved Solid (TDS)		4600	500	mg/l	10
	2807180228	**MWK-5**				

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807180228	**MWK-5**				
08/02/08	Perchlorate		13200		ug/l	800
07/24/08	Total Dissolved Solid (TDS)		6550	500	mg/l	10
	2807180229	**PC-91**				
07/30/08	Perchlorate		11100		ug/l	800
07/22/08	Total Dissolved Solid (TDS)		7150	500	mg/l	10
	2807180230	**PC-97**				
07/30/08	Perchlorate		477		ug/l	20
07/22/08	Total Dissolved Solid (TDS)		2230	500	mg/l	10
	2807180231	**PC-17**				
07/30/08	Perchlorate		173000		ug/l	20000
07/22/08	Total Dissolved Solid (TDS)		8900	500	mg/l	10
	2807180232	**PC-18**				
07/30/08	Perchlorate		196000		ug/l	20000
07/22/08	Total Dissolved Solid (TDS)		8150	500	mg/l	10
	2807180233	**PC-55**				
07/30/08	Perchlorate		908		ug/l	80
07/22/08	Total Dissolved Solid (TDS)		6900	500	mg/l	10
	2807180234	**L-635**				

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18-jul-2008 13:04:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2807180234	**L-635**				
07/22/08	Total Dissolved Solid (TDS)		6400	500	mg/l	10
	2807180235	**L-637**				
07/22/08	Total Dissolved Solid (TDS)		5950	500	mg/l	10

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Samples Received
07/18/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2807180210)			**Sampled on 07/15/08 05:27**					
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	278000	ug/l	20000	5000
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3580	mg/l	10	1
PC-98R (2807180211)			**Sampled on 07/17/08 10:00**					
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	19100	ug/l	2000	500
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6850	mg/l	10	1
PC-86 (2807180212)			**Sampled on 07/15/08 07:16**					
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	1290	ug/l	80	20
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2520	mg/l	10	1
PC-90 (2807180213)			**Sampled on 07/15/08 07:33**					
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	9110	ug/l	2000	500
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3640	mg/l	10	1
PC-56 (2807180214)			**Sampled on 07/14/08 07:34**					
	08/01/08 01:57	442493	(EPA 314)	Perchlorate	4950	ug/l	400	100
07/21/08	07/21/08 17:00	439463	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3500	mg/l	10	1
PC-58 (2807180215)			**Sampled on 07/14/08 07:39**					
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	4080	ug/l	400	100
07/21/08	07/21/08 17:00	439463	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5570	mg/l	10	1
PC-59 (2807180216)			**Sampled on 07/14/08 07:25**					
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	7400	ug/l	400	100
07/21/08	07/21/08 17:00	439463	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4290	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-60 (2807180217) Sampled on 07/14/08 07:30								
	08/01/08 01:57	442493	(EPA 314)	Perchlorate	6440	ug/l	400	100
07/21/08	07/21/08 17:00	439463	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4160	mg/l	10	1
PC-62 (2807180218) Sampled on 07/14/08 07:21								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	2860	ug/l	200	50
07/21/08	07/21/08 17:00	439463	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3210	mg/l	10	1
PC-68 (2807180219) Sampled on 07/14/08 07:16								
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	887	ug/l	40	10
07/21/08	07/21/08 17:00	439463	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2000	mg/l	10	1
PC-122 (2807180220) Sampled on 07/15/08 08:11								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	11600	ug/l	2000	500
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8200	mg/l	10	1
MWK-4 (2807180221) Sampled on 07/17/08 09:23								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	89400	ug/l	8000	2000
07/24/08	07/24/08 10:00	441310	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5100	mg/l	10	1
ARP-1 (2807180222) Sampled on 07/15/08 10:43								
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	2220	ug/l	200	50
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6130	mg/l	10	1
ARP-4A (2807180223) Sampled on 07/17/08 09:09								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	33900	ug/l	4000	1000
07/24/08	07/24/08 10:00	441310	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6400	mg/l	10	1
ARP-5A (2807180224) Sampled on 07/17/08 08:57								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	26500	ug/l	4000	1000
07/24/08	07/24/08 10:00	441310	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8040	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ARP-6B (2807180225) Sampled on 07/17/08 08:48								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	16900	ug/l	800	200
07/24/08	07/24/08 10:00	441310	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9350	mg/l	10	1
PC-53 (2807180226) Sampled on 07/17/08 08:13								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	1850	ug/l	200	50
07/24/08	07/24/08 10:00	441310	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4340	mg/l	10	1
PC-103 (2807180227) Sampled on 07/17/08 09:33								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	10300	ug/l	800	200
07/24/08	07/24/08 10:00	441310	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4600	mg/l	10	1
MWK-5 (2807180228) Sampled on 07/17/08 08:26								
	08/02/08 10:04	442120	(EPA 314)	Perchlorate	13200	ug/l	800	200
07/24/08	07/24/08 10:00	441310	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6550	mg/l	10	1
PC-91 (2807180229) Sampled on 07/15/08 07:47								
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	11100	ug/l	800	200
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7150	mg/l	10	1
PC-97 (2807180230) Sampled on 07/15/08 06:58								
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	477	ug/l	20	5
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2230	mg/l	10	1
PC-17 (2807180231) Sampled on 07/15/08 08:37								
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	173000	ug/l	20000	5000
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8900	mg/l	10	1
PC-18 (2807180232) Sampled on 07/15/08 08:54								
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	196000	ug/l	20000	5000
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8150	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-55 (2807180233)			**Sampled on 07/15/08 10:29**					
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	908	ug/l	80	20
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6900	mg/l	10	1
L-635 (2807180234)			**Sampled on 07/16/08 09:45**					
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	ND	ug/l	10	5
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6400	mg/l	10	1
L-637 (2807180235)			**Sampled on 07/16/08 10:20**					
	07/30/08 16:28	441396	(EPA 314)	Perchlorate	ND	ug/l	10	5
07/22/08	07/22/08 13:00	440544	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5950	mg/l	10	1

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QC Summary
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Tronox LLC - Henderson

QC Ref #439463 - Total Dissolved Solid (TDS) **Analysis Date: 07/21/2008**

2807180214	PC-56	Analyzed by: axa
2807180215	PC-58	Analyzed by: axa
2807180216	PC-59	Analyzed by: axa
2807180217	PC-60	Analyzed by: axa
2807180218	PC-62	Analyzed by: axa
2807180219	PC-68	Analyzed by: axa

QC Ref #440544 - Total Dissolved Solid (TDS) **Analysis Date: 07/22/2008**

2807180210	M-87	Analyzed by: axa
2807180211	PC-98R	Analyzed by: axa
2807180212	PC-86	Analyzed by: axa
2807180213	PC-90	Analyzed by: axa
2807180220	PC-122	Analyzed by: axa
2807180222	ARP-1	Analyzed by: axa
2807180229	PC-91	Analyzed by: axa
2807180230	PC-97	Analyzed by: axa
2807180231	PC-17	Analyzed by: axa
2807180232	PC-18	Analyzed by: axa
2807180233	PC-55	Analyzed by: axa
2807180234	L-635	Analyzed by: axa
2807180235	L-637	Analyzed by: axa

QC Ref #441310 - Total Dissolved Solid (TDS) **Analysis Date: 07/24/2008**

2807180221	MWK-4	Analyzed by: axa
2807180223	ARP-4A	Analyzed by: axa
2807180224	ARP-5A	Analyzed by: axa
2807180225	ARP-6B	Analyzed by: axa
2807180226	PC-53	Analyzed by: axa
2807180227	PC-103	Analyzed by: axa
2807180228	MWK-5	Analyzed by: axa

QC Ref #441396 - Perchlorate **Analysis Date: 07/30/2008**

2807180219	PC-68	Analyzed by: ser
2807180222	ARP-1	Analyzed by: ser
2807180229	PC-91	Analyzed by: ser
2807180230	PC-97	Analyzed by: ser
2807180231	PC-17	Analyzed by: ser

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Tronox LLC - Henderson
(continued)

2807180232	PC-18	Analyzed by: ser
2807180233	PC-55	Analyzed by: ser
2807180234	L-635	Analyzed by: ser
2807180235	L-637	Analyzed by: ser

QC Ref #442120 - Perchlorate **Analysis Date: 08/02/2008**

2807180210	M-87	Analyzed by: ser
2807180211	PC-98R	Analyzed by: ser
2807180212	PC-86	Analyzed by: ser
2807180213	PC-90	Analyzed by: ser
2807180215	PC-58	Analyzed by: ser
2807180216	PC-59	Analyzed by: ser
2807180218	PC-62	Analyzed by: ser
2807180220	PC-122	Analyzed by: ser
2807180221	MWK-4	Analyzed by: ser
2807180223	ARP-4A	Analyzed by: ser
2807180224	ARP-5A	Analyzed by: ser
2807180225	ARP-6B	Analyzed by: ser
2807180226	PC-53	Analyzed by: ser
2807180227	PC-103	Analyzed by: ser
2807180228	MWK-5	Analyzed by: ser

QC Ref #442493 - Perchlorate **Analysis Date: 08/01/2008**

2807180214	PC-56	Analyzed by: ser
2807180217	PC-60	Analyzed by: ser

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QC Ref #439463 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07150158	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	596	598	MGL		(0-10)	0.3
LCS1	Total Dissolved Solid (TDS)	175	182	MGL	104.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	706	MGL	100.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	15	MGL	150.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	104.000	100.857	MGL	3.1	(0-20)	

QC Ref #440544 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07160178	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	350	332	MGL		(0-10)	5.3
LCS1	Total Dissolved Solid (TDS)	175	196	MGL	112.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	112.000	100.286	MGL	11.0	(0-20)	

QC Ref #441310 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	07180194	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	404	412	MGL		(0-10)	2.0
LCS1	Total Dissolved Solid (TDS)	175	192	MGL	109.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	686	MGL	98.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	109.714	98.000	MGL	11.3	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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(continued)

QC Ref #441396 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07180193	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.2	UGL	96.8	(85-115)	
LCS2	Perchlorate	25.0	23.6	UGL	94.4	(85-115)	
LCS3	Perchlorate	4	4.03	UGL	100.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.5	UGL	90.0	(80-120)	
MSD	Perchlorate	25.0	22.3	UGL	89.2	(80-120)	
RPD_LCS	Perchlorate	96.800	94.400	UGL	2.5	(0-15)	
RPD_MS	Perchlorate	90.000	89.200	UGL	1.0	(0-15)	

QC Ref #442120 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07220064	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS3	Perchlorate	4	3.93	UGL	98.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	98.000	96.400	UGL	1.6	(0-15)	
RPD_MS	Perchlorate	96.000	96.000	UGL	1.0	(0-15)	

QC Ref #442493 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07300037	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
LCS2	Perchlorate	25.0	22.3	UGL	89.2	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

LCS3	Perchlorate	4	3.72	UGL	93.0	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	25.1	UGL	100.4	(80-120)
MSD	Perchlorate	25.0	24.8	UGL	99.2	(80-120)
RPD_LCS	Perchlorate	95.200	89.200	UGL	6.5	(0-15)
RPD_MS	Perchlorate	100.400	99.200	UGL	1.0	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 04 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 249697
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 22 page[s].

MWH

BUILDING A BETTER WORLD

September 4, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 249697

Enclosed is MWH Laboratories Report 249697

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 5, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Samples for hexavalent chromium were received past the RCRA 24 hour holding time.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Several samples had TDS values that were not consistent with historical data or the conductivity. Those samples was rechecked to confirm original values.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

[illegible]

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

249697

750 Royal Oaks Ave. Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS / JS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order								SAMPLER Comments
411	8-4-08		PC-123	RGW	X		X	X	X	X												2 Bottles
425	8-4-08		PC-124	RGW	X		X	X	X	X												2 Bottles
437	8-4-08		PC-125	RGW	X		X	X	X	X												2 Bottles
450	8-4-08		PC-126	RGW	X		X	X	X	X												2 Bottles
503	8-4-08		PC-127	RGW	X		X	X	X	X												2 Bottles
518	8-4-08		PC-128	RGW	X		X	X	X	X												2 Bottles
534	8-4-08		PC-129	RGW	X		X	X	X	X												2 Bottles
552	8-4-08		PC-130	RGW	X		X	X	X	X												2 Bottles
608	8-4-08		PC-131	RGW	X		X	X	X	X												2 Bottles
624	8-4-08		PC-132	RGW	X		X	X	X	X												2 Bottles
851	8-4-08		N-96	RGW	X		X	X	X	X												2 Bottles
652	8-4-08		PC-54	RGW	X		X	X	X	X												2 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-4-08	12:00PM
RECEIVED BY:	Joe Sanchez	JOE SANCHEZ	MWH	8-5-08	10:20
RELINQUISHED BY:					
RECEIVED BY					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS/JS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown

Michelle Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
921	8-4-08		M-48	RGW	X		X	X	X	X					2 Bottles
723	8-4-08		PC-M1	RGW	X		X	X	X	X					2 Bottles
735	8-4-08		PC-M2	RGW	X		X	X	X	X					2 Bottles
754	8-4-08		PC-M3	RGW	X		X	X	X	X					2 Bottles
814	8-4-08		PC-3M	RGW	X		X	X	X	X					2 Bottles
834	8-4-08		M-23	RGW	X		X	X	X	X					2 Bottles
1038	8-4-08		M-95	RGW	X		X	X	X	X	X				3 Bottles
1000	8-4-08		M-44	RGW	X		X	X	X	X	X				3 Bottles
1001	8-4-08		FB-1	RGW	X		X	X	X	X	X				3 Bottles
—	8-4-08		MD-3	RGW	X		X	X	X	X					2 Bottles
—	8-4-08		MD-4	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michelle Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-4-08	12:00PM
RECEIVED BY:	Joe Sanchez	Joe Sanchez	MWL	8/5/08	10:20
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Week 1
Period

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 43379 33899 RS
0

Created by MWH
Order Date 06/23/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143272

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/04/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES
☒ Prepaid ☐ Collect

N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
		Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 62 Lbs One ice chest @ 48 Lbs Not Regulated		2 COOLERS

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:
The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 110	TOTAL TARE WEIGHT 0	110

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702) 651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

JCLS868488/2823

Ship Date: 04AUG08
ActWgt: 62.0 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: (626) 568-6400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

Ref # MSO #143272
Invoice #
PO #
Dept #

TUE - 05AUG **A2**

TRK# 0201 7960 4499 7870

PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249697
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/05/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808050610	PC-123		Water	04-aug-2008 04:11:00
		CLO4 CR6010 P PH9040 T TDS		
2808050611	PC-124		Water	04-aug-2008 04:25:00
		CLO4 CR6010 P PH9040 T TDS		
2808050612	PC-125		Water	04-aug-2008 04:37:00
		CLO4 CR6010 P PH9040 T TDS		
2808050613	PC-126		Water	04-aug-2008 04:50:00
		CLO4 CR6010 P PH9040 T TDS		
2808050614	PC-127		Water	04-aug-2008 05:03:00
		CLO4 CR6010 P PH9040 T TDS		
2808050615	PC-128		Water	04-aug-2008 05:18:00
		CLO4 CR6010 P PH9040 T TDS		
2808050616	PC-129		Water	04-aug-2008 05:34:00
		CLO4 CR6010 P PH9040 T TDS		
2808050617	PC-130		Water	04-aug-2008 05:52:00
		CLO4 CR6010 P PH9040 T TDS		
2808050618	PC-131		Water	04-aug-2008 06:08:00
		CLO4 CR6010 P PH9040 T TDS		
2808050619	PC-132		Water	04-aug-2008 06:24:00
		CLO4 CR6010 P PH9040 T TDS		
2808050620	M-96		Water	04-aug-2008 08:51:00
		CLO4 CR6010 P PH9040 T TDS		
2808050621	PC-54		Water	04-aug-2008 06:52:00
		CLO4 CR6010 P PH9040 T TDS		
2808050622	M-48		Water	04-aug-2008 09:21:00
		CLO4 CR6010 P PH9040 T TDS		
2808050623	PC-71		Water	04-aug-2008 07:23:00
		CLO4 CR6010 P PH9040 T TDS		
2808050624	PC-72		Water	04-aug-2008 07:35:00
		CLO4 CR6010 P PH9040 T TDS		
2808050625	PC-73		Water	04-aug-2008 07:54:00
		CLO4 CR6010 P PH9040 T TDS		
2808050626	PC-37		Water	04-aug-2008 08:14:00
		CLO4 CR6010 P PH9040 T TDS		

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249697
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808050627	M-23	CLO4 CR6010 P PH9040 T TDS	Water	04-aug-2008 08:34:00
2808050628	M-95	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	04-aug-2008 10:30:00
2808050629	M-44	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	04-aug-2008 10:00:00
2808050630	FB-1	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	04-aug-2008 10:01:00
2808050631	MD-3	CLO4 CR6010 P PH9040 T TDS	Water	04-aug-2008 00:00:00
2808050632	MD-4	CLO4 CR6010 P PH9040 T TDS	Water	04-aug-2008 00:00:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel. 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#249697

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#249697

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-aug-2008 19:59:32

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808050610	**PC-123**				
08/17/08	Chromium, Total, ICAP		1.8		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/12/08	Perchlorate		415000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		5030	500	mg/l	10
	2808050611	**PC-124**				
08/17/08	Chromium, Total, ICAP		0.026		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		4580		ug/l	400
08/06/08	Total Dissolved Solid (TDS)		6190	500	mg/l	10
	2808050612	**PC-125**				
08/17/08	Chromium, Total, ICAP		0.033		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		5780		ug/l	400
08/06/08	Total Dissolved Solid (TDS)		6950	500	mg/l	10
	2808050613	**PC-126**				
08/17/08	Chromium, Total, ICAP		0.10		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/14/08	Perchlorate		12700		ug/l	800
08/06/08	Total Dissolved Solid (TDS)		11600	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#249697

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-aug-2008 19:59:32

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808050614	**PC-127**				
	2808050614	**PC-127**				
08/17/08	Chromium, Total, ICAP		1.8		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		438000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		7450	500	mg/l	10
	2808050615	**PC-128**				
08/17/08	Chromium, Total, ICAP		0.15		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/14/08	Perchlorate		198000		ug/l	8000
08/06/08	Total Dissolved Solid (TDS)		5610	500	mg/l	10
	2808050616	**PC-129**				
08/17/08	Chromium, Total, ICAP		0.70		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		418000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		7660	500	mg/l	10
	2808050617	**PC-130**				
08/17/08	Chromium, Total, ICAP		0.78		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010

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Laboratory
Hits Report
#249697

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-aug-2008 19:59:32

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808050617	**PC-130**				
08/14/08	Perchlorate		458000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		6710	500	mg/l	10
	2808050618	**PC-131**				
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/14/08	Perchlorate		7830		ug/l	800
08/06/08	Total Dissolved Solid (TDS)		7200	500	mg/l	10
	2808050619	**PC-132**				
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		2420		ug/l	200
08/06/08	Total Dissolved Solid (TDS)		5950	500	mg/l	10
	2808050620	**M-96**				
08/17/08	Chromium, Total, ICAP		1.2		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/14/08	Perchlorate		312000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		6490	500	mg/l	10
	2808050621	**PC-54**				
08/17/08	Chromium, Total, ICAP		2.2		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808050621	**PC-54**				
08/14/08	Perchlorate		276000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		6270	500	mg/l	10
	2808050622	**M-48**				
08/17/08	Chromium, Total, ICAP		1.5		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/14/08	Perchlorate		225000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		3270	500	mg/l	10
	2808050623	**PC-71**				
08/17/08	Chromium, Total, ICAP		0.39		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		468000		ug/l	40000
08/06/08	Total Dissolved Solid (TDS)		8270	500	mg/l	10
	2808050624	**PC-72**				
08/17/08	Chromium, Total, ICAP		0.28		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/06/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		293000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		7880	500	mg/l	10
	2808050625	**PC-73**				
08/17/08	Chromium, Total, ICAP		0.40		mg/l	0.010

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808050625	PC-73				
08/15/08	Metals digestion performed.		Y		Yes/No	
08/06/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/14/08	Perchlorate		358000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		6270	500	mg/l	10
	2808050626	PC-37				
08/17/08	Chromium, Total, ICAP		0.18		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/06/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/14/08	Perchlorate		319000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		6810	500	mg/l	10
	2808050627	M-23				
08/17/08	Chromium, Total, ICAP		0.77		mg/l	0.010
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/14/08	Perchlorate		493000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		5260	500	mg/l	10
	2808050628	M-95				
08/17/08	Chromium, Total, ICAP		1.3		mg/l	0.020
08/05/08	Hexavalent chromium (Cr VI)		1.3		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/14/08	Perchlorate		508000		ug/l	40000
08/06/08	Total Dissolved Solid (TDS)		7390	500	mg/l	10

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05-aug-2008 19:59:32

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808050629	M-44				
	2808050629	M-44				
08/17/08	Chromium, Total, ICAP		0.84		mg/l	0.020
08/05/08	Hexavalent chromium (Cr VI)		0.81		mg/l	0.025
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		720000		ug/l	40000
08/06/08	Total Dissolved Solid (TDS)		7930	500	mg/l	10
	2808050630	FB-1				
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		5.9		Units	0.0010
	2808050631	MD-3				
08/18/08	Chromium, Total, ICAP		0.39		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/06/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/14/08	Perchlorate		451000		ug/l	20000
08/06/08	Total Dissolved Solid (TDS)		8050	500	mg/l	10
	2808050632	MD-4				
08/18/08	Chromium, Total, ICAP		0.80		mg/l	0.010
08/15/08	Metals digestion performed.		Y		Yes/No	
08/06/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/14/08	Perchlorate		514000		ug/l	40000
08/06/08	Total Dissolved Solid (TDS)		4720	500	mg/l	10

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Samples Received
05-aug-2008 19:59:32

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808050632	MD-4				

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Samples Received
08/05/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-123 (2808050610) Sampled on 08/04/08 04:11								
	08/12/08 16:10	444058	(EPA 314)	Perchlorate	415000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	1.8	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 16:00	443151	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5030	mg/l	10	1
PC-124 (2808050611) Sampled on 08/04/08 04:25								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	4580	ug/l	400	100
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.026	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6190	mg/l	10	1
PC-125 (2808050612) Sampled on 08/04/08 04:37								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	5780	ug/l	400	100
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.033	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6950	mg/l	10	1
PC-126 (2808050613) Sampled on 08/04/08 04:50								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	12700	ug/l	800	200
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.10	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11600	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-127 (2808050614) Sampled on 08/04/08 05:03								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	438000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	1.8	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7450	mg/l	10	1
PC-128 (2808050615) Sampled on 08/04/08 05:18								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	198000	ug/l	8000	2000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.15	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5610	mg/l	10	1
PC-129 (2808050616) Sampled on 08/04/08 05:34								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	418000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.70	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7660	mg/l	10	1
PC-130 (2808050617) Sampled on 08/04/08 05:52								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	458000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.78	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6710	mg/l	10	1
PC-131 (2808050618) Sampled on 08/04/08 06:08								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	7830	ug/l	800	200
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 14:14	443189	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7200	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-132 (2808050619) Sampled on 08/04/08 06:24								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	2420	ug/l	200	50
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5950	mg/l	10	1
M-96 (2808050620) Sampled on 08/04/08 08:51								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	312000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6490	mg/l	10	1
PC-54 (2808050621) Sampled on 08/04/08 06:52								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	276000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	2.2	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6270	mg/l	10	1
M-48 (2808050622) Sampled on 08/04/08 09:21								
	08/14/08 15:19	444336	(EPA 314)	Perchlorate	225000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	1.5	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3270	mg/l	10	1
PC-71 (2808050623) Sampled on 08/04/08 07:23								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	468000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.39	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8270	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-72 (2808050624) Sampled on 08/04/08 07:35								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	293000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.28	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7880	mg/l	10	1
PC-73 (2808050625) Sampled on 08/04/08 07:54								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	358000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.40	mg/l	0.010	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6270	mg/l	10	1
PC-37 (2808050626) Sampled on 08/04/08 08:14								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	319000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.18	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6810	mg/l	10	1
M-23 (2808050627) Sampled on 08/04/08 08:34								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	493000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.77	mg/l	0.010	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5260	mg/l	10	1
M-95 (2808050628) Sampled on 08/04/08 10:30								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	508000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	1.3	mg/l	0.020	2
	08/05/08 18:02	442725	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	1.3	mg/l	0.050	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7390	mg/l	10	1

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Laboratory
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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-44 (2808050629) Sampled on 08/04/08 10:00								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	720000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445529	(ML/EPA 6010B)	Chromium, Total, ICAP	0.84	mg/l	0.020	2
	08/05/08 18:02	442725	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.81	mg/l	0.025	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7930	mg/l	10	1
FB-1 (2808050630) Sampled on 08/04/08 10:01								
	08/14/08 03:44	444265	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	08/05/08 18:02	442725	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 16:05	443190	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	5.9	Units	0.0010	1
08/06/08	08/06/08 09:30	444184	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
MD-3 (2808050631) Sampled on 08/04/08 00:00								
	08/14/08 15:19	444336	(EPA 314)	Perchlorate	451000	ug/l	20000	5000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	0.39	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/06/08	08/06/08 14:30	443860	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8050	mg/l	10	1
MD-4 (2808050632) Sampled on 08/04/08 00:00								
	08/14/08 15:19	444336	(EPA 314)	Perchlorate	514000	ug/l	40000	10000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	0.80	mg/l	0.010	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/06/08	08/06/08 14:30	443860	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4720	mg/l	10	1

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QC Ref #0 - Metals Turbidity **Analysis Date: 08/06/2008**

2808050610	PC-123	Analyzed by: jrf
2808050610	PC-123	Analyzed by: jrf
2808050611	PC-124	Analyzed by: jrf
2808050611	PC-124	Analyzed by: jrf
2808050612	PC-125	Analyzed by: jrf
2808050612	PC-125	Analyzed by: jrf
2808050613	PC-126	Analyzed by: jrf
2808050613	PC-126	Analyzed by: jrf
2808050614	PC-127	Analyzed by: jrf
2808050614	PC-127	Analyzed by: jrf
2808050615	PC-128	Analyzed by: jrf
2808050615	PC-128	Analyzed by: jrf
2808050616	PC-129	Analyzed by: jrf
2808050616	PC-129	Analyzed by: jrf
2808050617	PC-130	Analyzed by: jrf
2808050617	PC-130	Analyzed by: jrf
2808050618	PC-131	Analyzed by: jrf
2808050618	PC-131	Analyzed by: jrf
2808050619	PC-132	Analyzed by: jrf
2808050619	PC-132	Analyzed by: jrf
2808050620	M-96	Analyzed by: jrf
2808050620	M-96	Analyzed by: jrf
2808050621	PC-54	Analyzed by: jrf
2808050621	PC-54	Analyzed by: jrf
2808050622	M-48	Analyzed by: jrf
2808050622	M-48	Analyzed by: jrf
2808050623	PC-71	Analyzed by: jrf
2808050623	PC-71	Analyzed by: jrf
2808050624	PC-72	Analyzed by: jrf
2808050624	PC-72	Analyzed by: jrf
2808050625	PC-73	Analyzed by: jrf
2808050625	PC-73	Analyzed by: jrf
2808050626	PC-37	Analyzed by: jrf
2808050626	PC-37	Analyzed by: jrf
2808050627	M-23	Analyzed by: jrf
2808050627	M-23	Analyzed by: jrf
2808050628	M-95	Analyzed by: jrf
2808050628	M-95	Analyzed by: jrf
2808050629	M-44	Analyzed by: jrf
2808050629	M-44	Analyzed by: jrf
2808050630	FB-1	Analyzed by: jrf
2808050630	FB-1	Analyzed by: jrf
2808050631	MD-3	Analyzed by: jrf

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2808050631	MD-3	Analyzed by: jrf
2808050632	MD-4	Analyzed by: jrf
2808050632	MD-4	Analyzed by: jrf

QC Ref #442725 - Hexavalent chromium (Cr VI) Analysis Date: 08/05/2008

2808050628	M-95	Analyzed by: azs
2808050629	M-44	Analyzed by: azs
2808050630	FB-1	Analyzed by: azs

QC Ref #443151 - Total Dissolved Solid (TDS) Analysis Date: 08/06/2008

2808050610	PC-123	Analyzed by: axa

QC Ref #443167 - PH (H3=past HT, not compliant) Analysis Date: 08/06/2008

2808050624	PC-72	Analyzed by: yvette
2808050625	PC-73	Analyzed by: yvette
2808050626	PC-37	Analyzed by: yvette
2808050631	MD-3	Analyzed by: yvette
2808050632	MD-4	Analyzed by: yvette

QC Ref #443189 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808050610	PC-123	Analyzed by: yvette
2808050611	PC-124	Analyzed by: yvette
2808050612	PC-125	Analyzed by: yvette
2808050613	PC-126	Analyzed by: yvette
2808050614	PC-127	Analyzed by: yvette
2808050615	PC-128	Analyzed by: yvette
2808050616	PC-129	Analyzed by: yvette
2808050617	PC-130	Analyzed by: yvette
2808050618	PC-131	Analyzed by: yvette

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QC Ref #443190 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808050619	PC-132	Analyzed by: yvette
2808050620	M-96	Analyzed by: yvette
2808050621	PC-54	Analyzed by: yvette
2808050622	M-48	Analyzed by: yvette
2808050623	PC-71	Analyzed by: yvette
2808050627	M-23	Analyzed by: yvette
2808050628	M-95	Analyzed by: yvette
2808050629	M-44	Analyzed by: yvette
2808050630	FB-1	Analyzed by: yvette

QC Ref #443860 - Total Dissolved Solid (TDS) Analysis Date: 08/06/2008

2808050631	MD-3	Analyzed by: axa
2808050632	MD-4	Analyzed by: axa

QC Ref #444058 - Perchlorate Analysis Date: 08/12/2008

2808050610	PC-123	Analyzed by: ser

QC Ref #444184 - Total Dissolved Solid (TDS) Analysis Date: 08/06/2008

2808050611	PC-124	Analyzed by: axa
2808050612	PC-125	Analyzed by: axa
2808050613	PC-126	Analyzed by: axa
2808050614	PC-127	Analyzed by: axa
2808050615	PC-128	Analyzed by: axa
2808050616	PC-129	Analyzed by: axa
2808050617	PC-130	Analyzed by: axa
2808050618	PC-131	Analyzed by: axa
2808050619	PC-132	Analyzed by: axa
2808050620	M-96	Analyzed by: axa
2808050621	PC-54	Analyzed by: axa
2808050622	M-48	Analyzed by: axa
2808050623	PC-71	Analyzed by: axa
2808050624	PC-72	Analyzed by: axa
2808050625	PC-73	Analyzed by: axa
2808050626	PC-37	Analyzed by: axa

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2808050627	M-23	Analyzed by: axa
2808050628	M-95	Analyzed by: axa
2808050629	M-44	Analyzed by: axa
2808050630	FB-1	Analyzed by: axa

QC Ref #444265 - Perchlorate **Analysis Date: 08/14/2008**

2808050611	PC-124	Analyzed by: ser
2808050612	PC-125	Analyzed by: ser
2808050613	PC-126	Analyzed by: ser
2808050614	PC-127	Analyzed by: ser
2808050615	PC-128	Analyzed by: ser
2808050616	PC-129	Analyzed by: ser
2808050617	PC-130	Analyzed by: ser
2808050618	PC-131	Analyzed by: ser
2808050619	PC-132	Analyzed by: ser
2808050620	M-96	Analyzed by: ser
2808050621	PC-54	Analyzed by: ser
2808050623	PC-71	Analyzed by: ser
2808050624	PC-72	Analyzed by: ser
2808050625	PC-73	Analyzed by: ser
2808050626	PC-37	Analyzed by: ser
2808050627	M-23	Analyzed by: ser
2808050628	M-95	Analyzed by: ser
2808050629	M-44	Analyzed by: ser
2808050630	FB-1	Analyzed by: ser

QC Ref #444336 - Perchlorate **Analysis Date: 08/14/2008**

2808050622	M-48	Analyzed by: ser
2808050631	MD-3	Analyzed by: ser
2808050632	MD-4	Analyzed by: ser

QC Ref #445529 - Chromium, Total, ICAP **Analysis Date: 08/17/2008**

2808050610	PC-123	Analyzed by: csk
2808050611	PC-124	Analyzed by: csk
2808050612	PC-125	Analyzed by: csk
2808050613	PC-126	Analyzed by: csk
2808050614	PC-127	Analyzed by: csk
2808050615	PC-128	Analyzed by: csk

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2808050616	PC-129	Analyzed by: csk
2808050617	PC-130	Analyzed by: csk
2808050618	PC-131	Analyzed by: csk
2808050619	PC-132	Analyzed by: csk
2808050620	M-96	Analyzed by: csk
2808050621	PC-54	Analyzed by: csk
2808050622	M-48	Analyzed by: csk
2808050623	PC-71	Analyzed by: csk
2808050624	PC-72	Analyzed by: csk
2808050625	PC-73	Analyzed by: csk
2808050626	PC-37	Analyzed by: csk
2808050627	M-23	Analyzed by: csk
2808050628	M-95	Analyzed by: csk
2808050629	M-44	Analyzed by: csk

QC Ref #445530 - Chromium, Total, ICAP **Analysis Date: 08/18/2008**

2808050630	FB-1	Analyzed by: csk
2808050631	MD-3	Analyzed by: csk
2808050632	MD-4	Analyzed by: csk

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QC Ref #442725 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08050630	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.053	MGL	106.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.053	MGL	106.0	(70-130)	

QC Ref #443151 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08040050	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	358	358	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	686	MGL	98.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	98.000	MGL	9.5	(0-20)	

QC Ref #443167 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.54	7.54	UNIT		(0-20)	0.0

QC Ref #443189 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.34	7.37	UNIT		(0-20)	0.4

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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QC Ref #443190 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	9.20	9.22	UNIT		(0-20)	0.2

QC Ref #443860 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08050631	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	8050	8060	MGL		(0-10)	0.1
LCS1	Total Dissolved Solid (TDS)	175	184	MGL	105.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	696	MGL	99.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	105.143	99.429	MGL	5.6	(0-20)	

QC Ref #444058 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	07240008	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.8	UGL	99.2	(85-115)	
LCS2	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	
LCS3	Perchlorate	4	3.80	UGL	95.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.5	UGL	90.0	(80-120)	
MSD	Perchlorate	25.0	22.0	UGL	88.0	(80-120)	
RPD_LCS	Perchlorate	99.200	99.600	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	90.000	88.000	UGL	1.0	(0-15)	

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QC Ref #444184 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08050611	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	6188	6176	MGL		(0-10)	0.2
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	684	MGL	97.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	96.000	97.714	MGL	1.8	(0-20)	

QC Ref #444265 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08050611	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS2	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS3	Perchlorate	4	3.69	UGL	92.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.1	UGL	100.4	(80-120)	
MSD	Perchlorate	25.0	23.6	UGL	94.4	(80-120)	
RPD_LCS	Perchlorate	98.800	96.000	UGL	2.9	(0-15)	
RPD_MS	Perchlorate	100.400	94.400	UGL	0.9	(0-15)	

QC Ref #444336 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080054	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.6	UGL	102.4	(85-115)	
LCS2	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
LCS3	Perchlorate	4	4.02	UGL	100.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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MS	Perchlorate	25.0	24.5	UGL	98.0	(80-120)
MSD	Perchlorate	25.0	25.2	UGL	100.8	(80-120)
RPD_LCS	Perchlorate	102.400	95.200	UGL	7.3	(0-15)
RPD_MS	Perchlorate	98.000	100.800	UGL	1.0	(0-15)

QC Ref #445529 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08050625	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.951	MGL	95.1	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0103	MGL	103.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.945	MGL	94.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.978	MGL	97.8	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.935	MGL	93.5	(70-130)	

QC Ref #445530 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08050630	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.999	MGL	99.9	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.011	MGL	110.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.936	MGL	93.6	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 16 2008
MWH LABORATORIES

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

ADE Andy Eaton
Project Manager

Report#: 249779
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

September 16, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 249779

Enclosed is MWH Laboratories Report 249779

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 6, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

One TDS sample (M-6A sample 0340) had results that were inconsistent with history and was rerun with different results. It was flagged as analyzed past hold time.

TOC results on M-5A were inconsistent among the replicates. The four replicates were re-analyzed past hold time and results were all comparable to each other and consistent with 2 of the original 4 results. It was suspected that an incorrect dilution factor was assumed in the original analysis. Past hold time results were reported for two of the samples.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Several other samples had TDS values that were not consistent with historical data or the conductivity. Those samples were rechecked to confirm original values.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

249779

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JM

SAMPLE TEMP, RECEIPT AT LAB: 6

BLUE ICE: FROZEN ___ PARTIALLY FROZEN / THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Sampling

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	TOC 4 bottles	TOX 2 bottles (MD)	pH 9040, EC 9050 4 btls	TDS	CR 6010	CL04	SAMPLER COMMENTS
827	8-5-08		M-5A	RGW	X		X	X	X	X	X	X	MD 13 bottles
745	8-5-08		M-6A	RGW	X		X	X	X	X			MD 12 bottles
736	8-5-08		M-7B	RGW	X		X	X	X	X			MD 12 bottles
—	8-5-08		H-28A	RGW	X		X	X	X	X	X	X	NO SAMPLE — MD 13 bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00 PM
RECEIVED BY:		Salvador Mata	MWH	8.6.08	1038
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

A Annual
Week 1
Period

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 43277 16934 RS
0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 06/19/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

Send Report to
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234

Billing Address
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
16	TOC	1 125ml amber glass + 0.5ml H2SO4(50%)	UN 2796
4	TOX	2 x 250ml amber glass + 1ml H2S04	UN 2796
16	PH, EC,	1 125 ml poly/ no preservative	
4	TDS	1 500ml poly/ no preservative	

Important Comments

LANDFILL WELLS:
M-5A, M-6A, M-7A, H-28A

LOGIN - Please assign 4 lab numbers to each of the quadruplicate tests - TOX, TOC, EC, pH

FOR JULY SAMPLING EVENT

TDS is NOT in quad.

ActiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143277

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/05/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES
☒ Prepaid ☐ Collect

N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
		Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 35 Lbs One ice chest @ 24 Lbs One ice chest @ 52 Lbs One ice chest @ 58 Lbs Not Regulated		4 COOLERS

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 169	TOTAL TARE WEIGHT 0	169

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS053088/21/24

Ship Date: 05AUG08
ActWgt: 35 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143277
Invoice #
PO #
Dept #

TRK# 0201 7920 9257 4073

WED - 06AUG
PRIORITY OVERNIGHT
A2

QZ WHPA

91016
CA-US
BUR

After printing this label:
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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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SHIPPER'S NUMBER: 143277

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

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Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/05/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 35 Lbs One ice chest @ 24 Lbs One ice chest @ 52 Lbs One ice chest @ 58 Lbs Not Regulated		4 COOLERS

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 169	TOTAL TARE WEIGHT 0	169

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

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"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

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TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS893888/2124

Ship Date: 05AUG08
ActWgt: 24 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143277
Invoice #
PO #
Dept #

TRK# 0201 7927 3610 6435

WED - 06AUG **A2**
PRIORITY OVERNIGHT

QZ WHPA

91016
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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249779
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/06/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808060296	M-5A		Water	05-aug-2008 08:27:00
		CLO4 CR6010 EC9050 P PH9040 T TDS TOC9060 TOX		
2808060340	M-6A		Water	05-aug-2008 07:45:00
		EC9050 PH9040 TDS TOC9060 TOX		
2808060345	M-7B		Water	05-aug-2008 07:26:00
		EC9050 PH9040 TDS TOC9060 TOX		
2808060346	M-5A		Water	05-aug-2008 08:27:00
		EC9050 PH9040 TOC9060 TOX		
2808060354	M-6A		Water	05-aug-2008 07:45:00
		EC9050 PH9040 TOC9060 TOX		
2808060357	M-7B		Water	05-aug-2008 07:26:00
		EC9050 PH9040 TOC9060 TOX		
2808060364	M-5A		Water	05-aug-2008 08:27:00
		EC9050 PH9040 TOC9060 TOX		
2808060376	M-6A		Water	05-aug-2008 07:45:00
		EC9050 PH9040 TOC9060 TOX		
2808060379	M-7B		Water	05-aug-2008 07:26:00
		EC9050 PH9040 TOC9060 TOX		
2808060381	M-5A		Water	05-aug-2008 08:27:00
		EC9050 PH9040 TOC9060 TOX		
2808060390	M-6A		Water	05-aug-2008 07:45:00
		EC9050 PH9040 TOC9060 TOX		
2808060391	M-7B		Water	05-aug-2008 07:26:00
		EC9050 PH9040 TOC9060 TOX		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
EC9050	Specific Conductance
P	Metals sample pH

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249779
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)
TOC9060	Total Organic Carbon
TOX	Total Organic Halogen

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#249779

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808060296)

Test: Perchlorate (EPA 314)

DUE TO CONDUCTIVITY SAMPLE WAS DILUTED 1/10.

Test: Total Organic Carbon (ML/EPA 9060)

Sample was originally analyzed within holding time on 8/15, but with dilution error. Back calculating was not possible in the case. Rerun was done on 9/11 past holding time.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2808060340)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

TDS was first ran on 8/6/08 within HT. The result was 5200 with TDS/EC ration of 0.50. The ratio for this client are normally aroung 0.65 to 0.85. Sample was reanalyzed on 8/18 passed HT. The result was 8100mg/L with TDS/EC ratio of 0.78 . 8/18 result was reported for this sample. HA flag added. QIR written.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2808060381)

Test: Total Organic Carbon (ML/EPA 9060)

Sample was originally analyzed on 8/15 within holding time, but with dilution error. Back calculation was not possible. Sample was rerun on 9/11 outside the holding time.
HA - Initial analysis within holding time. Reanalysis was past holding time.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#249779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:27:44

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808060296	M-5A				
08/06/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/07/08	Specific Conductance		17200		umho/cm	2.0
08/08/08	Total Dissolved Solid (TDS)		11300	500	mg/l	10
09/11/08	Total Organic Carbon		7.4		mg/l	0.30
08/12/08	Total Organic Halogen		13300		ug/l	1000
	2808060340	M-6A				
08/06/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/07/08	Specific Conductance		10400		umho/cm	2.0
08/18/08	Total Dissolved Solid (TDS)		8100	500	mg/l	10
08/11/08	Total Organic Carbon		0.82		mg/l	0.30
08/13/08	Total Organic Halogen		702		ug/l	500
	2808060345	M-7B				
08/06/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/07/08	Specific Conductance		12100		umho/cm	2.0
08/08/08	Total Dissolved Solid (TDS)		9300	500	mg/l	10
08/13/08	Total Organic Carbon		1.4		mg/l	0.60
08/14/08	Total Organic Halogen		989		ug/l	250
	2808060346	M-5A				
08/06/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/07/08	Specific Conductance		17200		umho/cm	2.0
08/09/08	Total Organic Carbon		8.5		mg/l	0.60
08/12/08	Total Organic Halogen		13400		ug/l	1000
	2808060354	M-6A				

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#249779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:27:44

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808060354	**M-6A**				
08/06/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/07/08	Specific Conductance		10400		umho/cm	2.0
08/11/08	Total Organic Carbon		0.79		mg/l	0.30
08/13/08	Total Organic Halogen		685		ug/l	500
	2808060357	**M-7B**				
08/06/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/07/08	Specific Conductance		12100		umho/cm	2.0
08/13/08	Total Organic Carbon		1.3		mg/l	0.60
08/14/08	Total Organic Halogen		1320		ug/l	250
	2808060364	**M-5A**				
08/06/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/07/08	Specific Conductance		17200		umho/cm	2.0
08/09/08	Total Organic Carbon		6.8		mg/l	0.30
08/12/08	Total Organic Halogen		13600		ug/l	1000
	2808060376	**M-6A**				
08/06/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/07/08	Specific Conductance		10400		umho/cm	2.0
08/09/08	Total Organic Carbon		1.2		mg/l	0.60
08/13/08	Total Organic Halogen		751		ug/l	500
	2808060379	**M-7B**				
08/06/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010

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Hits Report
#249779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:27:44

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808060379	**M-7B**				
08/07/08	Specific Conductance		12100		umho/cm	2.0
08/13/08	Total Organic Carbon		1.0		mg/l	0.30
08/14/08	Total Organic Halogen		917		ug/l	250
	2808060381	**M-5A**				
08/06/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/07/08	Specific Conductance		17200		umho/cm	2.0
09/11/08	Total Organic Carbon		7.4		mg/l	0.30
08/12/08	Total Organic Halogen		15000		ug/l	1000
	2808060390	**M-6A**				
08/06/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/07/08	Specific Conductance		10400		umho/cm	2.0
08/11/08	Total Organic Carbon		0.81		mg/l	0.30
08/13/08	Total Organic Halogen		791		ug/l	250
	2808060391	**M-7B**				
08/06/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/07/08	Specific Conductance		12100		umho/cm	2.0
08/11/08	Total Organic Carbon		1.1		mg/l	0.30
08/14/08	Total Organic Halogen		956		ug/l	250

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Laboratory
Data Report
#249779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/06/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-5A (2808060296)			**Sampled on 08/05/08 08:27**					
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	ND	ug/l	20	10
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	17200	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/08/08	08/08/08 09:50	444185	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11300	mg/l	10	1
	09/11/08 13:55	450972	(ML/EPA 9060)	Total Organic Carbon	7.4(HA)	mg/l	0.30	1
	08/12/08 13:00	445048	(SW9020/SM5320)	Total Organic Halogen	13300	ug/l	1000	100
M-6A (2808060340)			**Sampled on 08/05/08 07:45**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	10400	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/18/08	08/18/08 12:05	447558	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8100(HA)	mg/l	10	1
	08/11/08 11:48	444251	(ML/EPA 9060)	Total Organic Carbon	0.82	mg/l	0.30	1
	08/13/08 12:11	445050	(SW9020/SM5320)	Total Organic Halogen	702	ug/l	500	50
M-7B (2808060345)			**Sampled on 08/05/08 07:26**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	12100	umho/cm	2.0	1
	08/06/08 15:19	443169	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/08/08	08/08/08 09:50	444185	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9300	mg/l	10	1
	08/13/08 14:27	444013	(ML/EPA 9060)	Total Organic Carbon	1.4	mg/l	0.60	2
	08/14/08 11:22	445052	(SW9020/SM5320)	Total Organic Halogen	989	ug/l	250	25
M-5A (2808060346)			**Sampled on 08/05/08 08:27**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	17200	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
	08/09/08 05:41	444252	(ML/EPA 9060)	Total Organic Carbon	8.5	mg/l	0.60	2
	08/12/08 13:00	445048	(SW9020/SM5320)	Total Organic Halogen	13400	ug/l	1000	100

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-6A (2808060354)			**Sampled on 08/05/08 07:45**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	10400	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
	08/11/08 11:48	444251	(ML/EPA 9060)	Total Organic Carbon	0.79	mg/l	0.30	1
	08/13/08 12:11	445050	(SW9020/SM5320)	Total Organic Halogen	685	ug/l	500	50
M-7B (2808060357)			**Sampled on 08/05/08 07:26**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	12100	umho/cm	2.0	1
	08/06/08 15:19	443169	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
	08/13/08 14:27	444013	(ML/EPA 9060)	Total Organic Carbon	1.3	mg/l	0.60	2
	08/14/08 11:22	445052	(SW9020/SM5320)	Total Organic Halogen	1320	ug/l	250	25
M-5A (2808060364)			**Sampled on 08/05/08 08:27**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	17200	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
	08/09/08 05:41	444252	(ML/EPA 9060)	Total Organic Carbon	6.8	mg/l	0.30	1
	08/12/08 13:00	445048	(SW9020/SM5320)	Total Organic Halogen	13600	ug/l	1000	100
M-6A (2808060376)			**Sampled on 08/05/08 07:45**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	10400	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
	08/09/08 05:41	444252	(ML/EPA 9060)	Total Organic Carbon	1.2	mg/l	0.60	2
	08/13/08 12:11	445050	(SW9020/SM5320)	Total Organic Halogen	751	ug/l	500	50
M-7B (2808060379)			**Sampled on 08/05/08 07:26**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	12100	umho/cm	2.0	1
	08/06/08 15:19	443169	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
	08/13/08 14:27	444013	(ML/EPA 9060)	Total Organic Carbon	1.0	mg/l	0.30	1
	08/14/08 11:22	445052	(SW9020/SM5320)	Total Organic Halogen	917	ug/l	250	25

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-5A (2808060381)			**Sampled on 08/05/08 08:27**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	17200	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
	09/11/08 13:55	450972	(ML/EPA 9060)	Total Organic Carbon	7.4(HA)	mg/l	0.30	1
	08/12/08 13:00	445048	(SW9020/SM5320)	Total Organic Halogen	15000	ug/l	1000	100
M-6A (2808060390)			**Sampled on 08/05/08 07:45**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	10400	umho/cm	2.0	1
	08/06/08 13:27	443167	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
	08/11/08 11:48	444251	(ML/EPA 9060)	Total Organic Carbon	0.81	mg/l	0.30	1
	08/13/08 12:11	445050	(SW9020/SM5320)	Total Organic Halogen	791	ug/l	250	25
M-7B (2808060391)			**Sampled on 08/05/08 07:26**					
	08/07/08 16:39	442386	(ML/EPA 9050A)	Specific Conductance	12100	umho/cm	2.0	1
	08/06/08 15:19	443169	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
	08/11/08 11:48	444251	(ML/EPA 9060)	Total Organic Carbon	1.1	mg/l	0.30	1
	08/14/08 11:22	445052	(SW9020/SM5320)	Total Organic Halogen	956	ug/l	250	25

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QC Ref #0 - Metals Turbidity **Analysis Date: 08/06/2008**

2808060296	M-5A	Analyzed by: jrf
2808060296	M-5A	Analyzed by: jrf

QC Ref #442386 - Specific Conductance **Analysis Date: 08/07/2008**

2808060296	M-5A	Analyzed by: maria
2808060340	M-6A	Analyzed by: maria
2808060345	M-7B	Analyzed by: maria
2808060346	M-5A	Analyzed by: maria
2808060354	M-6A	Analyzed by: maria
2808060357	M-7B	Analyzed by: maria
2808060364	M-5A	Analyzed by: maria
2808060376	M-6A	Analyzed by: maria
2808060379	M-7B	Analyzed by: maria
2808060381	M-5A	Analyzed by: maria
2808060390	M-6A	Analyzed by: maria
2808060391	M-7B	Analyzed by: maria

QC Ref #443167 - PH (H3=past HT, not compliant) **Analysis Date: 08/06/2008**

2808060296	M-5A	Analyzed by: yvette
2808060340	M-6A	Analyzed by: yvette
2808060346	M-5A	Analyzed by: yvette
2808060354	M-6A	Analyzed by: yvette
2808060364	M-5A	Analyzed by: yvette
2808060376	M-6A	Analyzed by: yvette
2808060381	M-5A	Analyzed by: yvette
2808060390	M-6A	Analyzed by: yvette

QC Ref #443169 - PH (H3=past HT, not compliant) **Analysis Date: 08/06/2008**

2808060345	M-7B	Analyzed by: yvette
2808060357	M-7B	Analyzed by: yvette
2808060379	M-7B	Analyzed by: yvette
2808060391	M-7B	Analyzed by: yvette

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(continued)

QC Ref #444013 - Total Organic Carbon **Analysis Date: 08/13/2008**

2808060345	M-7B	Analyzed by: kxs
2808060357	M-7B	Analyzed by: kxs
2808060379	M-7B	Analyzed by: kxs

QC Ref #444185 - Total Dissolved Solid (TDS) **Analysis Date: 08/08/2008**

2808060296	M-5A	Analyzed by: axa
2808060345	M-7B	Analyzed by: axa

QC Ref #444251 - Total Organic Carbon **Analysis Date: 08/11/2008**

2808060340	M-6A	Analyzed by: kxs
2808060354	M-6A	Analyzed by: kxs
2808060390	M-6A	Analyzed by: kxs
2808060391	M-7B	Analyzed by: kxs

QC Ref #444252 - Total Organic Carbon **Analysis Date: 08/09/2008**

2808060346	M-5A	Analyzed by: kxs
2808060364	M-5A	Analyzed by: kxs
2808060376	M-6A	Analyzed by: kxs

QC Ref #445048 - Total Organic Halogen **Analysis Date: 08/12/2008**

2808060296	M-5A	Analyzed by: azs
2808060346	M-5A	Analyzed by: azs
2808060364	M-5A	Analyzed by: azs
2808060381	M-5A	Analyzed by: azs

QC Ref #445050 - Total Organic Halogen **Analysis Date: 08/13/2008**

2808060340	M-6A	Analyzed by: azs
2808060354	M-6A	Analyzed by: azs
2808060376	M-6A	Analyzed by: azs
2808060390	M-6A	Analyzed by: azs

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Tronox LLC - Henderson
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QC Ref #445052 - Total Organic Halogen **Analysis Date: 08/14/2008**

2808060345	M-7B	Analyzed by: azs
2808060357	M-7B	Analyzed by: azs
2808060379	M-7B	Analyzed by: azs
2808060391	M-7B	Analyzed by: azs

QC Ref #445530 - Chromium, Total, ICAP **Analysis Date: 08/18/2008**

2808060296	M-5A	Analyzed by: csk

QC Ref #446320 - Perchlorate **Analysis Date: 08/21/2008**

2808060296	M-5A	Analyzed by: ser

QC Ref #447558 - Total Dissolved Solid (TDS) **Analysis Date: 08/18/2008**

2808060340	M-6A	Analyzed by: axa

QC Ref #450972 - Total Organic Carbon **Analysis Date: 09/11/2008**

2808060296	M-5A	Analyzed by: kxs
2808060381	M-5A	Analyzed by: kxs

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QC Ref #442386 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	12100	12200	UMHO		(0-20)	0.8
MRL_CHK	Specific Conductance	2.000	2.09	UMHO	104.5	(50-150)	

QC Ref #443167 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.54	7.54	UNIT		(0-20)	0.0

QC Ref #443169 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	8.77	8.76	UNIT		(0-20)	0.1

QC Ref #444013 Total Organic Carbon

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	2808080127	MGL		(0-0)	
LCS1	Total Organic Carbon	5.0	5.11	MGL	102.2	(50-150)	
LCS2	Total Organic Carbon	5.0	5.16	MGL	103.2	(90-110)	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.242	MGL	121.0	(50-150)	
MS	Total Organic Carbon	4.0	4.10	MGL	102.5	(80-120)	
MSD	Total Organic Carbon	4.0	4.16	MGL	104.0	(80-120)	
RPD_LCS	Total Organic Carbon	102.200	103.200	MGL	1.0	(0-20)	
RPD_MS	Total Organic Carbon	102.500	104.000	MGL	1.5	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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QC Ref #444185 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08060296	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	11400	11250	MGL		(0-10)	1.3
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	692	MGL	98.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	98.857	MGL	2.8	(0-20)	

QC Ref #444251 Total Organic Carbon

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	2808090068	MGL		(0-0)	
LCS1	Total Organic Carbon	5.0	5.01	MGL	100.2	(50-150)	
LCS2	Total Organic Carbon	5.0	5.12	MGL	102.4	(90-110)	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.220	MGL	110.0	(50-150)	
MS	Total Organic Carbon	4.0	3.94	MGL	98.5	(80-120)	
MSD	Total Organic Carbon	4.0	4.16	MGL	104.0	(80-120)	
RPD_LCS	Total Organic Carbon	100.200	102.400	MGL	2.2	(0-20)	
RPD_MS	Total Organic Carbon	98.500	104.000	MGL	5.4	(0-20)	

QC Ref #444252 Total Organic Carbon

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	2808060523	MGL		(0-0)	
LCS1	Total Organic Carbon	5.0	5.02	MGL	100.4	(50-150)	
LCS2	Total Organic Carbon	5.0	5.14	MGL	102.8	(90-110)	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.24	MGL	120.0	(50-150)	

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MS	Total Organic Carbon	4.0	4.14	MGL	103.5	(80-120)
MSD	Total Organic Carbon	4.0	4.25	MGL	106.2	(80-120)
RPD_LCS	Total Organic Carbon	100.400	102.800	MGL	2.4	(0-20)
RPD_MS	Total Organic Carbon	103.500	106.250	MGL	2.6	(0-20)

QC Ref #445048 Total Organic Halogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08050655	UGL		(0-0)	
LCS1	Total Organic Halogen	10	9.12	UGL	91.2	(85-115)	
LCS2	Total Organic Halogen	200	188	UGL	94.0	(85-115)	
MBLK	Total Organic Halogen	ND	<10	UGL			
MS	Total Organic Halogen	200	205	UGL	102.5	(90-110)	
MSD	Total Organic Halogen	100	94.2	UGL	94.2	(90-110)	

QC Ref #445050 Total Organic Halogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Organic Halogen	10	9.46	UGL	94.6	(85-115)	
LCS2	Total Organic Halogen	200	198	UGL	99.0	(85-115)	
MBLK	Total Organic Halogen	ND	<10	UGL			

QC Ref #445052 Total Organic Halogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Organic Halogen	10	9.92	UGL	99.2	(85-115)	
LCS2	Total Organic Halogen	200	183	UGL	91.5	(85-115)	
MBLK	Total Organic Halogen	ND	<10	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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QC Ref #445530 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08050630	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.999	MGL	99.9	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.011	MGL	110.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.936	MGL	93.6	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	

QC Ref #446320 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090086	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
RPD_LCS	Perchlorate	110.000	105.600	UGL	4.1	(0-15)	
RPD_MS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)	

QC Ref #447558 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08110137	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	490	536	MGL		(0-10)	9.0
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

LCS2	Total Dissolved Solid (TDS)	700	628	MGL	89.7	(80-114)
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	90.286	89.714	MGL	0.6	(0-20)

QC Ref #450972 Total Organic Carbon

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	2808060364	MGL		(0-0)	
LCS1	Total Organic Carbon	5.0	5.02	MGL	100.4	(50-150)	
LCS2	Total Organic Carbon	5.0	5.14	MGL	102.8	(90-110)	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.218	MGL	109.0	(50-150)	
MS	Total Organic Carbon	4.0	0.900	MGL	22.5	(80-120)	
MSD	Total Organic Carbon	4.0	0.950	MGL	23.8	(80-120)	
RPD_LCS	Total Organic Carbon	100.400	102.800	MGL	2.4	(0-20)	
RPD_MS	Total Organic Carbon	22.500	23.750	MGL	5.4	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 04 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 249900
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 17 page[s].

MWH

BUILDING A BETTER WORLD

September 4, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 249900

Enclosed is MWH Laboratories Report 249900

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 6, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

None

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Several samples had TDS values that were not consistent with historical data or the conductivity. Those samples was rechecked to confirm original values.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

301 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626.386.1100
FAX 626.358.1120
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

2/9900

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN X THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
3527	8-5-08		I-O	RGW	X		X	X	X	X					Bottles
3191	8-5-08		I-P	RGW	X		X	X	X	X					Bottles
3228	8-5-08		I-H	RGW	X		X	X	X	X					Bottles
3291	8-5-08		I-L	RGW	X		X	X	X	X					Bottles
3301	8-5-08		I-T	RGW	X		X	X	X	X					Bottles
3338	8-5-08		I-G	RGW	X		X	X	X	X					Bottles
3361	8-5-08		I-Q	RGW	X		X	X	X	X					Bottles
3441	8-5-08		I-F	RGW	X		X	X	X	X					Bottles
3461	8-5-08		I-N	RGW	X		X	X	X	X					Bottles
3481	8-5-08		I-E	RGW	X		X	X	X	X					Bottles
3501	8-5-08		I-M	RGW	X		X	X	X	X					Bottles
3521	8-5-08		I-D	RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:	Matthew Waburman	Matthew Waburman	MWH	8/6	1:15
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: 8

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED X

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
3550	8-508		I-C	RGW	X		X	X	X	X					Bottles
3598	8-508		I-S	RGW	X		X	X	X	X					Bottles
4028	8-508		I-L	RGW	X		X	X	X	X					Bottles
4048	8-508		I-R	RGW	X		X	X	X	X					Bottles
4078	8-508		I-B	RGW	X		X	X	X	X					Bottles
4128	8-508		I-AR	RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:	Mathew Wahrman	Mathew Wahrman	mwh	8/6	1:15
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249900
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/06/08.** They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808070156	I-O	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:27:00
2808070157	I-P	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:19:00
2808070158	I-H	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:22:00
2808070159	I-U	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:29:00
2808070160	I-T	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:31:00
2808070161	I-G	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:33:00
2808070162	I-Q	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:36:00
2808070163	I-F	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:44:00
2808070164	I-N	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:46:00
2808070165	I-E	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:48:00
2808070166	I-M	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:50:00
2808070167	I-D	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:52:00
2808070168	I-C	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:55:00
2808070169	I-S	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 03:59:00
2808070170	I-L	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 04:02:00
2808070171	I-R	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 04:04:00
2808070172	I-B	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 04:07:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249900
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2808070173	I-AR	Water	05-aug-2008 04:12:00
	CLO4 CR6010 P PH9040 T TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#249900

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

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Laboratory
Hits Report
#249900

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:15:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070156	**I-O**				
08/18/08	Chromium, Total, ICAP		33		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/15/08	Perchlorate		1800000		ug/l	200000
08/08/08	Total Dissolved Solid (TDS)		16100	500	mg/l	10
	2808070157	**I-P**				
08/18/08	Chromium, Total, ICAP		31		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.2		Units	0.0010
08/15/08	Perchlorate		1770000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		12400	500	mg/l	10
	2808070158	**I-H**				
08/18/08	Chromium, Total, ICAP		32		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/15/08	Perchlorate		1740000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		18500	500	mg/l	10
	2808070159	**I-U**				
08/18/08	Chromium, Total, ICAP		30		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.1		Units	0.0010
08/15/08	Perchlorate		1990000		ug/l	200000
08/08/08	Total Dissolved Solid (TDS)		20100	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#249900

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:15:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070160	I-T				
	2808070160	I-T				
08/18/08	Chromium, Total, ICAP		31		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.2		Units	0.0010
08/15/08	Perchlorate		2050000		ug/l	200000
08/08/08	Total Dissolved Solid (TDS)		19500	500	mg/l	10
	2808070161	I-G				
08/18/08	Chromium, Total, ICAP		27		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/20/08	Perchlorate		2210000		ug/l	200000
08/08/08	Total Dissolved Solid (TDS)		19900	500	mg/l	10
	2808070162	I-Q				
08/18/08	Chromium, Total, ICAP		30		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/15/08	Perchlorate		1640000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		18600	500	mg/l	10
	2808070163	I-F				
08/18/08	Chromium, Total, ICAP		24		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#249900

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:15:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070163	**I-F**				
08/15/08	Perchlorate		1520000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		14400	500	mg/l	10
	2808070164	**I-N**				
08/18/08	Chromium, Total, ICAP		13		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/15/08	Perchlorate		1150000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		7950	500	mg/l	10
	2808070165	**I-E**				
08/18/08	Chromium, Total, ICAP		13		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/15/08	Perchlorate		752000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		9050	500	mg/l	10
	2808070166	**I-M**				
08/18/08	Chromium, Total, ICAP		11		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/15/08	Perchlorate		795000		ug/l	40000
08/08/08	Total Dissolved Solid (TDS)		7900	500	mg/l	10
	2808070167	**I-D**				
08/18/08	Chromium, Total, ICAP		9.5		mg/l	0.020

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#249900

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:15:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070167	I-D				
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/15/08	Perchlorate		826000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		7800	500	mg/l	10
	2808070168	I-C				
08/18/08	Chromium, Total, ICAP		5.4		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/15/08	Perchlorate		960000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		6350	500	mg/l	10
	2808070169	I-S				
08/18/08	Chromium, Total, ICAP		2.9		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/16/08	Perchlorate		897000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		4950	500	mg/l	10
	2808070170	I-L				
08/18/08	Chromium, Total, ICAP		1.4		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/16/08	Perchlorate		1560000		ug/l	200000
08/08/08	Total Dissolved Solid (TDS)		5380	500	mg/l	10
	2808070171	I-R				

SUMMARY OF POSITIVE DATA ONLY.

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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#249900

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 13:15:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070171	**I-R**				
08/18/08	Chromium, Total, ICAP		0.80		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/16/08	Perchlorate		2210000		ug/l	200000
08/08/08	Total Dissolved Solid (TDS)		7170	500	mg/l	10
	2808070172	**I-B**				
08/17/08	Chromium, Total, ICAP		0.32		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/16/08	Perchlorate		766000		ug/l	80000
08/08/08	Total Dissolved Solid (TDS)		4490	500	mg/l	10
	2808070173	**I-AR**				
08/17/08	Chromium, Total, ICAP		1.2		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/16/08	Perchlorate		3070000		ug/l	200000
08/08/08	Total Dissolved Solid (TDS)		7400	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#249900

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/06/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-O (2808070156)			**Sampled on 08/05/08 03:27**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	1800000	ug/l	200000	50000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	33	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/08/08	08/08/08 09:50	444186	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16100	mg/l	10	1
I-P (2808070157)			**Sampled on 08/05/08 03:19**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	1770000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	31	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
08/08/08	08/08/08 09:50	444186	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12400	mg/l	10	1
I-H (2808070158)			**Sampled on 08/05/08 03:22**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	1740000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	32	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/08/08	08/08/08 09:50	444186	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18500	mg/l	10	1
I-U (2808070159)			**Sampled on 08/05/08 03:29**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	1990000	ug/l	200000	50000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
08/08/08	08/08/08 09:50	444186	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	20100	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-T (2808070160)			**Sampled on 08/05/08 03:31**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	2050000	ug/l	200000	50000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	31	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
08/08/08	08/08/08 09:50	444186	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	19500	mg/l	10	1
I-G (2808070161)			**Sampled on 08/05/08 03:33**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	2210000	ug/l	200000	50000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	27	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/08/08	08/08/08 09:50	444186	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	19900	mg/l	10	1
I-Q (2808070162)			**Sampled on 08/05/08 03:36**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	1640000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/08/08	08/08/08 09:50	444186	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18600	mg/l	10	1
I-F (2808070163)			**Sampled on 08/05/08 03:44**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	1520000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	24	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	14400	mg/l	10	1
I-N (2808070164)			**Sampled on 08/05/08 03:46**					
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	1150000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7950	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-E (2808070165) Sampled on 08/05/08 03:48								
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	752000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9050	mg/l	10	1
I-M (2808070166) Sampled on 08/05/08 03:50								
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	795000	ug/l	40000	10000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	11	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7900	mg/l	10	1
I-D (2808070167) Sampled on 08/05/08 03:52								
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	826000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	9.5	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7800	mg/l	10	1
I-C (2808070168) Sampled on 08/05/08 03:55								
	08/15/08 12:43	445647	(EPA 314)	Perchlorate	960000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	5.4	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6350	mg/l	10	1
I-S (2808070169) Sampled on 08/05/08 03:59								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	897000	ug/l	80000	20000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	2.9	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4950	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-L (2808070170)			**Sampled on 08/05/08 04:02**					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	1560000	ug/l	200000	50000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	1.4	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5380	mg/l	10	1
I-R (2808070171)			**Sampled on 08/05/08 04:04**					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	2210000	ug/l	200000	50000
08/15/08	08/18/08 00:00	445530	(ML/EPA 6010B)	Chromium, Total, ICAP	0.80	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7170	mg/l	10	1
I-B (2808070172)			**Sampled on 08/05/08 04:07**					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	766000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.32	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4490	mg/l	10	1
I-AR (2808070173)			**Sampled on 08/05/08 04:12**					
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	3070000	ug/l	200000	50000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:07	443199	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/08/08	08/08/08 11:50	444189	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7400	mg/l	10	1

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QC Summary
#249900

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 08/07/2008**

2808070156	I-O	Analyzed by: jrf
2808070156	I-O	Analyzed by: jrf
2808070157	I-P	Analyzed by: jrf
2808070157	I-P	Analyzed by: jrf
2808070158	I-H	Analyzed by: jrf
2808070158	I-H	Analyzed by: jrf
2808070159	I-U	Analyzed by: jrf
2808070159	I-U	Analyzed by: jrf
2808070160	I-T	Analyzed by: jrf
2808070160	I-T	Analyzed by: jrf
2808070161	I-G	Analyzed by: jrf
2808070161	I-G	Analyzed by: jrf
2808070162	I-Q	Analyzed by: jrf
2808070162	I-Q	Analyzed by: jrf
2808070163	I-F	Analyzed by: jrf
2808070163	I-F	Analyzed by: jrf
2808070164	I-N	Analyzed by: jrf
2808070164	I-N	Analyzed by: jrf
2808070165	I-E	Analyzed by: jrf
2808070165	I-E	Analyzed by: jrf
2808070166	I-M	Analyzed by: jrf
2808070166	I-M	Analyzed by: jrf
2808070167	I-D	Analyzed by: jrf
2808070167	I-D	Analyzed by: jrf
2808070168	I-C	Analyzed by: jrf
2808070168	I-C	Analyzed by: jrf
2808070169	I-S	Analyzed by: jrf
2808070169	I-S	Analyzed by: jrf
2808070170	I-L	Analyzed by: jrf
2808070170	I-L	Analyzed by: jrf
2808070171	I-R	Analyzed by: jrf
2808070171	I-R	Analyzed by: jrf
2808070172	I-B	Analyzed by: jrf
2808070172	I-B	Analyzed by: jrf
2808070173	I-AR	Analyzed by: jrf
2808070173	I-AR	Analyzed by: jrf

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QC Ref #443193 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808070156	I-O	Analyzed by: yvette
2808070157	I-P	Analyzed by: yvette
2808070158	I-H	Analyzed by: yvette
2808070159	I-U	Analyzed by: yvette
2808070160	I-T	Analyzed by: yvette
2808070161	I-G	Analyzed by: yvette

QC Ref #443199 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808070162	I-Q	Analyzed by: yvette
2808070163	I-F	Analyzed by: yvette
2808070164	I-N	Analyzed by: yvette
2808070165	I-E	Analyzed by: yvette
2808070166	I-M	Analyzed by: yvette
2808070167	I-D	Analyzed by: yvette
2808070168	I-C	Analyzed by: yvette
2808070169	I-S	Analyzed by: yvette
2808070170	I-L	Analyzed by: yvette
2808070171	I-R	Analyzed by: yvette
2808070172	I-B	Analyzed by: yvette
2808070173	I-AR	Analyzed by: yvette

QC Ref #444186 - Total Dissolved Solid (TDS) Analysis Date: 08/08/2008

2808070156	I-O	Analyzed by: axa
2808070157	I-P	Analyzed by: axa
2808070158	I-H	Analyzed by: axa
2808070159	I-U	Analyzed by: axa
2808070160	I-T	Analyzed by: axa
2808070161	I-G	Analyzed by: axa
2808070162	I-Q	Analyzed by: axa

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QC Ref #444189 - Total Dissolved Solid (TDS) Analysis Date: 08/08/2008

2808070163	I-F	Analyzed by: axa
2808070164	I-N	Analyzed by: axa
2808070165	I-E	Analyzed by: axa
2808070166	I-M	Analyzed by: axa
2808070167	I-D	Analyzed by: axa
2808070168	I-C	Analyzed by: axa
2808070169	I-S	Analyzed by: axa
2808070170	I-L	Analyzed by: axa
2808070171	I-R	Analyzed by: axa
2808070172	I-B	Analyzed by: axa
2808070173	I-AR	Analyzed by: axa

QC Ref #445530 - Chromium, Total, ICAP Analysis Date: 08/18/2008

2808070156	I-O	Analyzed by: csk
2808070157	I-P	Analyzed by: csk
2808070158	I-H	Analyzed by: csk
2808070159	I-U	Analyzed by: csk
2808070160	I-T	Analyzed by: csk
2808070161	I-G	Analyzed by: csk
2808070162	I-Q	Analyzed by: csk
2808070163	I-F	Analyzed by: csk
2808070164	I-N	Analyzed by: csk
2808070165	I-E	Analyzed by: csk
2808070166	I-M	Analyzed by: csk
2808070167	I-D	Analyzed by: csk
2808070168	I-C	Analyzed by: csk
2808070169	I-S	Analyzed by: csk
2808070170	I-L	Analyzed by: csk
2808070171	I-R	Analyzed by: csk

QC Ref #445531 - Chromium, Total, ICAP Analysis Date: 08/17/2008

2808070172	I-B	Analyzed by: csk
2808070173	I-AR	Analyzed by: csk

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QC Ref #445647 - Perchlorate **Analysis Date: 08/15/2008**

2808070156	I-O	Analyzed by: ser
2808070157	I-P	Analyzed by: ser
2808070158	I-H	Analyzed by: ser
2808070159	I-U	Analyzed by: ser
2808070160	I-T	Analyzed by: ser
2808070162	I-Q	Analyzed by: ser
2808070163	I-F	Analyzed by: ser
2808070164	I-N	Analyzed by: ser
2808070165	I-E	Analyzed by: ser
2808070166	I-M	Analyzed by: ser
2808070167	I-D	Analyzed by: ser
2808070168	I-C	Analyzed by: ser

QC Ref #445648 - Perchlorate **Analysis Date: 08/16/2008**

2808070169	I-S	Analyzed by: ser
2808070170	I-L	Analyzed by: ser
2808070171	I-R	Analyzed by: ser
2808070172	I-B	Analyzed by: ser
2808070173	I-AR	Analyzed by: ser

QC Ref #446106 - Perchlorate **Analysis Date: 08/20/2008**

2808070161	I-G	Analyzed by: ser

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QC Report
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Tronox LLC - Henderson

QC Ref #443193 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.78	7.78	UNIT		(0-20)	0.0

QC Ref #443199 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.59	7.58	UNIT		(0-20)	0.1

QC Ref #444186 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08060296	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	11400	11250	MGL		(0-10)	1.3
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	692	MGL	98.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	98.857	MGL	2.8	(0-20)	

QC Ref #444189 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070163	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	14100	14400	MGL		(0-10)	2.1
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	646	MGL	92.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	86.857	92.286	MGL	6.1	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#249900

Tronox LLC - Henderson
(continued)

QC Ref #445530 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08050630	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.999	MGL	99.9	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.011	MGL	110.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.936	MGL	93.6	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	

QC Ref #445531 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070384	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0112	MGL	112.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.995	MGL	99.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.009	MGL	100.9	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.004	MGL	100.4	(70-130)	

QC Ref #445647 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08060153	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.2	UGL	108.8	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

LCS3	Perchlorate	4	4.12	UGL	103.0	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	25.3	UGL	101.2	(80-120)
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)
RPD_LCS	Perchlorate	108.800	105.600	UGL	3.0	(0-15)
RPD_MS	Perchlorate	101.200	99.600	UGL	1.0	(0-15)

QC Ref #445648 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08070418	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.1	UGL	92.4	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	103.200	104.000	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	92.400	99.600	UGL	1.1	(0-15)	

QC Ref #446106 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080419	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	106.400	106.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	100.800	99.600	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 09 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 249949
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

September 10, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 249949

Enclosed is MWH Laboratories Report 249949

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 6, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Several samples for hexavalent chromium were received past the RCRA 24 hour holding time.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Several samples had TDS values that were not consistent with historical data or the conductivity. Those samples were rechecked to confirm original values.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

249949

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: TS/JS

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order								SAMPLER Comments
433	8-5-08		I-AA	RGW	X		X	X	X	X												2 Bottles
449	8-5-08		M-131	RGW	X		X	X	X	X												2 Bottles
518	8-5-08		M-64	RGW	X		X	X	X	X												2 Bottles
537	8-5-08		M-65	RGW	X		X	X	X	X												2 Bottles
557	8-5-08		M-66	RGW	X		X	X	X	X												2 Bottles
613	8-5-08		M-79	RGW	X		X	X	X	X												2 Bottles
628	8-5-08		M-69	RGW	X		X	X	X	X												2 Bottles
639	8-5-08		M-135	RGW	X		X	X	X	X												2 Bottles
—	8-5-08		M-98	RGW	X		X	X	X	X					NO	SAMPLE						~~2~~ 0 Bottles
651	8-5-08		M-99	RGW	X		X	X	X	X												2 Bottles
903	8-5-08		M-95	RGW	X		X	X	X	X												2 Bottles
845	8-5-08		M-57A	RGW	X		X	X	X	X												2 Bottles

* **MATRIX TYPES:**

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:	for Susan Crowley	Jose Sanchez	NWA	8-5-08	1200
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

CHAIN OF CUSTODY RECORD

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS / JS

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling; Schedule B

Sampler: Michele Brown (signature: Michele Brown)

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
930	8-5-08		M-34	RGW	X		X	X	X	X	X				3 Bottles
935	8-5-08		EB-1	RGW	X		X	X	X	X	X				3 Bottles
—	8-5-08		MD-5	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* **MATRIX TYPES:**

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-5-08	12:00PM
RECEIVED BY:	Joe Sanchez	JOE SANCHEZ	MWH	8-6-08	10
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Week 1
Period

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 43379 33699 RS
0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 06/23/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
101	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative		First, Third, and foruth quarters
15	CRVI7196	1 125ml poly acid rinsed/ no preservative SHORT HOLDING TIME!!!!!		NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht
				TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143277

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/05/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
☒ Prepaid ☐ Collect		Henderson, NV
N/AR		

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 35 Lbs One ice chest @ 24 Lbs One ice chest @ 52 Lbs One ice chest @ 58 Lbs Not Regulated		4 COOLERS

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 169	TOTAL TARE WEIGHT 0	169

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS853668/2124

Ship Date: 05AUG08
ActWgt: 52 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143277
Invoice #
PO #
Dept #

WED - 06AUG **A2**

TRK# 0201 7920 9257 4967 **PRIORITY OVERNIGHT**

QZ WHPA

91016
CA-US
BUR

After printing this label:
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MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249949
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/06/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808070384	I-AA	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 04:33:00
2808070394	M-131	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 04:49:00
2808070395	M-64	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 05:18:00
2808070396	M-65	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 05:37:00
2808070397	M-66	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 05:57:00
2808070399	M-79	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 06:13:00
2808070400	M-69	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 06:28:00
2808070401	M-135	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 06:39:00
2808070402	M-99	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 06:51:00
2808070403	M-25	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 09:03:00
2808070404	M-57A	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 08:45:00
2808070410	M-37	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	05-aug-2008 09:30:00
2808070418	EB-1	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	05-aug-2008 09:35:00
2808070427	MD-5	CLO4 CR6010 P PH9040 T TDS	Water	05-aug-2008 00:00:00

Test Acronym Description

Test Acronym	Description

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 249949
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#249949

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
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Laboratory
Hits Report
#249949

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070384	**I-AA**				
08/17/08	Chromium, Total, ICAP		0.070		mg/l	0.010
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/16/08	Perchlorate		129000		ug/l	8000
08/12/08	Total Dissolved Solid (TDS)		3340	500	mg/l	10
	2808070394	**M-131**				
08/17/08	Chromium, Total, ICAP		0.093		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/16/08	Perchlorate		70200		ug/l	4000
08/12/08	Total Dissolved Solid (TDS)		2940	500	mg/l	10
	2808070395	**M-64**				
08/17/08	Chromium, Total, ICAP		8.3		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/16/08	Perchlorate		605000		ug/l	40000
08/12/08	Total Dissolved Solid (TDS)		7570	500	mg/l	10
	2808070396	**M-65**				
08/17/08	Chromium, Total, ICAP		35		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/16/08	Perchlorate		1410000		ug/l	80000
08/12/08	Total Dissolved Solid (TDS)		17500	500	mg/l	10

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Hits Report
#249949

Tronox LLC - Henderson
Susan Crowley
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Henderson , NV 89009

Samples Received
06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070397	**M-66**				
	2808070397	**M-66**				
08/17/08	Chromium, Total, ICAP		35		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/16/08	Perchlorate		1740000		ug/l	80000
08/12/08	Total Dissolved Solid (TDS)		10100	500	mg/l	10
	2808070399	**M-79**				
08/17/08	Chromium, Total, ICAP		0.096		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
08/31/08	Perchlorate		15100		ug/l	800
08/12/08	Total Dissolved Solid (TDS)		4270	500	mg/l	10
	2808070400	**M-69**				
08/17/08	Chromium, Total, ICAP		0.120		mg/l	0.010
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		740000		ug/l	40000
08/12/08	Total Dissolved Solid (TDS)		4920	500	mg/l	10
	2808070401	**M-135**				
08/17/08	Chromium, Total, ICAP		0.088		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010

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Samples Received
06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070401	**M-135**				
08/16/08	Perchlorate		46700		ug/l	2000
08/12/08	Total Dissolved Solid (TDS)		3380	500	mg/l	10
	2808070402	**M-99**				
08/17/08	Chromium, Total, ICAP		0.32		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/16/08	Perchlorate		251000		ug/l	20000
08/12/08	Total Dissolved Solid (TDS)		4210	500	mg/l	10
	2808070403	**M-25**				
08/17/08	Chromium, Total, ICAP		13		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/16/08	Perchlorate		452000		ug/l	20000
08/12/08	Total Dissolved Solid (TDS)		9300	500	mg/l	10
	2808070404	**M-57A**				
08/17/08	Chromium, Total, ICAP		0.077		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/16/08	Perchlorate		26100		ug/l	2000
08/12/08	Total Dissolved Solid (TDS)		3090	500	mg/l	10
	2808070410	**M-37**				
08/17/08	Chromium, Total, ICAP		0.031		mg/l	0.020

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Susan Crowley
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Samples Received
06-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808070410	**M-37**				
08/06/08	Hexavalent chromium (Cr VI)		0.033		mg/l	0.0050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/16/08	Perchlorate		2100000		ug/l	200000
08/12/08	Total Dissolved Solid (TDS)		6070	500	mg/l	10
	2808070418	**EB-1**				
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		6.2		Units	0.0010
08/16/08	Perchlorate		255		ug/l	20
08/12/08	Total Dissolved Solid (TDS)		18	500	mg/l	10
	2808070427	**MD-5**				
08/17/08	Chromium, Total, ICAP		35		mg/l	0.10
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/20/08	Perchlorate		1400000		ug/l	80000
08/12/08	Total Dissolved Solid (TDS)		18300	500	mg/l	10

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Data Report
#249949

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/06/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-AA (2808070384) Sampled on 08/05/08 04:33								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	129000	ug/l	8000	2000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.070	mg/l	0.010	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3340	mg/l	10	1
M-131 (2808070394) Sampled on 08/05/08 04:49								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	70200	ug/l	4000	1000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.093	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2940	mg/l	10	1
M-64 (2808070395) Sampled on 08/05/08 05:18								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	605000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	8.3	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7570	mg/l	10	1
M-65 (2808070396) Sampled on 08/05/08 05:37								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	1410000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	17500	mg/l	10	1

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Data Report
#249949

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-66 (2808070397) Sampled on 08/05/08 05:57								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	1740000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10100	mg/l	10	1
M-79 (2808070399) Sampled on 08/05/08 06:13								
	08/31/08 18:26	448584	(EPA 314)	Perchlorate	15100	ug/l	800	200
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.096	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4270	mg/l	10	1
M-69 (2808070400) Sampled on 08/05/08 06:28								
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	740000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.120	mg/l	0.010	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4920	mg/l	10	1
M-135 (2808070401) Sampled on 08/05/08 06:39								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	46700	ug/l	2000	500
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.088	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3380	mg/l	10	1
M-99 (2808070402) Sampled on 08/05/08 06:51								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	251000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.32	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4210	mg/l	10	1

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#249949

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-25 (2808070403) Sampled on 08/05/08 09:03								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	452000	ug/l	20000	5000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9300	mg/l	10	1
M-57A (2808070404) Sampled on 08/05/08 08:45								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	26100	ug/l	2000	500
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.077	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3090	mg/l	10	1
M-37 (2808070410) Sampled on 08/05/08 09:30								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	2100000	ug/l	200000	50000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	0.031	mg/l	0.020	2
	08/06/08 17:21	442724	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.033	mg/l	0.0050	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6070	mg/l	10	1
EB-1 (2808070418) Sampled on 08/05/08 09:35								
	08/16/08 00:17	445648	(EPA 314)	Perchlorate	255	ug/l	20	5
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/06/08 17:21	442724	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.2	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MD-5 (2808070427) Sampled on 08/05/08 00:00								
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	1400000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 17:32	443193	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/12/08	08/12/08 14:05	445710	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18300	mg/l	10	1

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QC Summary
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Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 08/08/2008**

2808070384	I-AA	Analyzed by: jrf
2808070384	I-AA	Analyzed by: jrf
2808070394	M-131	Analyzed by: jrf
2808070394	M-131	Analyzed by: jrf
2808070395	M-64	Analyzed by: jrf
2808070395	M-64	Analyzed by: jrf
2808070396	M-65	Analyzed by: jrf
2808070396	M-65	Analyzed by: jrf
2808070397	M-66	Analyzed by: jrf
2808070397	M-66	Analyzed by: jrf
2808070399	M-79	Analyzed by: jrf
2808070399	M-79	Analyzed by: jrf
2808070400	M-69	Analyzed by: jrf
2808070400	M-69	Analyzed by: jrf
2808070401	M-135	Analyzed by: jrf
2808070401	M-135	Analyzed by: jrf
2808070402	M-99	Analyzed by: jrf
2808070402	M-99	Analyzed by: jrf
2808070403	M-25	Analyzed by: jrf
2808070403	M-25	Analyzed by: jrf
2808070404	M-57A	Analyzed by: jrf
2808070404	M-57A	Analyzed by: jrf
2808070410	M-37	Analyzed by: jrf
2808070410	M-37	Analyzed by: jrf
2808070418	EB-1	Analyzed by: jrf
2808070418	EB-1	Analyzed by: jrf
2808070427	MD-5	Analyzed by: jrf
2808070427	MD-5	Analyzed by: jrf

QC Ref #442724 - Hexavalent chromium (Cr VI) Analysis Date: 08/06/2008

2808070410	M-37	Analyzed by: azs
2808070418	EB-1	Analyzed by: azs

QC Ref #443193 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808070384	I-AA	Analyzed by: yvette
2808070394	M-131	Analyzed by: yvette
2808070395	M-64	Analyzed by: yvette
2808070396	M-65	Analyzed by: yvette
2808070397	M-66	Analyzed by: yvette

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(continued)

2808070399	M-79	Analyzed by: yvette
2808070400	M-69	Analyzed by: yvette
2808070401	M-135	Analyzed by: yvette
2808070402	M-99	Analyzed by: yvette
2808070403	M-25	Analyzed by: yvette
2808070404	M-57A	Analyzed by: yvette
2808070410	M-37	Analyzed by: yvette
2808070418	EB-1	Analyzed by: yvette
2808070427	MD-5	Analyzed by: yvette

QC Ref #445531 - Chromium, Total, ICAP **Analysis Date: 08/17/2008**

2808070384	I-AA	Analyzed by: csk
2808070394	M-131	Analyzed by: csk
2808070395	M-64	Analyzed by: csk
2808070396	M-65	Analyzed by: csk
2808070397	M-66	Analyzed by: csk
2808070399	M-79	Analyzed by: csk
2808070400	M-69	Analyzed by: csk
2808070401	M-135	Analyzed by: csk
2808070402	M-99	Analyzed by: csk
2808070403	M-25	Analyzed by: csk
2808070404	M-57A	Analyzed by: csk
2808070410	M-37	Analyzed by: csk
2808070418	EB-1	Analyzed by: csk
2808070427	MD-5	Analyzed by: csk

QC Ref #445648 - Perchlorate **Analysis Date: 08/16/2008**

2808070384	I-AA	Analyzed by: ser
2808070394	M-131	Analyzed by: ser
2808070395	M-64	Analyzed by: ser
2808070396	M-65	Analyzed by: ser
2808070397	M-66	Analyzed by: ser
2808070401	M-135	Analyzed by: ser
2808070402	M-99	Analyzed by: ser
2808070403	M-25	Analyzed by: ser
2808070404	M-57A	Analyzed by: ser
2808070410	M-37	Analyzed by: ser
2808070418	EB-1	Analyzed by: ser

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Laboratory
QC Summary
#249949

Tronox LLC - Henderson
(continued)

QC Ref #445710 - Total Dissolved Solid (TDS) **Analysis Date: 08/12/2008**

2808070384	I-AA	Analyzed by: axa
2808070394	M-131	Analyzed by: axa
2808070395	M-64	Analyzed by: axa
2808070396	M-65	Analyzed by: axa
2808070397	M-66	Analyzed by: axa
2808070399	M-79	Analyzed by: axa
2808070400	M-69	Analyzed by: axa
2808070401	M-135	Analyzed by: axa
2808070402	M-99	Analyzed by: axa
2808070403	M-25	Analyzed by: axa
2808070404	M-57A	Analyzed by: axa
2808070410	M-37	Analyzed by: axa
2808070418	EB-1	Analyzed by: axa
2808070427	MD-5	Analyzed by: axa

QC Ref #446058 - Perchlorate **Analysis Date: 08/20/2008**

2808070400	M-69	Analyzed by: ser
2808070427	MD-5	Analyzed by: ser

QC Ref #448584 - Perchlorate **Analysis Date: 08/31/2008**

2808070399	M-79	Analyzed by: ser

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Laboratory
QC Report
#249949

Tronox LLC - Henderson

QC Ref #442724 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070222	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.056	MGL	112.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.057	MGL	114.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.051	MGL	102.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.054	MGL	108.0	(70-130)	

QC Ref #443193 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.78	7.78	UNIT		(0-20)	0.0

QC Ref #445531 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070384	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0112	MGL	112.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.995	MGL	99.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.009	MGL	100.9	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.004	MGL	100.4	(70-130)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#249949

Tronox LLC - Henderson
(continued)

QC Ref #445648 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08070418	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.1	UGL	92.4	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	103.200	104.000	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	92.400	99.600	UGL	1.1	(0-15)	

QC Ref #445710 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070352	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	492	484	MGL		(0-10)	1.6
LCS1	Total Dissolved Solid (TDS)	175	160	MGL	91.4	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	650	MGL	92.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	91.429	92.857	MGL	1.5	(0-20)	

QC Ref #446058 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080266	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS2	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	
LCS3	Perchlorate	4	4.42	UGL	110.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)
MSD	Perchlorate	25.0	26.5	UGL	106.0	(80-120)
RPD_LCS	Perchlorate	104.400	108.400	UGL	3.8	(0-15)
RPD_MS	Perchlorate	100.800	106.000	UGL	1.1	(0-15)

QC Ref #448584 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08200475	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS2	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS3	Perchlorate	4	4.13	UGL	103.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.1	UGL	96.4	(80-120)	
MSD	Perchlorate	25.0	23.8	UGL	95.2	(80-120)	
RPD_LCS	Perchlorate	102.000	100.000	UGL	2.0	(0-15)	
RPD_MS	Perchlorate	96.400	95.200	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 11 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250101
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 14 page[s].

MWH

BUILDING A BETTER WORLD

September 12, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250101

Enclosed is MWH Laboratories Report 250101

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 7, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

One TDS sample (I-V sample 0400) had results that were inconsistent with history and was rerun with different results. It was flagged as analyzed past hold time.

Hexavalent chromium was received after the 24 hour holding time for RCRA samples. It was analyzed immediately upon receipt in the instrument lab, but is flagged as past holding time.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

740 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

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FAX 626 358-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

250101

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: EC/JS

SAMPLE TEMP, RECEIPT AT LAB: 5

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling — Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
707	8-6-08		I-2	RGW	X		X	X	X	X					2 Bottles
728	8-6-08		I-1	RGW	X		X	X	X	X					2 Bottles
726	8-6-08		I-V	RGW	X		X	X	X	X					2 Bottles
724	8-6-08		M-6M	RGW	X		X	X	X	X					2 Bottles
746	8-6-08		M-14	RGW	X		X	X	X	X					2 Bottles
810	8-6-08		M-13	RGW	X		X	X	X	X					2 Bottles
819	8-6-08		M-8B	RGW	X		X	X	X	X					2 Bottles
844	8-6-08		M-12A	RGW	X		X	X	X	X	X				3 Bottles
930	8-6-08		M-11	RGW	X		X	X	X	X	X				3 Bottles
	8-6-08		MD-1	RGW	X		X	X	X	X	X				3 Bottles
905	8-6-08		EB-2	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	[illegible]	[illegible]	8-7	[illegible]

C-O-C# smc052002

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250101
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/07/08.** They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808080390	I-Z	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:07:00
2808080399	I-I	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:28:00
2808080400	I-V	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:26:00
2808080402	M-67	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:24:00
2808080403	M-74	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:46:00
2808080404	M-73	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 08:10:00
2808080406	M-88	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 08:19:00
2808080409	M12A	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 08:44:00
2808080411	M11	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 09:30:00
2808080412	MD-1	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 08:00:00
2808080413	EB-2	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 07:05:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250101
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#250101

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808080400)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT with result of 15800mg/L and TDS/EC ratio of 1.05. Normal range for ratio is 0.55 to 0.70. Re-analysis was done on 9/4 with result of 10000mg/L and ratio of 0.60. Result from 9/4 enter ed with HA flag.

HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080390	**I-Z**				
08/17/08	Chromium, Total, ICAP		12		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		606000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		8500	500	mg/l	10
	2808080399	**I-I**				
08/17/08	Chromium, Total, ICAP		22		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/20/08	Perchlorate		1110000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		12100	500	mg/l	10
	2808080400	**I-V**				
08/17/08	Chromium, Total, ICAP		24		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/20/08	Perchlorate		1980000		ug/l	200000
09/04/08	Total Dissolved Solid (TDS)		10000	500	mg/l	10
	2808080402	**M-67**				
08/17/08	Chromium, Total, ICAP		7.1		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		561000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		8000	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080403	**M-74**				
	2808080403	**M-74**				
08/28/08	Chromium, Total, ICAP		0.89		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		60000		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		5940	500	mg/l	10
	2808080404	**M-73**				
08/28/08	Chromium, Total, ICAP		3.9		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		290000		ug/l	20000
08/13/08	Total Dissolved Solid (TDS)		4716	500	mg/l	10
	2808080406	**M-88**				
08/28/08	Chromium, Total, ICAP		0.87		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		50500		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		6530	500	mg/l	10
	2808080409	**M12A**				
08/28/08	Chromium, Total, ICAP		13		mg/l	0.050
08/07/08	Hexavalent chromium (Cr VI)		14.2		mg/l	0.50
08/25/08	Metals digestion performed.		Y		Yes/No	

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080409	**M12A**				
08/07/08	PH (H3=past HT, not compliant)		8.1		Units	0.0010
08/20/08	Perchlorate		354000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		8250	500	mg/l	10
	2808080411	**M11**				
08/28/08	Chromium, Total, ICAP		3.1		mg/l	0.020
08/07/08	Hexavalent chromium (Cr VI)		3.16		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		8.1		Units	0.0010
08/20/08	Perchlorate		43100		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		3260	500	mg/l	10
	2808080412	**MD-1**				
08/28/08	Chromium, Total, ICAP		3.0		mg/l	0.020
08/08/08	Hexavalent chromium (Cr VI)		3.22		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		8.1		Units	0.0010
08/21/08	Perchlorate		43400		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		3200	500	mg/l	10
	2808080413	**EB-2**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		6.2		Units	0.0010
08/20/08	Perchlorate		9.8		ug/l	4.0

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/07/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-Z (2808080390)			**Sampled on 08/06/08 07:07**					
	08/20/08 00:00	445811	(EPA 314)	Perchlorate	606000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	12	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8500	mg/l	10	1
I-I (2808080399)			**Sampled on 08/06/08 07:28**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1110000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	22	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12100	mg/l	10	1
I-V (2808080400)			**Sampled on 08/06/08 07:26**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1980000	ug/l	200000	50000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	24	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10000(HA)	mg/l	10	1
M-67 (2808080402)			**Sampled on 08/06/08 07:24**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	561000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	7.1	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8000	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-74 (2808080403) Sampled on 08/06/08 07:46								
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	60000	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.89	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5940	mg/l	10	1
M-73 (2808080404) Sampled on 08/06/08 08:10								
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	290000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.9	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4716	mg/l	10	1
M-88 (2808080406) Sampled on 08/06/08 08:19								
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	50500	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.87	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6530	mg/l	10	1
M12A (2808080409) Sampled on 08/06/08 08:44								
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	354000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	08/07/08 18:28	443207	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	14.2	mg/l	0.50	100
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	8.1	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8250	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M11 (2808080411)			**Sampled on 08/06/08 09:30**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	43100	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.1	mg/l	0.020	2
	08/07/08 18:28	443207	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	3.16	mg/l	0.10	20
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	8.1	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3260	mg/l	10	1
MD-1 (2808080412)			**Sampled on 08/06/08 08:00**					
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	43400	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.0	mg/l	0.020	2
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	3.22	mg/l	0.10	20
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	8.1	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3200	mg/l	10	1
EB-2 (2808080413)			**Sampled on 08/06/08 07:05**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	9.8	ug/l	4.0	1
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/07/08 18:28	443207	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.2	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1

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QC Summary
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QC Ref #0 - Metals Turbidity **Analysis Date: 08/11/2008**

2808080390	I-Z	Analyzed by: jrf
2808080390	I-Z	Analyzed by: jrf
2808080399	I-I	Analyzed by: jrf
2808080399	I-I	Analyzed by: jrf
2808080400	I-V	Analyzed by: jrf
2808080400	I-V	Analyzed by: jrf
2808080402	M-67	Analyzed by: jrf
2808080402	M-67	Analyzed by: jrf
2808080403	M-74	Analyzed by: jrf
2808080403	M-74	Analyzed by: jrf
2808080404	M-73	Analyzed by: jrf
2808080404	M-73	Analyzed by: jrf
2808080406	M-88	Analyzed by: jrf
2808080406	M-88	Analyzed by: jrf
2808080409	M12A	Analyzed by: jrf
2808080409	M12A	Analyzed by: jrf
2808080411	M11	Analyzed by: jrf
2808080411	M11	Analyzed by: jrf
2808080412	MD-1	Analyzed by: jrf
2808080412	MD-1	Analyzed by: jrf
2808080413	EB-2	Analyzed by: jrf
2808080413	EB-2	Analyzed by: jrf

QC Ref #443206 - Hexavalent chromium (Cr VI) **Analysis Date: 08/08/2008**

2808080412	MD-1	Analyzed by: azs

QC Ref #443207 - Hexavalent chromium (Cr VI) **Analysis Date: 08/07/2008**

2808080409	M12A	Analyzed by: azs
2808080411	M11	Analyzed by: azs
2808080413	EB-2	Analyzed by: azs

QC Ref #443215 - PH (H3=past HT, not compliant) **Analysis Date: 08/07/2008**

2808080390	I-Z	Analyzed by: yvette
2808080399	I-I	Analyzed by: yvette
2808080400	I-V	Analyzed by: yvette
2808080402	M-67	Analyzed by: yvette
2808080403	M-74	Analyzed by: yvette

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2808080404	M-73	Analyzed by: yvette
2808080406	M-88	Analyzed by: yvette
2808080409	M12A	Analyzed by: yvette
2808080411	M11	Analyzed by: yvette
2808080412	MD-1	Analyzed by: yvette
2808080413	EB-2	Analyzed by: yvette

QC Ref #445531 - Chromium, Total, ICAP **Analysis Date: 08/17/2008**

2808080390	I-Z	Analyzed by: csk
2808080399	I-I	Analyzed by: csk
2808080400	I-V	Analyzed by: csk
2808080402	M-67	Analyzed by: csk

QC Ref #445811 - Perchlorate **Analysis Date: 08/20/2008**

2808080390	I-Z	Analyzed by: ser

QC Ref #446069 - Total Dissolved Solid (TDS) **Analysis Date: 08/13/2008**

2808080390	I-Z	Analyzed by: axa
2808080399	I-I	Analyzed by: axa
2808080402	M-67	Analyzed by: axa
2808080403	M-74	Analyzed by: axa
2808080404	M-73	Analyzed by: axa
2808080406	M-88	Analyzed by: axa
2808080409	M12A	Analyzed by: axa
2808080411	M11	Analyzed by: axa
2808080412	MD-1	Analyzed by: axa
2808080413	EB-2	Analyzed by: axa

QC Ref #446106 - Perchlorate **Analysis Date: 08/20/2008**

2808080399	I-I	Analyzed by: ser
2808080400	I-V	Analyzed by: ser
2808080402	M-67	Analyzed by: ser
2808080403	M-74	Analyzed by: ser
2808080404	M-73	Analyzed by: ser
2808080406	M-88	Analyzed by: ser
2808080409	M12A	Analyzed by: ser

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2808080411	M11	Analyzed by: ser
2808080413	EB-2	Analyzed by: ser

QC Ref #446320 - Perchlorate **Analysis Date: 08/21/2008**

2808080412	MD-1	Analyzed by: ser

QC Ref #447768 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808080403	M-74	Analyzed by: csk
2808080404	M-73	Analyzed by: csk
2808080406	M-88	Analyzed by: csk
2808080409	M12A	Analyzed by: csk
2808080411	M11	Analyzed by: csk
2808080412	MD-1	Analyzed by: csk
2808080413	EB-2	Analyzed by: csk

QC Ref #449534 - Total Dissolved Solid (TDS) **Analysis Date: 09/04/2008**

2808080400	I-V	Analyzed by: axa
2808080400	I-V	Analyzed by: axa

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QC Ref #443206 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08090018	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	

QC Ref #443207 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080413	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	(70-130)	

QC Ref #443215 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.59	7.45	UNIT		(0-20)	1.9

QC Ref #445531 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070384	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0112	MGL	112.0	(50-150)
MS	Chromium, Total, ICAP	1.00	0.995	MGL	99.5	(70-130)
MS2	Chromium, Total, ICAP	1.00	1.009	MGL	100.9	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	1.004	MGL	100.4	(70-130)

QC Ref #445811 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08140068	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS2	Perchlorate	25.0	26.7	UGL	106.8	(85-115)	
LCS3	Perchlorate	4	4.53	UGL	113.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.8	UGL	103.2	(80-120)	
MSD	Perchlorate	25.0	26.4	UGL	105.6	(80-120)	
RPD_LCS	Perchlorate	104.000	106.800	UGL	2.7	(0-15)	
RPD_MS	Perchlorate	103.200	105.600	UGL	1.0	(0-15)	

QC Ref #446069 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	0808347	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	59	59	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	698	MGL	99.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	99.714	MGL	11.2	(0-20)	

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Tronox LLC - Henderson
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QC Ref #446106 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080419	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	106.400	106.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	100.800	99.600	UGL	1.0	(0-15)	

QC Ref #446320 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090086	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
RPD_LCS	Perchlorate	110.000	105.600	UGL	4.1	(0-15)	
RPD_MS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)	

QC Ref #447768 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080474	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.962	MGL	96.2	(85-115)	

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MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)
MS	Chromium, Total, ICAP	1.00	0.965	MGL	96.5	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.916	MGL	91.6	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	(70-130)

QC Ref #449534 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08290378	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	246	252	MGL		(0-10)	2.4
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	640	MGL	91.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	91.429	MGL	1.3	(0-20)	

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Laboratory Report

for

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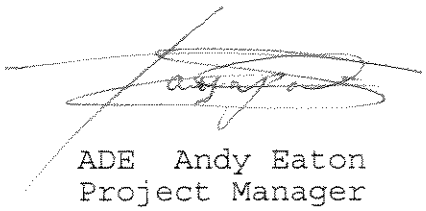
DATE OF ISSUE
Sep 11 2008
MWH LABORATORIES



ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250101
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 14 page[s].

MWH

BUILDING A BETTER WORLD

September 12, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250101

Enclosed is MWH Laboratories Report 250101

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 7, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

One TDS sample (I-V sample 0400) had results that were inconsistent with history and was rerun with different results. It was flagged as analyzed past hold time.

Hexavalent chromium was received after the 24 hour holding time for RCRA samples. It was analyzed immediately upon receipt in the instrument lab, but is flagged as past holding time.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

[illegible]

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

250101

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC/JS

SAMPLE TEMP, RECEIPT AT LAB: 5

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
1017	8-6-08		I-2	RGW	X		X	X	X	X					2 Bottles
1288	8-6-08		I-1	RGW	X		X	X	X	X					2 Bottles
1226	8-6-08		I-V	RGW	X		X	X	X	X					2 Bottles
1224	8-6-08		M-6M	RGW	X		X	X	X	X					2 Bottles
1146	8-6-08		M-14	RGW	X		X	X	X	X					2 Bottles
810	8-6-08		M-13	RGW	X		X	X	X	X					2 Bottles
1198	8-6-08		M-88	RGW	X		X	X	X	X					2 Bottles
844	8-6-08		M-12A	RGW	X		X	X	X	X	X				3 Bottles
930	8-6-08		M-11	RGW	X		X	X	X	X	X				3 Bottles
	8-6-08		MD-1	RGW	X		X	X	X	X	X				3 Bottles
1058	8-6-08		FB-2	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	Fed Ex		8-7	[illegible]

C-O-C# smc052002

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250101
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/07/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808080390	I-Z	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:07:00
2808080399	I-I	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:28:00
2808080400	I-V	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:26:00
2808080402	M-67	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:24:00
2808080403	M-74	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 07:46:00
2808080404	M-73	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 08:10:00
2808080406	M-88	CLO4 CR6010 P PH9040 T TDS	Water	06-aug-2008 08:19:00
2808080409	M12A	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 08:44:00
2808080411	M11	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 09:30:00
2808080412	MD-1	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 08:00:00
2808080413	EB-2	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-aug-2008 07:05:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)

Tronox LLC - Henderson
PO Box 55
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Phone: 702-651-2234

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Group#: 250101
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#250101

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808080400)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT with result of 15800mg/L and TDS/EC ratio of 1.05. Normal range for ratio is 0.55 to 0.70. Re-analysis was done on 9/4 with result of 10000mg/L and ratio of 0.60. Result from 9/4 enter ed with HA flag.

HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080390	**I-Z**				
08/17/08	Chromium, Total, ICAP		12		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		606000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		8500	500	mg/l	10
	2808080399	**I-I**				
08/17/08	Chromium, Total, ICAP		22		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/20/08	Perchlorate		1110000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		12100	500	mg/l	10
	2808080400	**I-V**				
08/17/08	Chromium, Total, ICAP		24		mg/l	0.050
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/20/08	Perchlorate		1980000		ug/l	200000
09/04/08	Total Dissolved Solid (TDS)		10000	500	mg/l	10
	2808080402	**M-67**				
08/17/08	Chromium, Total, ICAP		7.1		mg/l	0.020
08/15/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		561000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		8000	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080403	**M-74**				
	2808080403	**M-74**				
08/28/08	Chromium, Total, ICAP		0.89		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		60000		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		5940	500	mg/l	10
	2808080404	**M-73**				
08/28/08	Chromium, Total, ICAP		3.9		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		290000		ug/l	20000
08/13/08	Total Dissolved Solid (TDS)		4716	500	mg/l	10
	2808080406	**M-88**				
08/28/08	Chromium, Total, ICAP		0.87		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		50500		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		6530	500	mg/l	10
	2808080409	**M12A**				
08/28/08	Chromium, Total, ICAP		13		mg/l	0.050
08/07/08	Hexavalent chromium (Cr VI)		14.2		mg/l	0.50
08/25/08	Metals digestion performed.		Y		Yes/No	

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080409	**M12A**				
08/07/08	PH (H3=past HT, not compliant)		8.1		Units	0.0010
08/20/08	Perchlorate		354000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		8250	500	mg/l	10
	2808080411	**M11**				
08/28/08	Chromium, Total, ICAP		3.1		mg/l	0.020
08/07/08	Hexavalent chromium (Cr VI)		3.16		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		8.1		Units	0.0010
08/20/08	Perchlorate		43100		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		3260	500	mg/l	10
	2808080412	**MD-1**				
08/28/08	Chromium, Total, ICAP		3.0		mg/l	0.020
08/08/08	Hexavalent chromium (Cr VI)		3.22		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		8.1		Units	0.0010
08/21/08	Perchlorate		43400		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		3200	500	mg/l	10
	2808080413	**EB-2**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		6.2		Units	0.0010
08/20/08	Perchlorate		9.8		ug/l	4.0

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#250101

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/07/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-Z (2808080390)			**Sampled on 08/06/08 07:07**					
	08/20/08 00:00	445811	(EPA 314)	Perchlorate	606000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	12	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8500	mg/l	10	1
I-I (2808080399)			**Sampled on 08/06/08 07:28**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1110000	ug/l	80000	20000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	22	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12100	mg/l	10	1
I-V (2808080400)			**Sampled on 08/06/08 07:26**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1980000	ug/l	200000	50000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	24	mg/l	0.050	5
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10000(HA)	mg/l	10	1
M-67 (2808080402)			**Sampled on 08/06/08 07:24**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	561000	ug/l	40000	10000
08/15/08	08/17/08 00:00	445531	(ML/EPA 6010B)	Chromium, Total, ICAP	7.1	mg/l	0.020	2
	08/15/08 15:28		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8000	mg/l	10	1

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Laboratory
Data Report
#250101

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-74 (2808080403)			**Sampled on 08/06/08 07:46**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	60000	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.89	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5940	mg/l	10	1
M-73 (2808080404)			**Sampled on 08/06/08 08:10**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	290000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.9	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4716	mg/l	10	1
M-88 (2808080406)			**Sampled on 08/06/08 08:19**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	50500	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.87	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6530	mg/l	10	1
M12A (2808080409)			**Sampled on 08/06/08 08:44**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	354000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	08/07/08 18:28	443207	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	14.2	mg/l	0.50	100
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	8.1	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8250	mg/l	10	1

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Laboratory
Data Report
#250101

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M11 (2808080411)			**Sampled on 08/06/08 09:30**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	43100	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.1	mg/l	0.020	2
	08/07/08 18:28	443207	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	3.16	mg/l	0.10	20
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	8.1	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3260	mg/l	10	1
MD-1 (2808080412)			**Sampled on 08/06/08 08:00**					
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	43400	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.0	mg/l	0.020	2
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	3.22	mg/l	0.10	20
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	8.1	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3200	mg/l	10	1
EB-2 (2808080413)			**Sampled on 08/06/08 07:05**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	9.8	ug/l	4.0	1
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/07/08 18:28	443207	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.2	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1

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Laboratory
QC Summary
#250101

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 08/11/2008**

2808080390	I-Z	Analyzed by: jrf
2808080390	I-Z	Analyzed by: jrf
2808080399	I-I	Analyzed by: jrf
2808080399	I-I	Analyzed by: jrf
2808080400	I-V	Analyzed by: jrf
2808080400	I-V	Analyzed by: jrf
2808080402	M-67	Analyzed by: jrf
2808080402	M-67	Analyzed by: jrf
2808080403	M-74	Analyzed by: jrf
2808080403	M-74	Analyzed by: jrf
2808080404	M-73	Analyzed by: jrf
2808080404	M-73	Analyzed by: jrf
2808080406	M-88	Analyzed by: jrf
2808080406	M-88	Analyzed by: jrf
2808080409	M12A	Analyzed by: jrf
2808080409	M12A	Analyzed by: jrf
2808080411	M11	Analyzed by: jrf
2808080411	M11	Analyzed by: jrf
2808080412	MD-1	Analyzed by: jrf
2808080412	MD-1	Analyzed by: jrf
2808080413	EB-2	Analyzed by: jrf
2808080413	EB-2	Analyzed by: jrf

QC Ref #443206 - Hexavalent chromium (Cr VI) **Analysis Date: 08/08/2008**

2808080412	MD-1	Analyzed by: azs

QC Ref #443207 - Hexavalent chromium (Cr VI) **Analysis Date: 08/07/2008**

2808080409	M12A	Analyzed by: azs
2808080411	M11	Analyzed by: azs
2808080413	EB-2	Analyzed by: azs

QC Ref #443215 - PH (H3=past HT, not compliant) **Analysis Date: 08/07/2008**

2808080390	I-Z	Analyzed by: yvette
2808080399	I-I	Analyzed by: yvette
2808080400	I-V	Analyzed by: yvette
2808080402	M-67	Analyzed by: yvette
2808080403	M-74	Analyzed by: yvette

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Tronox LLC - Henderson
(continued)

2808080404	M-73	Analyzed by: yvette
2808080406	M-88	Analyzed by: yvette
2808080409	M12A	Analyzed by: yvette
2808080411	M11	Analyzed by: yvette
2808080412	MD-1	Analyzed by: yvette
2808080413	EB-2	Analyzed by: yvette

QC Ref #445531 - Chromium, Total, ICAP **Analysis Date: 08/17/2008**

2808080390	I-Z	Analyzed by: csk
2808080399	I-I	Analyzed by: csk
2808080400	I-V	Analyzed by: csk
2808080402	M-67	Analyzed by: csk

QC Ref #445811 - Perchlorate **Analysis Date: 08/20/2008**

2808080390	I-Z	Analyzed by: ser

QC Ref #446069 - Total Dissolved Solid (TDS) **Analysis Date: 08/13/2008**

2808080390	I-Z	Analyzed by: axa
2808080399	I-I	Analyzed by: axa
2808080402	M-67	Analyzed by: axa
2808080403	M-74	Analyzed by: axa
2808080404	M-73	Analyzed by: axa
2808080406	M-88	Analyzed by: axa
2808080409	M12A	Analyzed by: axa
2808080411	M11	Analyzed by: axa
2808080412	MD-1	Analyzed by: axa
2808080413	EB-2	Analyzed by: axa

QC Ref #446106 - Perchlorate **Analysis Date: 08/20/2008**

2808080399	I-I	Analyzed by: ser
2808080400	I-V	Analyzed by: ser
2808080402	M-67	Analyzed by: ser
2808080403	M-74	Analyzed by: ser
2808080404	M-73	Analyzed by: ser
2808080406	M-88	Analyzed by: ser
2808080409	M12A	Analyzed by: ser

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Tronox LLC - Henderson
(continued)

2808080411	M11	Analyzed by: ser
2808080413	EB-2	Analyzed by: ser

QC Ref #446320 - Perchlorate **Analysis Date: 08/21/2008**

2808080412	MD-1	Analyzed by: ser

QC Ref #447768 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808080403	M-74	Analyzed by: csk
2808080404	M-73	Analyzed by: csk
2808080406	M-88	Analyzed by: csk
2808080409	M12A	Analyzed by: csk
2808080411	M11	Analyzed by: csk
2808080412	MD-1	Analyzed by: csk
2808080413	EB-2	Analyzed by: csk

QC Ref #449534 - Total Dissolved Solid (TDS) **Analysis Date: 09/04/2008**

2808080400	I-V	Analyzed by: axa
2808080400	I-V	Analyzed by: axa

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Laboratory
QC Report
#250101

Tronox LLC - Henderson

QC Ref #443206 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08090018	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	

QC Ref #443207 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080413	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	(70-130)	

QC Ref #443215 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.59	7.45	UNIT		(0-20)	1.9

QC Ref #445531 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08070384	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0112	MGL	112.0	(50-150)
MS	Chromium, Total, ICAP	1.00	0.995	MGL	99.5	(70-130)
MS2	Chromium, Total, ICAP	1.00	1.009	MGL	100.9	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.980	MGL	98.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	1.004	MGL	100.4	(70-130)

QC Ref #445811 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08140068	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS2	Perchlorate	25.0	26.7	UGL	106.8	(85-115)	
LCS3	Perchlorate	4	4.53	UGL	113.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.8	UGL	103.2	(80-120)	
MSD	Perchlorate	25.0	26.4	UGL	105.6	(80-120)	
RPD_LCS	Perchlorate	104.000	106.800	UGL	2.7	(0-15)	
RPD_MS	Perchlorate	103.200	105.600	UGL	1.0	(0-15)	

QC Ref #446069 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	0808347	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	59	59	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	698	MGL	99.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	99.714	MGL	11.2	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#250101

Tronox LLC - Henderson
(continued)

QC Ref #446106 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080419	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	106.400	106.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	100.800	99.600	UGL	1.0	(0-15)	

QC Ref #446320 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090086	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
RPD_LCS	Perchlorate	110.000	105.600	UGL	4.1	(0-15)	
RPD_MS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)	

QC Ref #447768 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080474	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.962	MGL	96.2	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)
MS	Chromium, Total, ICAP	1.00	0.965	MGL	96.5	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.916	MGL	91.6	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	(70-130)

QC Ref #449534 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08290378	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	246	252	MGL		(0-10)	2.4
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	640	MGL	91.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	91.429	MGL	1.3	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 11 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250123
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

September 12, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250123

Enclosed is MWH Laboratories Report 250123

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 7, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Several TDS samples (M-34, M-39, M-68) had results that were inconsistent with history and were rerun with different results. It was flagged as analyzed past hold time.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

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www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

2 50123

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: 9 CKS

SAMPLE TEMP, RECEIPT AT LAB: 5°

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
355	8-6-08		M-92	RGW	X		X	X	X	X					Bottles
417	8-6-08		M-97	RGW	X		X	X	X	X					Bottles
505	8-6-08		M-31A	RGW	X		X	X	X	X					Bottles
533	8-6-08		M-50	RGW	X		X	X	X	X					Bottles
546	8-6-08		M-34	RGW	X		X	X	X	X					Bottles
604	8-6-08		M-35	RGW	X		X	X	X	X					Bottles
617	8-6-08		M-19	RGW	X		X	X	X	X					Bottles
631	8-6-08		M-39	RGW	X		X	X	X	X					Bottles
647	8-6-08		M-68	RGW	X		X	X	X	X					Bottles
702	8-6-08		M-61	RGW	X		X	X	X	X					Bottles
642	8-6-08		I-K	RGW	X		X	X	X	X					Bottles
651	8-6-08		I-J	RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		FOR Change		8-25	1200

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Week 1
Period

Andrew Eaton **Your MWL Project Manager**
(626) 386-1125 **Direct Phone/Voice Mail**

SO# 43379 33899 **RS**
0

Created by **MWH**
Order Date 06/23/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250123
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/07/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808080454	M-92		Water	06-aug-2008 03:55:00
		CLO4 CR6010 P PH9040 T TDS		
2808080465	M-97		Water	06-aug-2008 04:17:00
		CLO4 CR6010 P PH9040 T TDS		
2808080469	M-31A		Water	06-aug-2008 05:05:00
		CLO4 CR6010 P PH9040 T TDS		
2808080471	M-50		Water	06-aug-2008 05:33:00
		CLO4 CR6010 P PH9040 T TDS		
2808080472	M-34		Water	06-aug-2008 05:46:00
		CLO4 CR6010 P PH9040 T TDS		
2808080473	M-35		Water	06-aug-2008 06:04:00
		CLO4 CR6010 P PH9040 T TDS		
2808080474	M-19		Water	06-aug-2008 06:17:00
		CLO4 CR6010 P PH9040 T TDS		
2808080475	M-39		Water	06-aug-2008 06:31:00
		CLO4 CR6010 P PH9040 T TDS		
2808080476	M-68		Water	06-aug-2008 06:47:00
		CLO4 CR6010 P PH9040 T TDS		
2808080477	M-61		Water	06-aug-2008 07:02:00
		CLO4 CR6010 P PH9040 T TDS		
2808080478	I-K		Water	06-aug-2008 06:42:00
		CLO4 CR6010 P PH9040 T TDS		
2808080479	I-J		Water	06-aug-2008 06:51:00
		CLO4 CR6010 P PH9040 T TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250123
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#250123

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808080472)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT and with result of 12900mg/L. The TDS/EC ratio was 1.08. Normal ratio is 0.55 to 0.70. Rerun on 9/4 yield result of 8150mg/L and ratio of 0.67%. Result from 9/4 reported with HA flag.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2808080475)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT and result of 10400mg/L with TDS/EC ratio of 1.15. Reanalysis was done on 9/4 past HT with result of 6150mg/L and ratio of 0.68. 9/4 result reported with HA flag.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2808080476)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT. The result was 8960mg/L with TDS/EC ratio of 1.00. Reanalysis was done on 9/4 passed HT. The result was 6960mg/L with ratio of 0.77 . Normal ratio is between 0.55 to 0.70. 9/4 result reported with HA flag.
HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#250123

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080454	**M-92**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
08/20/08	Perchlorate		886		ug/l	40
08/13/08	Total Dissolved Solid (TDS)		1950	500	mg/l	10
	2808080465	**M-97**				
08/28/08	Chromium, Total, ICAP		0.041		mg/l	0.010
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		75600		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		3710	500	mg/l	10
	2808080469	**M-31A**				
08/28/08	Chromium, Total, ICAP		11		mg/l	0.050
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		1470000		ug/l	200000
08/13/08	Total Dissolved Solid (TDS)		9200	500	mg/l	10
	2808080471	**M-50**				
08/28/08	Chromium, Total, ICAP		32		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.68		Units	0.0010
08/20/08	Perchlorate		1140000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		14800	500	mg/l	10
	2808080472	**M-34**				

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Tronox LLC - Henderson
Susan Crowley
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Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080472	**M-34**				
08/28/08	Chromium, Total, ICAP		15		mg/l	0.050
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		1730000		ug/l	200000
09/04/08	Total Dissolved Solid (TDS)		8150	500	mg/l	10
	2808080473	**M-35**				
08/28/08	Chromium, Total, ICAP		7.6		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/11/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		313000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		5860	500	mg/l	10
	2808080474	**M-19**				
08/28/08	Chromium, Total, ICAP		0.35		mg/l	0.010
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		1880		ug/l	200
08/13/08	Total Dissolved Solid (TDS)		3940	500	mg/l	10
	2808080475	**M-39**				
08/28/08	Chromium, Total, ICAP		5.2		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/11/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/20/08	Perchlorate		490000		ug/l	20000
09/04/08	Total Dissolved Solid (TDS)		6180	500	mg/l	10

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Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080475	**M-39**				
	2808080476	**M-68**				
08/28/08	Chromium, Total, ICAP		1.1		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		83200		ug/l	4000
09/04/08	Total Dissolved Solid (TDS)		6960	500	mg/l	10
	2808080477	**M-61**				
08/28/08	Chromium, Total, ICAP		1.4		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/21/08	Perchlorate		110000		ug/l	8000
08/13/08	Total Dissolved Solid (TDS)		5780	500	mg/l	10
	2808080478	**I-K**				
08/28/08	Chromium, Total, ICAP		1.2		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		93700		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		5900	500	mg/l	10
	2808080479	**I-J**				
08/28/08	Chromium, Total, ICAP		3.0		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010

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Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080479	I-J				
08/20/08	Perchlorate		257000		ug/l	20000
08/13/08	Total Dissolved Solid (TDS)		6630	500	mg/l	10

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Data Report
#250123

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/07/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-92 (2808080454)			**Sampled on 08/06/08 03:55**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	886	ug/l	40	10
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 20:38	443205	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1950	mg/l	10	1
M-97 (2808080465)			**Sampled on 08/06/08 04:17**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	75600	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.041	mg/l	0.010	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3710	mg/l	10	1
M-31A (2808080469)			**Sampled on 08/06/08 05:05**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1470000	ug/l	200000	50000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	11	mg/l	0.050	5
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9200	mg/l	10	1
M-50 (2808080471)			**Sampled on 08/06/08 05:33**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1140000	ug/l	80000	20000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	32	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.68	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	14800	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-34 (2808080472)			**Sampled on 08/06/08 05:46**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1730000	ug/l	200000	50000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	15	mg/l	0.050	5
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8150(HA)	mg/l	10	1
M-35 (2808080473)			**Sampled on 08/06/08 06:04**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	313000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	7.6	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/11/08 15:23	443417	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5860	mg/l	10	1
M-19 (2808080474)			**Sampled on 08/06/08 06:17**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	1880	ug/l	200	50
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.35	mg/l	0.010	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 20:38	443205	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3940	mg/l	10	1
M-39 (2808080475)			**Sampled on 08/06/08 06:31**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	490000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	5.2	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/11/08 15:23	443417	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6180(HA)	mg/l	10	1
M-68 (2808080476)			**Sampled on 08/06/08 06:47**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	83200	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	1.1	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6960(HA)	mg/l	10	1

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Data Report
#250123

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-61 (2808080477) Sampled on 08/06/08 07:02								
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	110000	ug/l	8000	2000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	1.4	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5780	mg/l	10	1
I-K (2808080478) Sampled on 08/06/08 06:42								
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	93700	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5900	mg/l	10	1
I-J (2808080479) Sampled on 08/06/08 06:51								
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	257000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.0	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 20:38	443205	(ML/EPA 9040B)	PH (H3=pa#t HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6630	mg/l	10	1

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Laboratory
QC Summary
#250123

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 08/11/2008**

2808080454	M-92	Analyzed by: jrf
2808080454	M-92	Analyzed by: jrf
2808080465	M-97	Analyzed by: jrf
2808080465	M-97	Analyzed by: jrf
2808080469	M-31A	Analyzed by: jrf
2808080469	M-31A	Analyzed by: jrf
2808080471	M-50	Analyzed by: jrf
2808080471	M-50	Analyzed by: jrf
2808080472	M-34	Analyzed by: jrf
2808080472	M-34	Analyzed by: jrf
2808080473	M-35	Analyzed by: jrf
2808080473	M-35	Analyzed by: jrf
2808080474	M-19	Analyzed by: jrf
2808080474	M-19	Analyzed by: jrf
2808080475	M-39	Analyzed by: jrf
2808080475	M-39	Analyzed by: jrf
2808080476	M-68	Analyzed by: jrf
2808080476	M-68	Analyzed by: jrf
2808080477	M-61	Analyzed by: jrf
2808080477	M-61	Analyzed by: jrf
2808080478	I-K	Analyzed by: jrf
2808080478	I-K	Analyzed by: jrf
2808080479	I-J	Analyzed by: jrf
2808080479	I-J	Analyzed by: jrf

QC Ref #443205 - PH (H3=past HT, not compliant)Analysis Date: 08/07/2008

2808080454	M-92	Analyzed by: yvette
2808080474	M-19	Analyzed by: yvette
2808080479	I-J	Analyzed by: yvette

QC Ref #443215 - PH (H3=past HT, not compliant)Analysis Date: 08/07/2008

2808080465	M-97	Analyzed by: yvette
2808080469	M-31A	Analyzed by: yvette
2808080471	M-50	Analyzed by: yvette
2808080472	M-34	Analyzed by: yvette
2808080476	M-68	Analyzed by: yvette
2808080477	M-61	Analyzed by: yvette
2808080478	I-K	Analyzed by: yvette

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Tronox LLC - Henderson
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QC Ref #443417 - PH (H3=past HT, not compliant) Analysis Date: 08/11/2008

2808080473	M-35	Analyzed by: yvette
2808080475	M-39	Analyzed by: yvette

QC Ref #446058 - Perchlorate Analysis Date: 08/20/2008

2808080474	M-19	Analyzed by: ser
2808080475	M-39	Analyzed by: ser
2808080476	M-68	Analyzed by: ser
2808080478	I-K	Analyzed by: ser
2808080479	I-J	Analyzed by: ser

QC Ref #446069 - Total Dissolved Solid (TDS) Analysis Date: 08/13/2008

2808080454	M-92	Analyzed by: axa

QC Ref #446106 - Perchlorate Analysis Date: 08/20/2008

2808080454	M-92	Analyzed by: ser
2808080465	M-97	Analyzed by: ser
2808080469	M-31A	Analyzed by: ser
2808080471	M-50	Analyzed by: ser
2808080472	M-34	Analyzed by: ser
2808080473	M-35	Analyzed by: ser

QC Ref #446320 - Perchlorate Analysis Date: 08/21/2008

2808080477	M-61	Analyzed by: ser

QC Ref #447554 - Total Dissolved Solid (TDS) Analysis Date: 08/13/2008

2808080465	M-97	Analyzed by: axa
2808080469	M-31A	Analyzed by: axa
2808080471	M-50	Analyzed by: axa
2808080473	M-35	Analyzed by: axa
2808080474	M-19	Analyzed by: axa

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2808080477	M-61	Analyzed by: axa
2808080478	I-K	Analyzed by: axa
2808080479	I-J	Analyzed by: axa

QC Ref #447768 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808080454	M-92	Analyzed by: csk
2808080465	M-97	Analyzed by: csk
2808080469	M-31A	Analyzed by: csk
2808080471	M-50	Analyzed by: csk
2808080472	M-34	Analyzed by: csk
2808080473	M-35	Analyzed by: csk
2808080474	M-19	Analyzed by: csk
2808080475	M-39	Analyzed by: csk
2808080476	M-68	Analyzed by: csk
2808080477	M-61	Analyzed by: csk
2808080478	I-K	Analyzed by: csk
2808080479	I-J	Analyzed by: csk

QC Ref #449534 - Total Dissolved Solid (TDS) **Analysis Date: 09/04/2008**

2808080472	M-34	Analyzed by: axa
2808080472	M-34	Analyzed by: axa
2808080475	M-39	Analyzed by: axa
2808080475	M-39	Analyzed by: axa
2808080476	M-68	Analyzed by: axa
2808080476	M-68	Analyzed by: axa

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QC Report
#250123

Tronox LLC - Henderson

QC Ref #443205 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	8.01	7.97	UNIT		(0-20)	0.5

QC Ref #443215 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.59	7.45	UNIT		(0-20)	1.9

QC Ref #443417 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.66	7.71	UNIT		(0-20)	0.7

QC Ref #446058 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080266	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS2	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	
LCS3	Perchlorate	4	4.42	UGL	110.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	26.5	UGL	106.0	(80-120)	
RPD_LCS	Perchlorate	104.400	108.400	UGL	3.8	(0-15)	
RPD_MS	Perchlorate	100.800	106.000	UGL	1.1	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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Tronox LLC - Henderson
(continued)

QC Ref #446069 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	0808347	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	59	59	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	698	MGL	99.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	99.714	MGL	11.2	(0-20)	

QC Ref #446106 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080419	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	106.400	106.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	100.800	99.600	UGL	1.0	(0-15)	

QC Ref #446320 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090086	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)
RPD_LCS	Perchlorate	110.000	105.600	UGL	4.1	(0-15)
RPD_MS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)

QC Ref #447554 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080464	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3260	3240	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	668	MGL	95.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	95.429	MGL	6.8	(0-20)	

QC Ref #447768 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080474	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.962	MGL	96.2	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.965	MGL	96.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.916	MGL	91.6	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	(70-130)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#250123

Tronox LLC - Henderson
(continued)

QC Ref #449534 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08290378	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	246	252	MGL		(0-10)	2.4
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	640	MGL	91.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	91.429	MGL	1.3	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 11 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250123
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

September 12, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250123

Enclosed is MWH Laboratories Report 250123

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 7, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Several TDS samples (M-34, M-39, M-68) had results that were inconsistent with history and were rerun with different results. It was flagged as analyzed past hold time.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

[illegible]

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

250123

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JCS

SAMPLE TEMP, RECEIPT AT LAB: 3°

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ✓

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
355	8-6-08		M-92	RGW	X		X	X	X	X					Bottles
4178	8-6-08		M-97	RGW	X		X	X	X	X					Bottles
505	8-6-08		M-31A	RGW	X		X	X	X	X					Bottles
533	8-6-08		M-50	RGW	X		X	X	X	X					Bottles
546	8-6-08		M-34	RGW	X		X	X	X	X					Bottles
604	8-6-08		M-35	RGW	X		X	X	X	X					Bottles
617	8-6-08		M-19	RGW	X		X	X	X	X					Bottles
631	8-6-08		M-39	RGW	X		X	X	X	X					Bottles
647	8-6-08		M-68	RGW	X		X	X	X	X					Bottles
702	8-6-08		M-61	RGW	X		X	X	X	X					Bottles
642	8-6-08		I-K	RGW	X		X	X	X	X					Bottles
651	8-6-08		I-J	RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	FOR Chain			8-15	100

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Week 1
Period

Andrew Eaton — Your MWL Project Manager
(626) 386-1125 — Direct Phone/Voice Mail

SO# 43379 33899 RS
0

Created by MWH
Order Date 06/23/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250123
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/07/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Matrix	Sample Date	Tests Scheduled					
2808080454	M-92	Water	06-aug-2008 03:55:00	CLO4	CR6010	P	PH9040	T	TDS
2808080465	M-97	Water	06-aug-2008 04:17:00	CLO4	CR6010	P	PH9040	T	TDS
2808080469	M-31A	Water	06-aug-2008 05:05:00	CLO4	CR6010	P	PH9040	T	TDS
2808080471	M-50	Water	06-aug-2008 05:33:00	CLO4	CR6010	P	PH9040	T	TDS
2808080472	M-34	Water	06-aug-2008 05:46:00	CLO4	CR6010	P	PH9040	T	TDS
2808080473	M-35	Water	06-aug-2008 06:04:00	CLO4	CR6010	P	PH9040	T	TDS
2808080474	M-19	Water	06-aug-2008 06:17:00	CLO4	CR6010	P	PH9040	T	TDS
2808080475	M-39	Water	06-aug-2008 06:31:00	CLO4	CR6010	P	PH9040	T	TDS
2808080476	M-68	Water	06-aug-2008 06:47:00	CLO4	CR6010	P	PH9040	T	TDS
2808080477	M-61	Water	06-aug-2008 07:02:00	CLO4	CR6010	P	PH9040	T	TDS
2808080478	I-K	Water	06-aug-2008 06:42:00	CLO4	CR6010	P	PH9040	T	TDS
2808080479	I-J	Water	06-aug-2008 06:51:00	CLO4	CR6010	P	PH9040	T	TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250123
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Test Acronym Description

Test Acronym	Description
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#250123

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808080472)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT and with result of 12900mg/L. The TDS/EC ratio was 1.08. Normal ratio is 0.55 to 0.70. Rerun on 9/4 yield result of 8150mg/L and ratio of 0.67%. Result from 9/4 reported with HA flag.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2808080475)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT and result of 10400mg/L with TDS/EC ratio of 1.15. Reanalysis was done on 9/4 past HT with result of 6150mg/L and ratio of 0.68. 9/4 result reported with HA flag.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2808080476)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/13 within HT. The result was 8960mg/L with TDS/EC ratio of 1.00. Reanalysis was done on 9/4 passed HT. The result was 6960mg/L with ratio of 0.77 . Normal ratio is between 0.55 to 0.70. 9/4 result reported with HA flag.
HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#250123

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080454	**M-92**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
08/20/08	Perchlorate		886		ug/l	40
08/13/08	Total Dissolved Solid (TDS)		1950	500	mg/l	10
	2808080465	**M-97**				
08/28/08	Chromium, Total, ICAP		0.041		mg/l	0.010
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		75600		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		3710	500	mg/l	10
	2808080469	**M-31A**				
08/28/08	Chromium, Total, ICAP		11		mg/l	0.050
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		1470000		ug/l	200000
08/13/08	Total Dissolved Solid (TDS)		9200	500	mg/l	10
	2808080471	**M-50**				
08/28/08	Chromium, Total, ICAP		32		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.68		Units	0.0010
08/20/08	Perchlorate		1140000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		14800	500	mg/l	10
	2808080472	**M-34**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#250123

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080472	**M-34**				
08/28/08	Chromium, Total, ICAP		15		mg/l	0.050
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
08/20/08	Perchlorate		1730000		ug/l	200000
09/04/08	Total Dissolved Solid (TDS)		8150	500	mg/l	10
	2808080473	**M-35**				
08/28/08	Chromium, Total, ICAP		7.6		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/11/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		313000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		5860	500	mg/l	10
	2808080474	**M-19**				
08/28/08	Chromium, Total, ICAP		0.35		mg/l	0.010
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		1880		ug/l	200
08/13/08	Total Dissolved Solid (TDS)		3940	500	mg/l	10
	2808080475	**M-39**				
08/28/08	Chromium, Total, ICAP		5.2		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/11/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
08/20/08	Perchlorate		490000		ug/l	20000
09/04/08	Total Dissolved Solid (TDS)		6180	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#250123

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080475	**M-39**				
	2808080476	**M-68**				
08/28/08	Chromium, Total, ICAP		1.1		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/20/08	Perchlorate		83200		ug/l	4000
09/04/08	Total Dissolved Solid (TDS)		6960	500	mg/l	10
	2808080477	**M-61**				
08/28/08	Chromium, Total, ICAP		1.4		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
08/21/08	Perchlorate		110000		ug/l	8000
08/13/08	Total Dissolved Solid (TDS)		5780	500	mg/l	10
	2808080478	**I-K**				
08/28/08	Chromium, Total, ICAP		1.2		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/20/08	Perchlorate		93700		ug/l	4000
08/13/08	Total Dissolved Solid (TDS)		5900	500	mg/l	10
	2808080479	**I-J**				
08/28/08	Chromium, Total, ICAP		3.0		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010

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Laboratory
Hits Report
#250123

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080479	**I-J**				
08/20/08	Perchlorate		257000		ug/l	20000
08/13/08	Total Dissolved Solid (TDS)		6630	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#250123

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/07/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-92 (2808080454)			**Sampled on 08/06/08 03:55**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	886	ug/l	40	10
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 20:38	443205	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
08/13/08	08/13/08 12:00	446069	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1950	mg/l	10	1
M-97 (2808080465)			**Sampled on 08/06/08 04:17**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	75600	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.041	mg/l	0.010	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3710	mg/l	10	1
M-31A (2808080469)			**Sampled on 08/06/08 05:05**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1470000	ug/l	200000	50000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	11	mg/l	0.050	5
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9200	mg/l	10	1
M-50 (2808080471)			**Sampled on 08/06/08 05:33**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1140000	ug/l	80000	20000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	32	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.68	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	14800	mg/l	10	1

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Tronox LLC - Henderson
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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-34 (2808080472)			**Sampled on 08/06/08 05:46**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	1730000	ug/l	200000	50000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	15	mg/l	0.050	5
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8150(HA)	mg/l	10	1
M-35 (2808080473)			**Sampled on 08/06/08 06:04**					
	08/20/08 05:18	446106	(EPA 314)	Perchlorate	313000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	7.6	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/11/08 15:23	443417	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5860	mg/l	10	1
M-19 (2808080474)			**Sampled on 08/06/08 06:17**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	1880	ug/l	200	50
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	0.35	mg/l	0.010	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 20:38	443205	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3940	mg/l	10	1
M-39 (2808080475)			**Sampled on 08/06/08 06:31**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	490000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	5.2	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/11/08 15:23	443417	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6180(HA)	mg/l	10	1
M-68 (2808080476)			**Sampled on 08/06/08 06:47**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	83200	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	1.1	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6960(HA)	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-61 (2808080477)			**Sampled on 08/06/08 07:02**					
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	110000	ug/l	8000	2000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	1.4	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5780	mg/l	10	1
I-K (2808080478)			**Sampled on 08/06/08 06:42**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	93700	ug/l	4000	1000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 22:28	443215	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5900	mg/l	10	1
I-J (2808080479)			**Sampled on 08/06/08 06:51**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	257000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	3.0	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/07/08 20:38	443205	(ML/EPA 9040B)	PH (H3=pa*t HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6630	mg/l	10	1

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Laboratory
QC Summary
#250123

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 08/11/2008**

2808080454	M-92	Analyzed by: jrf
2808080454	M-92	Analyzed by: jrf
2808080465	M-97	Analyzed by: jrf
2808080465	M-97	Analyzed by: jrf
2808080469	M-31A	Analyzed by: jrf
2808080469	M-31A	Analyzed by: jrf
2808080471	M-50	Analyzed by: jrf
2808080471	M-50	Analyzed by: jrf
2808080472	M-34	Analyzed by: jrf
2808080472	M-34	Analyzed by: jrf
2808080473	M-35	Analyzed by: jrf
2808080473	M-35	Analyzed by: jrf
2808080474	M-19	Analyzed by: jrf
2808080474	M-19	Analyzed by: jrf
2808080475	M-39	Analyzed by: jrf
2808080475	M-39	Analyzed by: jrf
2808080476	M-68	Analyzed by: jrf
2808080476	M-68	Analyzed by: jrf
2808080477	M-61	Analyzed by: jrf
2808080477	M-61	Analyzed by: jrf
2808080478	I-K	Analyzed by: jrf
2808080478	I-K	Analyzed by: jrf
2808080479	I-J	Analyzed by: jrf
2808080479	I-J	Analyzed by: jrf

QC Ref #443205 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808080454	M-92	Analyzed by: yvette
2808080474	M-19	Analyzed by: yvette
2808080479	I-J	Analyzed by: yvette

QC Ref #443215 - PH (H3=past HT, not compliant) Analysis Date: 08/07/2008

2808080465	M-97	Analyzed by: yvette
2808080469	M-31A	Analyzed by: yvette
2808080471	M-50	Analyzed by: yvette
2808080472	M-34	Analyzed by: yvette
2808080476	M-68	Analyzed by: yvette
2808080477	M-61	Analyzed by: yvette
2808080478	I-K	Analyzed by: yvette

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Tronox LLC - Henderson
(continued)

QC Ref #443417 - PH (H3=past HT, not compliant) Analysis Date: 08/11/2008

2808080473	M-35	Analyzed by: yvette
2808080475	M-39	Analyzed by: yvette

QC Ref #446058 - Perchlorate Analysis Date: 08/20/2008

2808080474	M-19	Analyzed by: ser
2808080475	M-39	Analyzed by: ser
2808080476	M-68	Analyzed by: ser
2808080478	I-K	Analyzed by: ser
2808080479	I-J	Analyzed by: ser

QC Ref #446069 - Total Dissolved Solid (TDS) Analysis Date: 08/13/2008

2808080454	M-92	Analyzed by: axa

QC Ref #446106 - Perchlorate Analysis Date: 08/20/2008

2808080454	M-92	Analyzed by: ser
2808080465	M-97	Analyzed by: ser
2808080469	M-31A	Analyzed by: ser
2808080471	M-50	Analyzed by: ser
2808080472	M-34	Analyzed by: ser
2808080473	M-35	Analyzed by: ser

QC Ref #446320 - Perchlorate Analysis Date: 08/21/2008

2808080477	M-61	Analyzed by: ser

QC Ref #447554 - Total Dissolved Solid (TDS) Analysis Date: 08/13/2008

2808080465	M-97	Analyzed by: axa
2808080469	M-31A	Analyzed by: axa
2808080471	M-50	Analyzed by: axa
2808080473	M-35	Analyzed by: axa
2808080474	M-19	Analyzed by: axa

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2808080477	M-61	Analyzed by: axa
2808080478	I-K	Analyzed by: axa
2808080479	I-J	Analyzed by: axa

QC Ref #447768 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808080454	M-92	Analyzed by: csk
2808080465	M-97	Analyzed by: csk
2808080469	M-31A	Analyzed by: csk
2808080471	M-50	Analyzed by: csk
2808080472	M-34	Analyzed by: csk
2808080473	M-35	Analyzed by: csk
2808080474	M-19	Analyzed by: csk
2808080475	M-39	Analyzed by: csk
2808080476	M-68	Analyzed by: csk
2808080477	M-61	Analyzed by: csk
2808080478	I-K	Analyzed by: csk
2808080479	I-J	Analyzed by: csk

QC Ref #449534 - Total Dissolved Solid (TDS) **Analysis Date: 09/04/2008**

2808080472	M-34	Analyzed by: axa
2808080472	M-34	Analyzed by: axa
2808080475	M-39	Analyzed by: axa
2808080475	M-39	Analyzed by: axa
2808080476	M-68	Analyzed by: axa
2808080476	M-68	Analyzed by: axa

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QC Report
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QC Ref #443205 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	8.01	7.97	UNIT		(0-20)	0.5

QC Ref #443215 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.59	7.45	UNIT		(0-20)	1.9

QC Ref #443417 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.66	7.71	UNIT		(0-20)	0.7

QC Ref #446058 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080266	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS2	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	
LCS3	Perchlorate	4	4.42	UGL	110.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	26.5	UGL	106.0	(80-120)	
RPD_LCS	Perchlorate	104.400	108.400	UGL	3.8	(0-15)	
RPD_MS	Perchlorate	100.800	106.000	UGL	1.1	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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QC Report
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Tronox LLC - Henderson
(continued)

QC Ref #446069 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	0808347	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	59	59	MGL		(0-10)	0.0
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	698	MGL	99.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	99.714	MGL	11.2	(0-20)	

QC Ref #446106 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080419	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	106.400	106.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	100.800	99.600	UGL	1.0	(0-15)	

QC Ref #446320 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090086	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

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MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)
RPD_LCS	Perchlorate	110.000	105.600	UGL	4.1	(0-15)
RPD_MS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)

QC Ref #447554 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080464	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3260	3240	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	668	MGL	95.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	95.429	MGL	6.8	(0-20)	

QC Ref #447768 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080474	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.962	MGL	96.2	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.965	MGL	96.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.916	MGL	91.6	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	(70-130)	

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Tronox LLC - Henderson
(continued)

QC Ref #449534 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08290378	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	246	252	MGL		(0-10)	2.4
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	640	MGL	91.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	91.429	MGL	1.3	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 03 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250127
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 9 page[s].

MWH

BUILDING A BETTER WORLD

September 4, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250127

Enclosed is MWH Laboratories Report 250127

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 8, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Ion chromatography analyses do not show actual analysis time for samples with holding times of >72 hours. Instead they show the time of first injection on a batch or 00:00.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

[illegible]

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

250129

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC

SAMPLE TEMP, RECEIPT AT LAB: 3 °C

BLUE ICE: FROZEN X PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	CLO4

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	see bottle order	SAMPLER COMMENTS
9:30 AM	8/7/2008		M-10	RSW	X		X	

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8/7/2008	12:00 PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		Fed Ex		8-8-08	

C-O-C# ___

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP Q Quarterly Period
Project Code CLO4
PO# / Job#
Blanket PO

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 43110 6529 RS
0

Created by MWH
Order Date 06/10/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
1	CR, MN, FE, B	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN2031
1	CL, TDS, NO3, NO2-N, N-INOR	1 500 ml poly, no preservative **SHORT HOLDING TIME!!!!!**	
1	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN2796

Important Comments

This is a quarterly sample for the "M-10 by the NPDES permit NV0023060

NO BLUE ICE NEEDED - CLIENT USING WET ICE TO COOL BOTTLES

CLIENT CODE CHANGED 7/25/03

changed 12/8/05- dropped Cu, Mo, F as per new permit and changed metals to all ICP

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250127
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/08/08.** They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Matrix	Sample Date	Tests Scheduled
2808080464	M-10	Water	07-aug-2008 09:30:00	B, CL, CR, FE, MN, N-INOR, NH3, NH3-DIST, NO2-N, NO3, TDS

Test Acronym Description

Test Acronym	Description
B	Boron, Total, ICAP
CL	Chloride
CR	Chromium, Total, ICAP
FE	Iron, Total, ICAP
MN	Manganese, Total, ICAP
N-INOR	Total Inorganic Nitrogen-Calc
NH3	Ammonia Nitrogen
NH3-DIST	NPDES Ammonia Distillation
NO2-N	Nitrite, Nitrogen by IC
NO3	Nitrate as Nitrogen by IC
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
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Report
Comments
#250127

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: A Eaton

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Laboratory
Hits Report
#250127

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08-aug-2008 18:59:40

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808080464	M-10				
08/12/08	Boron, Total, ICAP		3.3		mg/l	0.10
08/08/08	Chloride		350	250	mg/l	10
08/12/08	Chromium, Total, ICAP		0.81		mg/l	0.020
08/12/08	Iron, Total, ICAP		3.8	0.3	mg/l	0.040
08/12/08	Manganese, Total, ICAP		0.24		mg/l	0.0040
08/08/08	Nitrate as Nitrogen by IC		37	10	mg/l	1.0
08/13/08	Total Dissolved Solid (TDS)		3260	500	mg/l	10
08/23/08	Total Inorganic Nitrogen-Calc		37.		mg/l	0.20

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#250127

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/08/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-10 (2808080464)			**Sampled on 08/07/08 09:30**					
	08/12/08 01:50	443584	(ML/EPA 200.7)	Boron, Total, ICAP	3.3	mg/l	0.10	2
	08/08/08 23:24	443177	(ML/EPA 300.0)	Chloride	350	mg/l	10	10
	08/12/08 01:50	445502	(ML/EPA 200.7)	Chromium, Total, ICAP	0.81	mg/l	0.020	2
	08/12/08 01:50	443566	(ML/EPA 200.7)	Iron, Total, ICAP	3.8	mg/l	0.040	2
	08/12/08 01:50	443586	(ML/EPA 200.7)	Manganese, Total, ICAP	0.24	mg/l	0.0040	2
	08/23/08 10:09		(EPA 300.0)	Total Inorganic Nitrogen-Calc	37.	mg/l	0.20	1
	08/18/08 15:44	445600	(EPA 350.1)	Ammonia Nitrogen	ND	mg/l	0.050	1
	08/08/08 23:24	443179	(ML/EPA 300.0)	Nitrite, Nitrogen by IC	ND	mg/l	1.0	10
	08/08/08 23:24	443181	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	37	mg/l	1.0	10
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3260	mg/l	10	1

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Laboratory
QC Summary
#250127

Tronox LLC - Henderson

QC Ref #443177 - Chloride **Analysis Date: 08/08/2008**

2808080464 M-10 Analyzed by: sxk

QC Ref #443179 - Nitrite, Nitrogen by IC **Analysis Date: 08/08/2008**

2808080464 M-10 Analyzed by: sxk

QC Ref #443181 - Nitrate as Nitrogen by IC **Analysis Date: 08/08/2008**

2808080464 M-10 Analyzed by: sxk

QC Ref #443566 - Iron, Total, ICAP **Analysis Date: 08/12/2008**

2808080464 M-10 Analyzed by: csk

QC Ref #443584 - Boron, Total, ICAP **Analysis Date: 08/12/2008**

2808080464 M-10 Analyzed by: csk

QC Ref #443586 - Manganese, Total, ICAP **Analysis Date: 08/12/2008**

2808080464 M-10 Analyzed by: csk

QC Ref #445502 - Chromium, Total, ICAP **Analysis Date: 08/12/2008**

2808080464 M-10 Analyzed by: csk

QC Ref #445600 - Ammonia Nitrogen **Analysis Date: 08/18/2008**

2808080464 M-10 Analyzed by: njr

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Tronox LLC - Henderson
(continued)

QC Ref #447554 - Total Dissolved Solid (TDS) Analysis Date: 08/13/2008

2808080464 M-10 Analyzed by: axa

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Laboratory
QC Report
#250127

Tronox LLC - Henderson

QC Ref #443177 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080365	MGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	08090222	MGL		(0-0)	
LCS1	Chloride	25	25.7	MGL	102.8	(90-110)	
LCS2	Chloride	25	25.5	MGL	102.0	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.420	MGL	84.0	(50-150)	
MS	Chloride	12.5	12.1	MGL	96.8	(74-126)	
MSD	Chloride	12.5	12.7	MGL	101.6	(74-126)	
RPD_LCS	Chloride	102.800	102.000	MGL	0.8	(0-20)	
RPD_MS	Chloride	96.800	101.600	MGL	4.8	(0-20)	

QC Ref #443179 Nitrite, Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080365	MGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	08090222	MGL		(0-0)	
LCS1	Nitrite, Nitrogen by IC	1.0	0.982	MGL	98.2	(90-110)	
LCS2	Nitrite, Nitrogen by IC	1.0	0.982	MGL	98.2	(90-110)	
MBLK	Nitrite, Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrite, Nitrogen by IC	0.050	0.0465	MGL	93.0	(50-150)	
MS	Nitrite, Nitrogen by IC	0.500	0.465	MGL	93.0	(78-135)	
MSD	Nitrite, Nitrogen by IC	0.500	0.468	MGL	93.6	(78-135)	
RPD_LCS	Nitrite, Nitrogen by IC	98.200	98.200	MGL	0.0	(0-20)	
RPD_MS	Nitrite, Nitrogen by IC	93.000	93.600	MGL	0.6	(0-20)	

QC Ref #443181 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080365	MGL		(0-0)	
AASPKSMP	Spiked sample	Lab # 28	08090222	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.43	MGL	97.2	(90-110)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

LCS2	Nitrate as Nitrogen by IC	2.5	2.42	MGL	96.8	(90-110)
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL		
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0487	MGL	97.4	(50-150)
MS	Nitrate as Nitrogen by IC	1.25	1.21	MGL	96.8	(80-112)
MSD	Nitrate as Nitrogen by IC	1.25	1.25	MGL	100.0	(80-112)
RPD_LCS	Nitrate as Nitrogen by IC	97.200	96.800	MGL	0.4	(0-20)
RPD_MS	Nitrate as Nitrogen by IC	96.800	100.000	MGL	3.3	(0-20)

QC Ref #443566 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.93	MGL	98.6	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.99	MGL	99.8	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0233	MGL	116.5	(50-150)	
MS	Iron, Total, ICAP	5.0	4.92	MGL	98.4	(70-130)	
MS2	Iron, Total, ICAP	5.0	4.93	MGL	98.6	(70-130)	
MSD	Iron, Total, ICAP	5.0	5.02	MGL	100.4	(70-130)	
MSD2	Iron, Total, ICAP	5.0	4.98	MGL	99.6	(70-130)	
RPD_LCS	Iron, Total, ICAP	98.600	99.800	MGL	1.2	(0-20)	
RPD_MS	Iron, Total, ICAP	98.400	100.400	MGL	2.0	(0-20)	

QC Ref #443584 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.472	MGL	94.4	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.484	MGL	96.8	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0511	MGL	102.2	(50-150)	
MS	Boron, Total, ICAP	0.5	0.489	MGL	97.8	(70-130)	
MS2	Boron, Total, ICAP	0.5	0.498	MGL	99.6	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.493	MGL	98.6	(70-130)	
MSD2	Boron, Total, ICAP	0.5	0.484	MGL	96.8	(70-130)	
RPD_LCS	Boron, Total, ICAP	94.400	96.800	MGL	2.5	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

RPD_MS	Boron, Total, ICAP	97.800	98.600	MGL	0.8	(0-20)

QC Ref #443586 Manganese, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Manganese, Total, ICAP	0.50	0.506	MGL	101.2	(85-115)	
LCS2	Manganese, Total, ICAP	0.50	0.509	MGL	101.8	(85-115)	
MBLK	Manganese, Total, ICAP	ND	<0.0020	MGL			
MRL_CHK	Manganese, Total, ICAP	0.002	0.002	MGL	100.0	(50-150)	
MS	Manganese, Total, ICAP	0.50	0.503	MGL	100.6	(70-130)	
MSD	Manganese, Total, ICAP	0.50	0.504	MGL	100.8	(70-130)	

QC Ref #445502 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	0.999	MGL	99.9	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.010	MGL	100.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.999	MGL	99.9	(70-130)	

QC Ref #445600 Ammonia Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08120717	MGL		(0-0)	
LCS1	Ammonia Nitrogen	1.00	1.03	MGL	103.0	(90-110)	
LCS2	Ammonia Nitrogen	1.00	1.04	MGL	104.0	(90-110)	
MBLK	Ammonia Nitrogen	ND	<0.050	MGL			
MRL_CHK	Ammonia Nitrogen	0.05	0.046	MGL	92.0	(50-150)	
MS	Ammonia Nitrogen	1.00	1.05	MGL	105.0	(90-110)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
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Tronox LLC - Henderson
(continued)

MSD	Ammonia Nitrogen	1.00	1.03	MGL	103.0	(90-110)
MS_2ND	Ammonia Nitrogen	1	1.05	MGL	105.0	(90-110)
RPD_LCS	Ammonia Nitrogen	103.000	104.000	MGL	1.0	(0-20)
RPD_MS	Ammonia Nitrogen	105.000	103.000	MGL	1.9	(0-20)

QC Ref #447554 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080464	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3260	3240	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	668	MGL	95.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	95.429	MGL	6.8	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 22 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250139
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 18 page[s].

MWH

BUILDING A BETTER WORLD

September 22, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250139

Enclosed is MWH Laboratories Report 250139

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 8, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Hexavalent chromium was received and analyzed past the RCRA 24 hour holding time.

One sample, MD-2 was re-analyzed past hold time for TDS, because it appeared that the wrong sample was initially pulled for TDS analysis.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

790 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

250139

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC 7/05

SAMPLE TEMP, RECEIPT AT LAB: 5

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
415	8-7-08		M-87	RGW	X		X	X	X	X					2 Bottles
515	8-7-08		M-70	RGW	X		X	X	X	X					2 Bottles
530	8-7-08		M-71	RGW	X		X	X	X	X					2 Bottles
550	8-7-08		M-72	RGW	X		X	X	X	X					2 Bottles
610	8-7-08		M-38	RGW	X		X	X	X	X					2 Bottles
601	8-7-08		M-32A	RGW	X		X	X	X	X					2 Bottles
645	8-7-08		M-89	RGW	X		X	X	X	X					2 Bottles
700	8-7-08		M-17A	RGW	X		X	X	X	X					2 Bottles
720	8-7-08		M-115	RGW	X		X	X	X	X					2 Bottles
735	8-7-08		M-14A	RGW	X		X	X	X	X					2 Bottles
823	8-7-08		M-36	RGW	X		X	X	X	X	X				3 Bottles
805	8-7-08		M-84	RGW	X		X	X	X	X	X				3 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-7-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		FED EX			

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

CHAIN OF CUSTODY RECORD

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: FC/JS
SAMPLE TEMP, RECEIPT AT LAB: 5
BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP
PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling, Schedule B

Sampler: Michele Brown (signature: Michele Brown)
Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
930	8-7-08		M-10	RGW	X		X	X	X	X	X				3 Bottles
	8-7-08		MD-2	RGW	X		X	X	X	X	X				3 Bottles
1446	8-7-08		M-100	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8-7-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	[illegible]	[illegible]	[illegible]	

C-O-C# smc052002

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250139
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/08/08.** They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled			Matrix		Sample Date
2808090007	M-87	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 04:15:00 TDS
2808090008	M-70	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 05:15:00 TDS
2808090009	M-71	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 05:30:00 TDS
2808090010	M-72	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 05:50:00 TDS
2808090011	M-38	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 06:18:00 TDS
2808090012	M-22A	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 06:01:00 TDS
2808090013	M-89	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 06:45:00 TDS
2808090014	M-17A	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 07:00:00 TDS
2808090015	M-115	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 07:20:00 TDS
2808090016	M-14A	CLO4	CR6010	P	Water	PH9040 T	07-aug-2008 07:25:00 TDS
2808090017	M-36	CLO4 TDS	CR6010	CRVI7196 P	Water	PH9040 T	07-aug-2008 08:23:00
2808090018	M-84	CLO4 TDS	CR6010	CRVI7196 P	Water	PH9040 T	07-aug-2008 08:05:00
2808090019	M-10	CLO4 TDS	CR6010	CRVI7196 P	Water	PH9040 T	07-aug-2008 09:03:00
2808090020	MD-2	CLO4 TDS	CR6010	CRVI7196 P	Water	PH9040 T	07-aug-2008 00:00:00
2808090021	M-100	CLO4	CR6010	CRVI7196 P	Water	PH9040 T	07-aug-2008 07:46:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250139
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2808090021	M-100 (con't)		
	TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#250139

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808090020)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#250139

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090007	M-87				
08/28/08		Chromium, Total, ICAP	2.8		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.7		Units	0.0010
08/21/08		Perchlorate	285000		ug/l	20000
08/13/08		Total Dissolved Solid (TDS)	3260	500	mg/l	10
	2808090008	M-70				
08/28/08		Chromium, Total, ICAP	1.2		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010
08/21/08		Perchlorate	112000		ug/l	8000
08/13/08		Total Dissolved Solid (TDS)	2800	500	mg/l	10
	2808090009	M-71				
08/28/08		Chromium, Total, ICAP	4.7		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/20/08		Perchlorate	608000		ug/l	40000
08/13/08		Total Dissolved Solid (TDS)	6410	500	mg/l	10
	2808090010	M-72				
08/28/08		Chromium, Total, ICAP	4.0		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.5		Units	0.0010
08/20/08		Perchlorate	865000		ug/l	80000
08/13/08		Total Dissolved Solid (TDS)	8800	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#250139

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090011	M-38				
	2808090011	M-38				
08/28/08	Chromium, Total, ICAP		29		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/21/08	Perchlorate		1140000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		13500	500	mg/l	10
	2808090012	M-22A				
08/28/08	Chromium, Total, ICAP		35		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
08/21/08	Perchlorate		1810000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		15200	500	mg/l	10
	2808090013	M-89				
08/28/08	Chromium, Total, ICAP		27		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/21/08	Perchlorate		875000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		13000	500	mg/l	10
	2808090014	M-17A				
08/28/08	Chromium, Total, ICAP		31		mg/l	0.10
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010

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Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090014	M-17A				
08/21/08	Perchlorate		857000		ug/l	40000
08/13/08	Total Dissolved Solid (TDS)		13600	500	mg/l	10
	2808090015	M-115				
08/28/08	Chromium, Total, ICAP		0.026		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/21/08	Perchlorate		27800		ug/l	2000
08/13/08	Total Dissolved Solid (TDS)		3030	500	mg/l	10
	2808090016	M-14A				
08/28/08	Chromium, Total, ICAP		0.057		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
08/21/08	Perchlorate		27900		ug/l	2000
08/13/08	Total Dissolved Solid (TDS)		3230	500	mg/l	10
	2808090017	M-36				
08/28/08	Chromium, Total, ICAP		33		mg/l	0.10
08/08/08	Hexavalent chromium (Cr VI)		37.4		mg/l	0.50
08/25/08	Metals digestion performed.		Y		Yes/No	
08/08/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/21/08	Perchlorate		1590000		ug/l	80000
08/13/08	Total Dissolved Solid (TDS)		13400	500	mg/l	10
	2808090018	M-84				

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Hits Report
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Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090018	M-84				
08/28/08		Chromium, Total, ICAP	0.065		mg/l	0.010
08/08/08		Hexavalent chromium (Cr VI)	0.065		mg/l	0.0050
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.9		Units	0.0010
08/21/08		Perchlorate	9360		ug/l	800
08/13/08		Total Dissolved Solid (TDS)	1210	500	mg/l	10
	2808090019	M-10				
08/28/08		Chromium, Total, ICAP	0.75		mg/l	0.020
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.4		Units	0.0010
08/21/08		Perchlorate	27500		ug/l	4000
08/13/08		Total Dissolved Solid (TDS)	3070	500	mg/l	10
	2808090020	MD-2				
08/28/08		Chromium, Total, ICAP	0.067		mg/l	0.010
08/08/08		Hexavalent chromium (Cr VI)	0.070		mg/l	0.0050
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010
08/21/08		Perchlorate	9260		ug/l	4000
09/19/08		Total Dissolved Solid (TDS)	958	500	mg/l	10
	2808090021	M-100				
08/28/08		Chromium, Total, ICAP	0.28		mg/l	0.020
08/08/08		Hexavalent chromium (Cr VI)	0.277		mg/l	0.0050
08/25/08		Metals digestion performed.	Y		Yes/No	
08/08/08		PH (H3=past HT, not compliant)	7.8		Units	0.0010

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Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08-aug-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808090021	M-100				
08/21/08	Perchlorate		45900		ug/l	2000
08/13/08	Total Dissolved Solid (TDS)		1860	500	mg/l	10

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Laboratory
Data Report
#250139

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/08/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2808090007)			**Sampled on 08/07/08 04:15**					
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	285000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447768	(ML/EPA 6010B)	Chromium, Total, ICAP	2.8	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3260	mg/l	10	1
M-70 (2808090008)			**Sampled on 08/07/08 05:15**					
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	112000	ug/l	8000	2000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2800	mg/l	10	1
M-71 (2808090009)			**Sampled on 08/07/08 05:30**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	608000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	4.7	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6410	mg/l	10	1
M-72 (2808090010)			**Sampled on 08/07/08 05:50**					
	08/20/08 17:16	446058	(EPA 314)	Perchlorate	865000	ug/l	80000	20000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	4.0	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	08/13/08 16:35	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8800	mg/l	10	1

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Laboratory
Data Report
#250139

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-38 (2808090011)			**Sampled on 08/07/08 06:18**					
	08/21/08 16:51	446320	(EPA 314)	Perchlorate	1140000	ug/l	80000	20000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	29	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/13/08	08/13/08 16:30	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13500	mg/l	10	1
M-22A (2808090012)			**Sampled on 08/07/08 06:01**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	1810000	ug/l	80000	20000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	35	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/13/08	08/13/08 16:30	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	15200	mg/l	10	1
M-89 (2808090013)			**Sampled on 08/07/08 06:45**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	875000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	27	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/13/08	08/13/08 16:30	447554	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13000	mg/l	10	1
M-17A (2808090014)			**Sampled on 08/07/08 07:00**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	857000	ug/l	40000	10000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	31	mg/l	0.10	10
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13600	mg/l	10	1
M-115 (2808090015)			**Sampled on 08/07/08 07:20**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	27800	ug/l	2000	500
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.026	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3030	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-14A (2808090016)			**Sampled on 08/07/08 07:25**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	27900	ug/l	2000	500
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.057	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3230	mg/l	10	1
M-36 (2808090017)			**Sampled on 08/07/08 08:23**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	1590000	ug/l	80000	20000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	33	mg/l	0.10	10
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	37.4	mg/l	0.50	100
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13400	mg/l	10	1
M-84 (2808090018)			**Sampled on 08/07/08 08:05**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	9360	ug/l	800	200
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.065	mg/l	0.010	1
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.065	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1210	mg/l	10	1
M-10 (2808090019)			**Sampled on 08/07/08 09:03**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	27500	ug/l	4000	1000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.75	mg/l	0.020	2
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3070	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MD-2 (2808090020)			**Sampled on 08/07/08 00:00**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	9260	ug/l	4000	1000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.067	mg/l	0.010	1
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.070	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
09/19/08	09/19/08 16:55	451827	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	958(HA)	mg/l	10	1
M-100 (2808090021)			**Sampled on 08/07/08 07:46**					
	08/21/08 05:12	446319	(EPA 314)	Perchlorate	45900	ug/l	2000	500
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.28	mg/l	0.020	2
	08/08/08 14:57	443206	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.277	mg/l	0.0050	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	08/08/08 18:27	443259	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
08/13/08	08/13/08 17:35	445759	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1860	mg/l	10	1

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QC Ref #0 - Metals Turbidity

Analysis Date: 08/11/2008

2808090007	M-87	Analyzed by: jrf
2808090007	M-87	Analyzed by: jrf
2808090008	M-70	Analyzed by: jrf
2808090008	M-70	Analyzed by: jrf
2808090009	M-71	Analyzed by: jrf
2808090009	M-71	Analyzed by: jrf
2808090010	M-72	Analyzed by: jrf
2808090010	M-72	Analyzed by: jrf
2808090011	M-38	Analyzed by: jrf
2808090011	M-38	Analyzed by: jrf
2808090012	M-22A	Analyzed by: jrf
2808090012	M-22A	Analyzed by: jrf
2808090013	M-89	Analyzed by: jrf
2808090013	M-89	Analyzed by: jrf
2808090014	M-17A	Analyzed by: jrf
2808090014	M-17A	Analyzed by: jrf
2808090015	M-115	Analyzed by: jrf
2808090015	M-115	Analyzed by: jrf
2808090016	M-14A	Analyzed by: jrf
2808090016	M-14A	Analyzed by: jrf
2808090017	M-36	Analyzed by: jrf
2808090017	M-36	Analyzed by: jrf
2808090018	M-84	Analyzed by: jrf
2808090018	M-84	Analyzed by: jrf
2808090019	M-10	Analyzed by: jrf
2808090019	M-10	Analyzed by: anh
2808090020	MD-2	Analyzed by: jrf
2808090020	MD-2	Analyzed by: jrf
2808090020	MD-2	Analyzed by: jrf
2808090021	M-100	Analyzed by: jrf
2808090021	M-100	

QC Ref #443206 - Hexavalent chromium (Cr VI)

Analysis Date: 08/08/2008

2808090017	M-36	Analyzed by: azs
2808090018	M-84	Analyzed by: azs
2808090019	M-10	Analyzed by: azs
2808090020	MD-2	Analyzed by: azs
2808090021	M-100	Analyzed by: azs

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QC Ref #443259 - PH (H3=past HT, not compliant) **Analysis Date: 08/08/2008**

2808090007	M-87	Analyzed by: yvette
2808090008	M-70	Analyzed by: yvette
2808090009	M-71	Analyzed by: yvette
2808090010	M-72	Analyzed by: yvette
2808090011	M-38	Analyzed by: yvette
2808090012	M-22A	Analyzed by: yvette
2808090013	M-89	Analyzed by: yvette
2808090014	M-17A	Analyzed by: yvette
2808090015	M-115	Analyzed by: yvette
2808090016	M-14A	Analyzed by: yvette
2808090017	M-36	Analyzed by: yvette
2808090018	M-84	Analyzed by: yvette
2808090019	M-10	Analyzed by: yvette
2808090020	MD-2	Analyzed by: yvette
2808090021	M-100	

QC Ref #445759 - Total Dissolved Solid (TDS) **Analysis Date: 08/13/2008**

2808090014	M-17A	Analyzed by: axa
2808090015	M-115	Analyzed by: axa
2808090016	M-14A	Analyzed by: axa
2808090017	M-36	Analyzed by: axa
2808090018	M-84	Analyzed by: axa
2808090019	M-10	Analyzed by: axa
2808090021	M-100	Analyzed by: axa

QC Ref #446058 - Perchlorate **Analysis Date: 08/20/2008**

2808090009	M-71	Analyzed by: ser
2808090010	M-72	Analyzed by: ser

QC Ref #446319 - Perchlorate **Analysis Date: 08/21/2008**

2808090012	M-22A	Analyzed by: ser
2808090013	M-89	Analyzed by: ser
2808090014	M-17A	Analyzed by: ser
2808090015	M-115	Analyzed by: ser

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2808090016	M-14A	Analyzed by: ser
2808090017	M-36	Analyzed by: ser
2808090018	M-84	Analyzed by: ser
2808090019	M-10	Analyzed by: ser
2808090020	MD-2	Analyzed by: ser
2808090021	M-100	Analyzed by: ser

QC Ref #446320 - Perchlorate **Analysis Date: 08/21/2008**

2808090007	M-87	Analyzed by: ser
2808090008	M-70	Analyzed by: ser
2808090011	M-38	Analyzed by: ser

QC Ref #447554 - Total Dissolved Solid (TDS) **Analysis Date: 08/13/2008**

2808090007	M-87	Analyzed by: axa
2808090008	M-70	Analyzed by: axa
2808090009	M-71	Analyzed by: axa
2808090010	M-72	Analyzed by: axa
2808090011	M-38	Analyzed by: axa
2808090012	M-22A	Analyzed by: axa
2808090013	M-89	Analyzed by: axa

QC Ref #447768 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808090007	M-87	Analyzed by: csk

QC Ref #447770 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808090008	M-70	Analyzed by: csk
2808090009	M-71	Analyzed by: csk
2808090010	M-72	Analyzed by: csk
2808090011	M-38	Analyzed by: csk
2808090012	M-22A	Analyzed by: csk
2808090013	M-89	Analyzed by: csk
2808090014	M-17A	Analyzed by: csk
2808090015	M-115	Analyzed by: csk
2808090016	M-14A	Analyzed by: csk
2808090017	M-36	Analyzed by: csk
2808090018	M-84	Analyzed by: csk

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2808090019	M-10	Analyzed by: csk
2808090020	MD-2	Analyzed by: csk
2808090021	M-100	Analyzed by: csk

QC Ref #451827 - Total Dissolved Solid (TDS) **Analysis Date: 09/19/2008**

2808090020	MD-2	Analyzed by: anh

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QC Ref #443206 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08090018	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.006	MGL	120.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	

QC Ref #443259 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.81	7.79	UNIT		(0-20)	0.3

QC Ref #445759 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08090014	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	13700	13600	MGL		(0-10)	0.7
LCS1	Total Dissolved Solid (TDS)	175	168	MGL	96.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	700	MGL	100.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	96.000	100.000	MGL	4.1	(0-20)	

QC Ref #446058 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08080266	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS2	Perchlorate	25.0	27.1	UGL	108.4	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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LCS3	Perchlorate	4	4.42	UGL	110.5	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)
MSD	Perchlorate	25.0	26.5	UGL	106.0	(80-120)
RPD_LCS	Perchlorate	104.400	108.400	UGL	3.8	(0-15)
RPD_MS	Perchlorate	100.800	106.000	UGL	1.1	(0-15)

QC Ref #446319 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090076	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.7	UGL	106.8	(85-115)	
LCS2	Perchlorate	25.0	26.9	UGL	107.6	(85-115)	
LCS3	Perchlorate	4	4.33	UGL	108.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.2	UGL	96.8	(80-120)	
MSD	Perchlorate	25.0	24.2	UGL	96.8	(80-120)	
RPD_LCS	Perchlorate	106.800	107.600	UGL	0.7	(0-15)	
RPD_MS	Perchlorate	96.800	96.800	UGL	1.0	(0-15)	

QC Ref #446320 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090086	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
RPD_LCS	Perchlorate	110.000	105.600	UGL	4.1	(0-15)	
RPD_MS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)	

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QC Ref #447554 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080464	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3260	3240	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	668	MGL	95.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	95.429	MGL	6.8	(0-20)	

QC Ref #447768 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08080474	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.962	MGL	96.2	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.965	MGL	96.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.916	MGL	91.6	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.954	MGL	95.4	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.914	MGL	91.4	(70-130)	

QC Ref #447770 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08090018	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.972	MGL	97.2	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.960	MGL	96.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0121	MGL	121.0	(50-150)	

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MS	Chromium, Total, ICAP	1.00	0.949	MGL	94.9	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.971	MGL	97.1	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.974	MGL	97.4	(70-130)

QC Ref #451827 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09190130	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	184	172	MGL		(0-10)	6.7
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	86.857	99.143	MGL	13.2	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc

750 Royal Oaks Drive
Suite 100
Monrovia, California 91016-3629
Tel: 626 568 6400
Fax: 626 568 6324
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 15 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250388
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 16 page[s].

MWH

BUILDING A BETTER WORLD

September 15, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250388

Enclosed is MWH Laboratories Report 250388

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 12, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

For TDS one sample (PC-121) had initial results that were not consistent with historical data. It was re-analyzed past the holding time and the re-analysis results reported.

Initial perchlorate results for ART-9 appeared to have data entered using an incorrect dilution factor. The sample was reanalyzed after holding time with a result more consistent with historical data and are reported.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

250388

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JS. / JS.

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Weekly - SO #12373

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4	TDS	CR	SAMPLER COMMENTS
942	9/11/08		ART-1	RSW	X		X	X	X	
5:30	9/11/08		ART-2	RSW	X		X	X	X	CR sample 6:00am
5:30	9/11/08		ART-3	RSW	X		X	X	X	CR sample 6:00am
5:30	9/11/08		ART-4	RSW	X		X	X	X	CR sample 6:00am
	9/11/08		ART-5	RSW	X		X	X	X	NO SAMPLE
	9/11/08		ART-6	RSW	X		X	X	X	NO SAMPLE
5:30	9/11/08		ART-7	RSW	X		X	X	X	CR sample 6:00am
5:30	9/11/08		ART-8	RSW	X		X	X	X	CR sample 6:00am
0600	9/11/08		PC-99R2/R3	RSW	X		X	X	X	
0600	9/11/08		PC-115R	RSW	X		X	X	X	
0600	9/11/08		PC-116R	RSW	X		X	X	X	
0600	9/11/08		Seep Surface Flow	RSW	X		X	X	X	NO SAMPLE

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	9/11/2008	1200pm
RECEIVED BY:	Joe Sanchez	JOE SANCHEZ	MWH	8-12-08	10:00
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C#

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS/JS

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12373

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant LLC
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total ClO_4	TDS	CR	SAMPLER COMMENTS
6:00	9/11/08		SF-1	RSW	X		X	X	X	
6:00	9/11/08		PC-117	RSW	X		X	X	X	
6:00	9/11/08		PC-118	RSW	X		X	X	X	
6:00	9/11/08		PC-119	RSW	X		X	X	X	
6:00	9/11/08		PC-120	RSW	X		X	X	X	
6:00	9/11/08		PC-121	RSW	X		X	X	X	
6:00	9/11/08		PC-133	RSW	X		X	X	X	
5:30	9/11/08		ART-9	RSW	X		X	X	X	Cr Sample 6:00am

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	9/11/2008	1200pm
RECEIVED BY:	per Sanchez	JOE SANCHEZ	MWLabs	9/12/08	10:00
RELINQUISHED BY:					
RECEIVED BY:					

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly
Period
Week 1

SO# 39793 12373 RS

0

Created by GJY

Order Date
12/07/07

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#

GJY

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
30	CLO4, TDS,	1 250 ml poly /no preservative		Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC Monthly effective 11-30-07
	SHEET OF LABELS WITH WELL-IDS	see comments section		PC-117, PC-118, PC-119, PC-120, and PC-121 PC-116R PC-99R2 PC-99R3 PC-115R ART-1 ART-2 ART-3 ART-4 ART-5 ART-6 ART-7 ART-8 Seep Surface Flow SF-1" Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on EXTRA BOTTLES INCLUDED client code changed 7/25/03 Testcode updated 3-16-06 standing order changed 6-14-06 login note added 7-6-06 TDS

ctiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

Standing

Client Code KERRMCGEE-MP Q Quarterly Period

Project Code CLO4

PO# / Job#

Blanket PO

Andrew Eaton Your MWL Project Manager

(626) 386-1125 Direct Phone/Voice Mail

SO# 43798 18486 RS

0

Sampler: Please Return this Paper with your samples

Created by MWH

Order Date 07/17/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
70	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	Use RCRA test codes for well monitoring

ctiveCode	Status	Date Shipped	Carrier	Qty of Coolers	Tracking Number	Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143287

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/11/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly Art and PC Well Samples One Ice Chest @ 36 lbs One Ice Chest @ 35 lbs		2 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:
The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 71	TOTAL TARE WEIGHT 0	71

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS8536681/21/24

Ship Date: 11AUG08
ActWgt: 35 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO#143287
Invoice #
PO #
Dept #

TRK# 0201 7911 1915 2656

TUE - 12AUG **A2**
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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SHIPPER'S NUMBER: 143287

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

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Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/11/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
☒ Prepaid ☐ Collect	N/AR	Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly Art and PC Well Samples One Ice Chest @ 36 lbs One Ice Chest @ 35 lbs		2 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

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TRONOX LLC

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TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 71	TOTAL TARE WEIGHT 0	71

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

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TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

Ship Date: 11AUG08
ActWgt: 36 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO#143287
Invoice #
PO #
Dept #

TUE - 12AUG **A2**

TRK# 0201 7989 9377 7857

PRIORITY OVERNIGHT

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MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250388
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/12/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808120321	ART-1		Water	11-aug-2008 09:42:00
		CLO4 CR6010 P T TDS		
2808120323	ART-2		Water	11-aug-2008 05:30:00
		CLO4 CR6010 P T TDS		
2808120324	ART-3		Water	11-aug-2008 05:30:00
		CLO4 CR6010 P T TDS		
2808120325	ART-4		Water	11-aug-2008 05:30:00
		CLO4 CR6010 P T TDS		
2808120326	ART-7		Water	11-aug-2008 05:30:00
		CLO4 CR6010 P T TDS		
2808120327	ART-8		Water	11-aug-2008 05:30:00
		CLO4 CR6010 P T TDS		
2808120328	PC-99R2/R3		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120329	PC-115R		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120330	PC-116R		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120331	SF-1		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120332	PC-117		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120333	PC-118		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120334	PC-119		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120335	PC-120		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120336	PC-121		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120337	PC-133		Water	11-aug-2008 06:00:00
		CLO4 CR6010 P T TDS		
2808120338	ART-9		Water	11-aug-2008 05:30:00
		CLO4 CR6010 P T TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc

750 Royal Oaks Drive
Suite 100
Monrovia, California 91016-3629
Tel: 626 568 6400
Fax: 626 568 6324
1 800 566 LABS (1 800 566 5227)

Report
Comments
#250388

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: 

(QC Ref#: 2808120335)
Test: Perchlorate (EPA 314)

LE - MRL Check recovery was above laboratory acceptance limits.

(QC Ref#: 2808120336)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 8/18 within HT. The result was 4660mg/L with TDS/EC ratio of 1.14. Reanalysis was done on 9/4 with result of 2370mg/L with ratio of 0.61. The norma l range for ratio is 0.55 to 0.70. Result from 9/4 reported with HA flag.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2808120338)
Test: Perchlorate (EPA 314)

HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#250388

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
12-aug-2008 15:02:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808120321	**ART-1**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		134		ug/l	20
08/18/08	Total Dissolved Solid (TDS)		7400	500	mg/l	10
	2808120323	**ART-2**				
08/28/08	Chromium, Total, ICAP		0.021		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		63400		ug/l	4000
08/18/08	Total Dissolved Solid (TDS)		9600	500	mg/l	10
	2808120324	**ART-3**				
08/28/08	Chromium, Total, ICAP		0.26		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		312000		ug/l	20000
08/18/08	Total Dissolved Solid (TDS)		9050	500	mg/l	10
	2808120325	**ART-4**				
08/28/08	Chromium, Total, ICAP		0.25		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		336000		ug/l	20000
08/18/08	Total Dissolved Solid (TDS)		6410	500	mg/l	10
	2808120326	**ART-7**				
08/28/08	Chromium, Total, ICAP		0.65		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		136000		ug/l	8000

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Samples Received
12-aug-2008 15:02:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808120326	**ART-7**				
08/18/08	Total Dissolved Solid (TDS)		10800	500	mg/l	10
	2808120327	**ART-8**				
08/28/08	Chromium, Total, ICAP		0.15		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		234000		ug/l	20000
08/18/08	Total Dissolved Solid (TDS)		9750	500	mg/l	10
	2808120328	**PC-99R2/R3**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		11500		ug/l	800
08/18/08	Total Dissolved Solid (TDS)		4980	500	mg/l	10
	2808120329	**PC-115R**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		12800		ug/l	800
08/18/08	Total Dissolved Solid (TDS)		4810	500	mg/l	10
	2808120330	**PC-116R**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		8780		ug/l	400
08/18/08	Total Dissolved Solid (TDS)		4500	500	mg/l	10
	2808120331	**SF-1**				
08/25/08	Metals digestion performed.		Y		Yes/No	

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Samples Received
12-aug-2008 15:02:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808120331	**SF-1**				
08/18/08	Total Dissolved Solid (TDS)		6350	500	mg/l	10
	2808120332	**PC-117**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		2920		ug/l	400
08/18/08	Total Dissolved Solid (TDS)		3280	500	mg/l	10
	2808120333	**PC-118**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		9850		ug/l	800
08/18/08	Total Dissolved Solid (TDS)		4190	500	mg/l	10
	2808120334	**PC-119**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		3670		ug/l	200
08/18/08	Total Dissolved Solid (TDS)		3060	500	mg/l	10
	2808120335	**PC-120**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		2760		ug/l	200
08/18/08	Total Dissolved Solid (TDS)		2850	500	mg/l	10
	2808120336	**PC-121**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		1050		ug/l	80

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Samples Received
12-aug-2008 15:02:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808120336	**PC-121**				
09/04/08	Total Dissolved Solid (TDS)		2374	500	mg/l	10
	2808120337	**PC-133**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/22/08	Perchlorate		1650		ug/l	200
08/18/08	Total Dissolved Solid (TDS)		2830	500	mg/l	10
	2808120338	**ART-9**				
08/28/08	Chromium, Total, ICAP		1.4		mg/l	0.020
08/25/08	Metals digestion performed.		Y		Yes/No	
09/14/08	Perchlorate		315000		ug/l	20000
08/18/08	Total Dissolved Solid (TDS)		7650	500	mg/l	10

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Henderson , NV 89009

Samples Received
08/12/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2808120321) Sampled on 08/11/08 09:42								
	08/22/08 00:00	446320	(EPA 314)	Perchlorate	134	ug/l	20	5
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 12:05	447558	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7400	mg/l	10	1
ART-2 (2808120323) Sampled on 08/11/08 05:30								
	08/22/08 00:00	446320	(EPA 314)	Perchlorate	63400	ug/l	4000	1000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.021	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 12:05	447558	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9600	mg/l	10	1
ART-3 (2808120324) Sampled on 08/11/08 05:30								
	08/22/08 00:00	446320	(EPA 314)	Perchlorate	312000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.26	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 12:05	447558	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9050	mg/l	10	1
ART-4 (2808120325) Sampled on 08/11/08 05:30								
	08/22/08 00:00	446320	(EPA 314)	Perchlorate	336000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.25	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 12:05	447558	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6410	mg/l	10	1
ART-7 (2808120326) Sampled on 08/11/08 05:30								
	08/22/08 00:00	446320	(EPA 314)	Perchlorate	136000	ug/l	8000	2000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.65	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 12:05	447558	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10800	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-8 (2808120327) Sampled on 08/11/08 05:30								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	234000	ug/l	20000	5000
08/25/08	08/28/08 00:00	447770	(ML/EPA 6010B)	Chromium, Total, ICAP	0.15	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 12:05	447558	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9750	mg/l	10	1
PC-99R2/R3 (2808120328) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	11500	ug/l	800	200
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4980	mg/l	10	1
PC-115R (2808120329) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	12800	ug/l	800	200
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4810	mg/l	10	1
PC-116R (2808120330) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	8780	ug/l	400	100
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4500	mg/l	10	1
SF-1 (2808120331) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	ND	ug/l	20	5
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6350	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-117 (2808120332) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	2920	ug/l	400	100
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3280	mg/l	10	1
PC-118 (2808120333) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	9850	ug/l	800	200
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4190	mg/l	10	1
PC-119 (2808120334) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	3670	ug/l	200	50
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3060	mg/l	10	1
PC-120 (2808120335) Sampled on 08/11/08 06:00								
	08/22/08 16:46	446368	(EPA 314)	Perchlorate	2760(LE)	ug/l	200	50
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2850	mg/l	10	1
PC-121 (2808120336) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	1050	ug/l	80	20
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	09/04/08 08:25	449534	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2374(HA)	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-133 (2808120337) Sampled on 08/11/08 06:00								
	08/22/08 04:25	446367	(EPA 314)	Perchlorate	1650	ug/l	200	50
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2830	mg/l	10	1
ART-9 (2808120338) Sampled on 08/11/08 05:30								
	09/14/08 03:28	450596	(EPA 314)	Perchlorate	315000(HA)	ug/l	20000	5000
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	1.4	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 13:05	447561	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7650	mg/l	10	1

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Laboratory
QC Summary
#250388

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 08/13/2008**

2808120321	ART-1	Analyzed by: jrf
2808120321	ART-1	Analyzed by: jrf
2808120323	ART-2	Analyzed by: jrf
2808120323	ART-2	Analyzed by: jrf
2808120324	ART-3	Analyzed by: jrf
2808120324	ART-3	Analyzed by: jrf
2808120325	ART-4	Analyzed by: jrf
2808120325	ART-4	Analyzed by: jrf
2808120326	ART-7	Analyzed by: jrf
2808120326	ART-7	Analyzed by: jrf
2808120327	ART-8	Analyzed by: jrf
2808120327	ART-8	Analyzed by: jrf
2808120328	PC-99R2/R3	Analyzed by: jrf
2808120328	PC-99R2/R3	Analyzed by: jrf
2808120329	PC-115R	Analyzed by: jrf
2808120329	PC-115R	Analyzed by: jrf
2808120330	PC-116R	Analyzed by: jrf
2808120330	PC-116R	Analyzed by: jrf
2808120331	SF-1	Analyzed by: jrf
2808120331	SF-1	Analyzed by: jrf
2808120332	PC-117	Analyzed by: jrf
2808120332	PC-117	Analyzed by: jrf
2808120333	PC-118	Analyzed by: jrf
2808120333	PC-118	Analyzed by: jrf
2808120334	PC-119	Analyzed by: jrf
2808120334	PC-119	Analyzed by: jrf
2808120335	PC-120	Analyzed by: jrf
2808120335	PC-120	Analyzed by: jrf
2808120336	PC-121	Analyzed by: jrf
2808120336	PC-121	Analyzed by: jrf
2808120337	PC-133	Analyzed by: jrf
2808120337	PC-133	Analyzed by: jrf
2808120338	ART-9	Analyzed by: jrf
2808120338	ART-9	Analyzed by: jrf

QC Ref #446320 - Perchlorate **Analysis Date: 08/22/2008**

2808120321	ART-1	Analyzed by: ser
2808120323	ART-2	Analyzed by: ser
2808120324	ART-3	Analyzed by: ser
2808120325	ART-4	Analyzed by: ser
2808120326	ART-7	Analyzed by: ser

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QC Summary
#250388

Tronox LLC - Henderson
(continued)

QC Ref #446367 - Perchlorate **Analysis Date: 08/22/2008**

2808120327	ART-8	Analyzed by: ser
2808120328	PC-99R2/R3	Analyzed by: ser
2808120329	PC-115R	Analyzed by: ser
2808120330	PC-116R	Analyzed by: ser
2808120331	SF-1	Analyzed by: ser
2808120332	PC-117	Analyzed by: ser
2808120333	PC-118	Analyzed by: ser
2808120334	PC-119	Analyzed by: ser
2808120336	PC-121	Analyzed by: ser
2808120337	PC-133	Analyzed by: ser

QC Ref #446368 - Perchlorate **Analysis Date: 08/22/2008**

2808120335	PC-120	Analyzed by: ser

QC Ref #447558 - Total Dissolved Solid (TDS) **Analysis Date: 08/18/2008**

2808120321	ART-1	Analyzed by: axa
2808120323	ART-2	Analyzed by: axa
2808120324	ART-3	Analyzed by: axa
2808120325	ART-4	Analyzed by: axa
2808120326	ART-7	Analyzed by: axa
2808120327	ART-8	Analyzed by: axa

QC Ref #447561 - Total Dissolved Solid (TDS) **Analysis Date: 08/18/2008**

2808120328	PC-99R2/R3	Analyzed by: axa
2808120329	PC-115R	Analyzed by: axa
2808120330	PC-116R	Analyzed by: axa
2808120331	SF-1	Analyzed by: axa
2808120332	PC-117	Analyzed by: axa
2808120333	PC-118	Analyzed by: axa
2808120334	PC-119	Analyzed by: axa
2808120335	PC-120	Analyzed by: axa
2808120337	PC-133	Analyzed by: axa
2808120338	ART-9	Analyzed by: axa

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Laboratory
QC Summary
#250388

Tronox LLC - Henderson
(continued)

QC Ref #447770 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808120321	ART-1	Analyzed by: csk
2808120323	ART-2	Analyzed by: csk
2808120324	ART-3	Analyzed by: csk
2808120325	ART-4	Analyzed by: csk
2808120326	ART-7	Analyzed by: csk
2808120327	ART-8	Analyzed by: csk

QC Ref #447771 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808120328	PC-99R2/R3	Analyzed by: csk
2808120329	PC-115R	Analyzed by: csk
2808120330	PC-116R	Analyzed by: csk
2808120331	SF-1	Analyzed by: csk
2808120332	PC-117	Analyzed by: csk
2808120333	PC-118	Analyzed by: csk
2808120334	PC-119	Analyzed by: csk
2808120335	PC-120	Analyzed by: csk
2808120336	PC-121	Analyzed by: csk
2808120337	PC-133	Analyzed by: csk
2808120338	ART-9	Analyzed by: csk

QC Ref #449534 - Total Dissolved Solid (TDS) **Analysis Date: 09/04/2008**

2808120336	PC-121	Analyzed by: axa
2808120336	PC-121	Analyzed by: axa

QC Ref #450596 - Perchlorate **Analysis Date: 09/14/2008**

2808120338	ART-9	Analyzed by: ser

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Laboratory
QC Report
#250388

Tronox LLC - Henderson

QC Ref #446320 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08090086	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.4	UGL	105.6	(85-115)	
LCS3	Perchlorate	4	4.40	UGL	110.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
RPD_LCS	Perchlorate	110.000	105.600	UGL	4.1	(0-15)	
RPD_MS	Perchlorate	94.000	94.000	UGL	1.0	(0-15)	

QC Ref #446367 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08120447	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS2	Perchlorate	25.0	26.3	UGL	105.2	(85-115)	
LCS3	Perchlorate	4	4.55	UGL	113.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.1	UGL	100.4	(80-120)	
MSD	Perchlorate	25.0	24.8	UGL	99.2	(80-120)	
RPD_LCS	Perchlorate	106.000	105.200	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	100.400	99.200	UGL	1.0	(0-15)	

QC Ref #446368 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08120669	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS2	Perchlorate	25.0	26.8	UGL	107.2	(85-115)	
LCS3	Perchlorate	4	5.16	UGL	129.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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QC Report
#250388

Tronox LLC - Henderson
(continued)

MS	Perchlorate	25.0	21.2	UGL	84.8	(80-120)
MSD	Perchlorate	25.0	21.5	UGL	86.0	(80-120)
RPD_LCS	Perchlorate	106.000	107.200	UGL	1.1	(0-15)
RPD_MS	Perchlorate	84.800	86.000	UGL	1.0	(0-15)

QC Ref #447558 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08110137	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	490	536	MGL		(0-10)	9.0
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	628	MGL	89.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	89.714	MGL	0.6	(0-20)	

QC Ref #447561 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08120328	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	4980	4990	MGL		(0-10)	0.2
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	676	MGL	96.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	86.857	96.571	MGL	10.6	(0-20)	

QC Ref #447770 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08090018	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.972	MGL	97.2	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.960	MGL	96.0	(85-115)	

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Laboratory
QC Report
#250388

Tronox LLC - Henderson
(continued)

MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0121	MGL	121.0	(50-150)
MS	Chromium, Total, ICAP	1.00	0.949	MGL	94.9	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.971	MGL	97.1	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.974	MGL	97.4	(70-130)

QC Ref #447771 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08120332	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.97	MGL	97.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0133	MGL	133.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.945	MGL	94.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.942	MGL	94.2	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.950	MGL	95.0	(70-130)	

QC Ref #449534 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08290378	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	246	252	MGL		(0-10)	2.4
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	640	MGL	91.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	91.429	MGL	1.3	(0-20)	

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Laboratory
QC Report
#250388

Tronox LLC - Henderson
(continued)

QC Ref #450596 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09100142	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
LCS2	Perchlorate	25.0	22.3	UGL	89.2	(85-115)	
LCS3	Perchlorate	4	3.72	UGL	93.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.7	UGL	94.8	(80-120)	
MSD	Perchlorate	25.0	25.1	UGL	100.4	(80-120)	
RPD_LCS	Perchlorate	95.200	89.200	UGL	6.5	(0-15)	
RPD_MS	Perchlorate	94.800	100.400	UGL	1.1	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 11 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 250906
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 7 page[s].

MWH

BUILDING A BETTER WORLD

September 15, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 250906

Enclosed is MWH Laboratories Report 250906

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 14, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

None.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626.386.1100
FAX 626.386.1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

250904

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: 3°

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ✓ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Sampling

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	TOC 4 bottles	TOX 4 bottles	pH 9040, EC 9050 4 bils	TDS	CR 6010	CLO4									SAMPLER COMMENTS
			M-5A	RGW	X		X	X	X	X	X	X									no sample
			M-6A	RGW	X		X	X	X	X											no sample
			M-7B	RGW	X		X	X	X	X											no sample
9:15	8/13/2008		H-28A	RGW	X		X	X	X	X	X	X									13 bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8/13/2008	12:00 PM
RECEIVED BY:		Salvador Mata	MLH	8.14.08	11:45
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

A Annual
Week 1
Period

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 43277 16934 RS
0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 06/19/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
16	TOC	1 125ml amber glass + 0.5ml H2SO4(50%)	UN 2796
4	TOX	2 x 250ml amber glass + 1ml H2S04	UN 2796
16	PH, EC,	1 125 ml poly/ no preservative	
4	TDS	1 500ml poly/ no preservative	

Important Comments

LANDFILL WELLS:
M-5A, M-6A, M-7A, H-28A

LOGIN - Please assign 4 lab numbers to each of the quadruplicate tests - TOX, TOC, EC, pH

FOR JULY SAMPLING EVENT

TDS is NOT in quad.

ActiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143293

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/13/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM: Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly H-28A One ice chest @ 20 Lbs Not Regulated		1 COOLERS

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 20	TOTAL TARE WEIGHT 0	20

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS8538687/2124

Ship Date: 13AUG08
ActWgt: 20 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143293
Invoice #
PO #
Dept #

THU - 14AUG **A2**

TRK# 0201 7920 9566 0756

PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 250906
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/14/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2808150273	H-28A	Water	13-aug-2008 09:15:00
	CLO4 CR6010 EC9050 PH9040 TDS TOC TOX		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
EC9050	Specific Conductance
PH9040	PH (H3=past HT, not compliant)
TDS	Total Dissolved Solid (TDS)
TOC	Total Organic Carbon
TOX	Total Organic Halogen

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Report
Comments
#250906

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

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Laboratory
Hits Report
#250906

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
14-aug-2008 11:44:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808150273	**H-28A**				
08/14/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
08/18/08	Specific Conductance		12100		umho/cm	2.0
08/20/08	Total Dissolved Solid (TDS)		9350	500	mg/l	10
08/23/08	Total Organic Carbon		9.4		mg/l	1.5
08/16/08	Total Organic Halogen		6350		ug/l	1000

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#250906

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/14/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
H-28A (2808150273) Sampled on 08/13/08 09:15								
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	ND	ug/l	20	5
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/18/08 12:54	445460	(ML/EPA 9050A)	Specific Conductance	12100	umho/cm	2.0	1
	08/14/08 20:58	445258	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
08/20/08	08/20/08 12:00	447567	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9350	mg/l	10	1
	08/23/08 03:55	446664	(SM5310C/E415.3)	Total Organic Carbon	9.4	mg/l	1.5	5
	08/16/08 11:43	446710	(SW9020/SM5320)	Total Organic Halogen	6350	ug/l	1000	100

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Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Summary
#250906

Tronox LLC - Henderson

QC Ref #445258 - PH (H3=past HT, not compliant) **Analysis Date: 08/14/2008**

2808150273 H-28A Analyzed by: yvette

QC Ref #445460 - Specific Conductance **Analysis Date: 08/18/2008**

2808150273 H-28A Analyzed by: maria

QC Ref #446664 - Total Organic Carbon **Analysis Date: 08/23/2008**

2808150273 H-28A Analyzed by: kxs

QC Ref #446710 - Total Organic Halogen **Analysis Date: 08/16/2008**

2808150273 H-28A Analyzed by: azs

QC Ref #447567 - Total Dissolved Solid (TDS) **Analysis Date: 08/20/2008**

2808150273 H-28A Analyzed by: axa

QC Ref #447771 - Chromium, Total, ICAP **Analysis Date: 08/28/2008**

2808150273 H-28A Analyzed by: csk

QC Ref #448258 - Perchlorate **Analysis Date: 08/30/2008**

2808150273 H-28A Analyzed by: ser

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#250906

Tronox LLC - Henderson

QC Ref #445258 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.77	7.76	UNIT		(0-20)	0.1

QC Ref #445460 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	12090	12090	UMHO		(0-20)	0.0
MRL_CHK	Specific Conductance	2.000	2.24	UMHO	112.0	(50-150)	

QC Ref #446664 Total Organic Carbon

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	2808160092	MGL		(0-0)	
LCS1	Total Organic Carbon	5.0	5.08	MGL	101.6	(90-110)	
LCS2	Total Organic Carbon	5.0	5.16	MGL	103.2	(90-110)	
MBLK	Total Organic Carbon	ND	<0.30	MGL			
MRL_CHK	Total Organic Carbon	0.200	0.230	MGL	115.0	(50-150)	
MS	Total Organic Carbon	4.0	4.06	MGL	101.5	(80-120)	
MSD	Total Organic Carbon	4.0	4.14	MGL	103.5	(80-120)	
MS_2ND	Total Organic Carbon	2.0	2.06	MGL	103.0	(80-120)	
RPD_LCS	Total Organic Carbon	101.600	103.200	MGL	1.6	(0-20)	
RPD_MS	Total Organic Carbon	101.500	103.500	MGL	2.0	(0-20)	

QC Ref #446710 Total Organic Halogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08150273	UGL		(0-0)	
LCS1	Total Organic Halogen	10	10.9	UGL	109.0	(85-115)	
LCS2	Total Organic Halogen	200	187	UGL	93.5	(85-115)	
MBLK	Total Organic Halogen	ND	<10	UGL			
MS	Total Organic Halogen	100	107	UGL	107.0	(90-110)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MSD	Total Organic Halogen	100	109	UGL	109.0	(90-110)

QC Ref #447567 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08130166	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	124	126	MGL		(0-10)	1.6
LCS1	Total Dissolved Solid (TDS)	175	182	MGL	104.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	650	MGL	92.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	15	MGL	150.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	104.000	92.857	MGL	11.3	(0-20)	

QC Ref #447771 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08120332	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.97	MGL	97.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0133	MGL	133.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.945	MGL	94.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.942	MGL	94.2	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.950	MGL	95.0	(70-130)	

QC Ref #448258 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08160441	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS2	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS3	Perchlorate	4	4.44	UGL	111.0	(75-125)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
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1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	24.5	UGL	98.0	(80-120)
MSD	Perchlorate	25.0	24.6	UGL	98.4	(80-120)
RPD_LCS	Perchlorate	101.600	101.200	UGL	0.4	(0-15)
RPD_MS	Perchlorate	98.000	98.400	UGL	1.0	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 11 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 251027
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 23 page[s].

MWH

BUILDING A BETTER WORLD

September 15, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 251027

Enclosed is MWH Laboratories Report 251027

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 15, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

For TDS one sample (2808160441) had replicate results that exceeded the method limits.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

[illegible]

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

25102 GS

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: 5 - 7C

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
9:10	8-11-08		PC-55	RSW	X		X	X	X			
6:30	8-12-08		PC-58	RSW	X		X	X	X			
6:24	8-12-08		PC-56	RSW	X		X	X	X			
6:19	8-12-08		PC-60	RSW	X		X	X	X			
6:10	8-12-08		PC-59	RSW	X		X	X	X			
6:04	8-12-08		PC-62	RSW	X		X	X	X			
556	8-12-08		PC-68	RSW	X		X	X	X			
10:34	8-13-08		PC-97	RSW	X		X	X	X			
10:48	8-13-08		PC-86	RSW	X		X	X	X			
11:03	8-13-08		PC-90 ms	RSW	X		X	X	X			
11:17	8-13-08		PC-91	RSW	X		X	X	X			
12:40	8-13-08		PC-17	RSW	X		X	X	X			

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	8-14-08	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	[illegible]	[illegible]	8-15	[illegible]

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: 7/08

SAMPLE TEMP, RECEIPT AT LAB: 5

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES: X (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
12:57	8-13-08		PC-18	RSW	X		X	X	X			
1:14	8-13-08		ARP-1	RSW	X		X	X	X			
12:00	8-13-08		PC-134	RSW	X		X	X	X			
12:19	8-13-08		PC-135	RSW	X		X	X	X			
5:51	8-14-08		PC-122	RSW	X		X	X	X			
7:39	8-14-08		ARP-6B	RSW	X		X	X	X			
7:50	8-14-08		ARP-5A	RSW	X		X	X	X			
8:01	8-14-08		ARP-4A	RSW	X		X	X	X			
8:20	8-14-08		MW-K4	RSW	X		X	X	X			
7:15	8-14-08		MW-K5	RSW	X		X	X	X			
7:01	8-14-08		PC-53	RSW	X		X	X	X			
8:34	8-14-08		PC-103	RSW	X		X	X	X			

* **MATRIX TYPES:**

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	8-14-08	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		FEDEX	MCL	8/15/08	

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: F C/S

SAMPLE TEMP, RECEIPT AT LAB: 5

BLUE ICE: FROZEN X PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	ClO3	NO3	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3	SAMPLER COMMENTS
905	8.14.08		PC-9BR	RSW	X		X	X	X				
559	8.13.08		M-87	RSW	X		X	X	X				
940	8.14.08		L-635	RSW	X		X	X	X				
1015	8.14.08		L-637	RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				
				RSW	X		X	X	X				

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	8-14-08	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	[illegible]	[illegible]	8-15	[illegible]

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

Standing

Client Code KERRMCGEE-MP Q Quarterly Period

Project Code CLO4

PO# / Job#

Blanket PO

Andrew Eaton Your MWL Project Manager

(626) 386-1125 Direct Phone/Voice Mail

SO# 41940 18486 RS

0

Sampler: Please Return this Paper with your samples

Created by MWH

Order Date 04/11/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to

Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to

Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address

Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

Quote#

MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
70	CR	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly — Period

Andrew Eaton — Your MWL Project Manager
(626) 386-1125 — Direct Phone/Voice Mail

SO# 29568 12374 RS
0

Sampler: Please Return this Paper with your samples

Created by
Order Date 04/10/06
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

Quote#

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
41	CLO4, EC9050	1 125ml poly /no preservative	
	SHEET OF LABELS WITH WELL-IDS	see comments section	

Important Comments

These sites are monthly till further notice.

PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R
L-635, L-637
MW-K2, MW-K4
ARP-1, ARP-2, ARP-3, ARP-4
ARP-5, ARP-6, ARP-7, PC-53
PC-103, MW-K5, M-83
M-87 , PC-98R; PC-56, PC-58; PC-59, PC-60, PC-62, PC-68, PC-122

Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on

EXTRA BOTTLES INCLUDED

client code changed 7/25/03

bottle order and IDs updated 9/9/03
testcodes updated 3-16-06

ActiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 251027
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/15/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2808160441	PC-55		Water	11-aug-2008 09:10:00
		CLO4 CR6010 P T TDS		
2808160445	PC-58		Water	12-aug-2008 06:30:00
		CLO4 CR6010 P T TDS		
2808160446	PC-56		Water	12-aug-2008 06:24:00
		CLO4 CR6010 P T TDS		
2808160447	PC-60		Water	12-aug-2008 06:17:00
		CLO4 CR6010 P T TDS		
2808160448	PC-59		Water	12-aug-2008 06:10:00
		CLO4 CR6010 P T TDS		
2808160449	PC-62		Water	12-aug-2008 06:04:00
		CLO4 CR6010 P T TDS		
2808160450	PC-68		Water	12-aug-2008 05:56:00
		CLO4 CR6010 P T TDS		
2808160451	PC-97		Water	13-aug-2008 10:34:00
		CLO4 CR6010 P T TDS		
2808160452	PC-86		Water	13-aug-2008 10:48:00
		CLO4 CR6010 P T TDS		
2808160453	PC-90		Water	13-aug-2008 11:03:00
		CLO4 CR6010 P T TDS		
2808160454	PC-91		Water	13-aug-2008 11:17:00
		CLO4 CR6010 P T TDS		
2808160455	PC-17		Water	13-aug-2008 12:40:00
		CLO4 CR6010 P T TDS		
2808160456	PC-18		Water	13-aug-2008 12:57:00
		CLO4 CR6010 P T TDS		
2808160457	ARP-1		Water	13-aug-2008 13:14:00
		CLO4 CR6010 P T TDS		
2808160458	PC-134		Water	13-aug-2008 12:00:00
		CLO4 CR6010 P T TDS		
2808160459	PC-135		Water	13-aug-2008 12:17:00
		CLO4 CR6010 P T TDS		
2808160465	PC-122		Water	14-aug-2008 05:51:00
		CLO4 CR6010 P T TDS		

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 251027
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled				Matrix	Sample Date
2808160466	ARP-6B					Water	14-aug-2008 07:37:00
		CLO4	CR6010	P	T	TDS	
2808160467	ARP-5A					Water	14-aug-2008 07:50:00
		CLO4	CR6010	P	T	TDS	
2808160468	ARP-4A					Water	14-aug-2008 08:01:00
		CLO4	CR6010	P	T	TDS	
2808160469	MWK-4					Water	14-aug-2008 08:20:00
		CLO4	CR6010	P	T	TDS	
2808160470	MWK-5					Water	14-aug-2008 07:15:00
		CLO4	CR6010	P	T	TDS	
2808160471	PC-53					Water	14-aug-2008 07:01:00
		CLO4	CR6010	P	T	TDS	
2808160472	PC-103					Water	14-aug-2008 08:34:00
		CLO4	CR6010	P	T	TDS	
2808160473	PC-98R					Water	14-aug-2008 09:05:00
		CLO4	CR6010	P	T	TDS	
2808160474	M-87					Water	13-aug-2008 05:59:00
		CLO4	CR6010	P	T	TDS	
2808160475	L-635					Water	14-aug-2008 09:40:00
		CLO4	CR6010	P	T	TDS	
2808160476	L-637					Water	14-aug-2008 10:15:00
		CLO4	CR6010	P	T	TDS	

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#251027

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808160441)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
R8 - Sample RPD exceeded the method acceptance limit.

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Laboratory
Hits Report
#251027

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
15-aug-2008 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808160441	**PC-55**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		927		ug/l	80
08/18/08	Total Dissolved Solid (TDS)		7400	500	mg/l	10
	2808160445	**PC-58**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		5660		ug/l	400
08/19/08	Total Dissolved Solid (TDS)		6210	500	mg/l	10
	2808160446	**PC-56**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		4390		ug/l	400
08/19/08	Total Dissolved Solid (TDS)		3230	500	mg/l	10
	2808160447	**PC-60**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		6790		ug/l	400
08/19/08	Total Dissolved Solid (TDS)		4160	500	mg/l	10
	2808160448	**PC-59**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		7590		ug/l	400
08/19/08	Total Dissolved Solid (TDS)		4210	500	mg/l	10
	2808160449	**PC-62**				

SUMMARY OF POSITIVE DATA ONLY.

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Samples Received
15-aug-2008 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808160449	**PC-62**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		2530		ug/l	200
08/19/08	Total Dissolved Solid (TDS)		3140	500	mg/l	10
	2808160450	**PC-68**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		142		ug/l	20
08/19/08	Total Dissolved Solid (TDS)		1850	500	mg/l	10
	2808160451	**PC-97**				
08/25/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		364		ug/l	20
08/20/08	Total Dissolved Solid (TDS)		2610	500	mg/l	10
	2808160452	**PC-86**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		1250		ug/l	200
08/20/08	Total Dissolved Solid (TDS)		2580	500	mg/l	10
	2808160453	**PC-90**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		8120		ug/l	800
08/20/08	Total Dissolved Solid (TDS)		3790	500	mg/l	10
	2808160454	**PC-91**				

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808160454	**PC-91**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		12500		ug/l	800
08/20/08	Total Dissolved Solid (TDS)		7730	500	mg/l	10
	2808160455	**PC-17**				
08/29/08	Chromium, Total, ICAP		0.083		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		171000		ug/l	20000
08/20/08	Total Dissolved Solid (TDS)		9600	500	mg/l	10
	2808160456	**PC-18**				
08/29/08	Chromium, Total, ICAP		0.14		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		219000		ug/l	20000
08/20/08	Total Dissolved Solid (TDS)		10600	500	mg/l	10
	2808160457	**ARP-1**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		2340		ug/l	200
08/20/08	Total Dissolved Solid (TDS)		6800	500	mg/l	10
	2808160458	**PC-134**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		49		ug/l	4.0
08/20/08	Total Dissolved Solid (TDS)		1820	500	mg/l	10

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Samples Received
15-aug-2008 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808160459	**PC-135**				
	2808160459	**PC-135**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/30/08	Perchlorate		9600		ug/l	800
08/20/08	Total Dissolved Solid (TDS)		7950	500	mg/l	10
	2808160465	**PC-122**				
08/29/08	Chromium, Total, ICAP		0.078		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		11200		ug/l	800
08/20/08	Total Dissolved Solid (TDS)		11000	500	mg/l	10
	2808160466	**ARP-6B**				
08/29/08	Chromium, Total, ICAP		0.10		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		15600		ug/l	800
08/20/08	Total Dissolved Solid (TDS)		10400	500	mg/l	10
	2808160467	**ARP-5A**				
08/29/08	Chromium, Total, ICAP		0.033		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		26200		ug/l	4000
08/20/08	Total Dissolved Solid (TDS)		5910	500	mg/l	10
	2808160468	**ARP-4A**				

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808160468	**ARP-4A**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		30200		ug/l	4000
08/20/08	Total Dissolved Solid (TDS)		4610	500	mg/l	10
	2808160469	**MWK-4**				
08/29/08	Chromium, Total, ICAP		0.041		mg/l	0.010
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		88600		ug/l	16000
08/20/08	Total Dissolved Solid (TDS)		7300	500	mg/l	10
	2808160470	**MWK-5**				
08/29/08	Chromium, Total, ICAP		0.032		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		17700		ug/l	800
08/20/08	Total Dissolved Solid (TDS)		6630	500	mg/l	10
	2808160471	**PC-53**				
08/29/08	Chromium, Total, ICAP		0.026		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
08/31/08	Perchlorate		1790		ug/l	200
08/20/08	Total Dissolved Solid (TDS)		4690	500	mg/l	10
	2808160472	**PC-103**				
08/26/08	Metals digestion performed.		Y		Yes/No	
09/01/08	Perchlorate		9000		ug/l	800
08/20/08	Total Dissolved Solid (TDS)		4390	500	mg/l	10

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Samples Received
15-aug-2008 10:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808160472	**PC-103**				
	2808160473	**PC-98R**				
08/29/08	Chromium, Total, ICAP		0.023		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
09/01/08	Perchlorate		18300		ug/l	2000
08/20/08	Total Dissolved Solid (TDS)		6800	500	mg/l	10
	2808160474	**M-87**				
08/29/08	Chromium, Total, ICAP		3.0		mg/l	0.020
08/26/08	Metals digestion performed.		Y		Yes/No	
09/03/08	Perchlorate		336000		ug/l	20000
08/20/08	Total Dissolved Solid (TDS)		4560	500	mg/l	10
	2808160475	**L-635**				
08/26/08	Metals digestion performed.		Y		Yes/No	
08/20/08	Total Dissolved Solid (TDS)		7850	500	mg/l	10
	2808160476	**L-637**				
08/26/08	Metals digestion performed.		Y		Yes/No	
09/01/08	Perchlorate		18		ug/l	10
08/20/08	Total Dissolved Solid (TDS)		7100	500	mg/l	10

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Laboratory
Data Report
#251027

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/15/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-55 (2808160441)			**Sampled on 08/11/08 09:10**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	927	ug/l	80	20
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/18/08	08/18/08 14:05	447564	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7400(R8)	mg/l	10	1
PC-58 (2808160445)			**Sampled on 08/12/08 06:30**					
	08/31/08 18:26	448584	(EPA 314)	Perchlorate	5660	ug/l	400	100
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/19/08	08/19/08 11:40	447661	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6210	mg/l	10	1
PC-56 (2808160446)			**Sampled on 08/12/08 06:24**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	4390	ug/l	400	100
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/19/08	08/19/08 11:40	447661	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3230	mg/l	10	1
PC-60 (2808160447)			**Sampled on 08/12/08 06:17**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	6790	ug/l	400	100
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/19/08	08/19/08 11:40	447661	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4160	mg/l	10	1
PC-59 (2808160448)			**Sampled on 08/12/08 06:10**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	7590	ug/l	400	100
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/19/08	08/19/08 11:40	447661	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4210	mg/l	10	1

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Laboratory
Data Report
#251027

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-62 (2808160449) Sampled on 08/12/08 06:04								
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	2530	ug/l	200	50
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/19/08	08/19/08 11:40	447661	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3140	mg/l	10	1
PC-68 (2808160450) Sampled on 08/12/08 05:56								
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	142	ug/l	20	5
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/19/08	08/19/08 11:40	447661	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1850	mg/l	10	1
PC-97 (2808160451) Sampled on 08/13/08 10:34								
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	364	ug/l	20	5
08/25/08	08/28/08 00:00	447771	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/25/08 17:52		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 12:00	447567	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2610	mg/l	10	1
PC-86 (280816045?) Sampled on 08/13/08 10:48								
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	1250	ug/l	200	50
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 12:00	447567	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2580	mg/l	10	1
PC-90 (2808160453) Sampled on 08/13/08 11:03								
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	8120	ug/l	800	200
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 12:00	447567	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3790	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-91 (2808160454)			**Sampled on 08/13/08 11:17**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	12500	ug/l	800	200
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 12:00	447567	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7730	mg/l	10	1
PC-17 (2808160455)			**Sampled on 08/13/08 12:40**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	171000	ug/l	20000	5000
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.083	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 12:00	447567	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9600	mg/l	10	1
PC-18 (2808160456)			**Sampled on 08/13/08 12:57**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	219000	ug/l	20000	5000
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.14	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10600	mg/l	10	1
ARP-1 (2808160457)			**Sampled on 08/13/08 13:14**					
	08/31/08 18:26	448584	(EPA 314)	Perchlorate	2340	ug/l	200	50
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6800	mg/l	10	1
PC-134 (2808160458)			**Sampled on 08/13/08 12:00**					
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	49	ug/l	4.0	1
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1820	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-135 (2808160459) Sampled on 08/13/08 12:17								
	08/30/08 06:23	448258	(EPA 314)	Perchlorate	9600	ug/l	800	200
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7950	mg/l	10	1
PC-122 (2808160465) Sampled on 08/14/08 05:51								
	08/31/08 17:57	448260	(EPA 314)	Perchlorate	11200	ug/l	800	200
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.078	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11000	mg/l	10	1
ARP-6B (2808160466) Sampled on 08/14/08 07:37								
	08/31/08 17:57	448260	(EPA 314)	Perchlorate	15600	ug/l	800	200
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.10	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10400	mg/l	10	1
ARP-5A (2808160467) Sampled on 08/14/08 07:50								
	08/31/08 17:57	448260	(EPA 314)	Perchlorate	26200	ug/l	4000	1000
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.033	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5910	mg/l	10	1
ARP-4A (2808160468) Sampled on 08/14/08 08:01								
	08/31/08 17:57	448260	(EPA 314)	Perchlorate	30200	ug/l	4000	1000
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4610	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
MWK-4 (2808160469) Sampled on 08/14/08 08:20								
	08/31/08 18:26	448778	(EPA 314)	Perchlorate	88600	ug/l	16000	4000
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.041	mg/l	0.010	1
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7300	mg/l	10	1
MWK-5 (2808160470) Sampled on 08/14/08 07:15								
	08/31/08 18:26	448778	(EPA 314)	Perchlorate	17700	ug/l	800	200
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.032	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6630	mg/l	10	1
PC-53 (2808160471) Sampled on 08/14/08 07:01								
	08/31/08 17:57	448260	(EPA 314)	Perchlorate	1790	ug/l	200	50
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.026	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4690	mg/l	10	1
PC-103 (2808160472) Sampled on 08/14/08 08:34								
	09/01/08 00:00	448778	(EPA 314)	Perchlorate	9000	ug/l	800	200
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4390	mg/l	10	1
PC-98R (2808160473) Sampled on 08/14/08 09:05								
	09/01/08 00:00	448778	(EPA 314)	Perchlorate	18300	ug/l	2000	500
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	0.023	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6800	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2808160474) Sampled on 08/13/08 05:59								
	09/03/08 18:11	448790	(EPA 314)	Perchlorate	336000	ug/l	20000	5000
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	3.0	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4560	mg/l	10	1
L-635 (2808160475) Sampled on 08/14/08 09:40								
	09/01/08 00:00	448778	(EPA 314)	Perchlorate	ND	ug/l	10	5
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7850	mg/l	10	1
L-637 (2808160476) Sampled on 08/14/08 10:15								
	09/01/08 00:00	448778	(EPA 314)	Perchlorate	18	ug/l	10	5
08/26/08	08/29/08 00:00	447773	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	08/26/08 18:03		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/20/08	08/20/08 13:05	447571	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7100	mg/l	10	1

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QC Summary
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QC Ref #0 - Metals Turbidity **Analysis Date: 08/18/2008**

2808160441	PC-55	Analyzed by: jrf
2808160441	PC-55	Analyzed by: jrf
2808160445	PC-58	Analyzed by: jrf
2808160445	PC-58	Analyzed by: jrf
2808160446	PC-56	Analyzed by: jrf
2808160446	PC-56	Analyzed by: jrf
2808160447	PC-60	Analyzed by: jrf
2808160447	PC-60	Analyzed by: jrf
2808160448	PC-59	Analyzed by: jrf
2808160448	PC-59	Analyzed by: jrf
2808160449	PC-62	Analyzed by: jrf
2808160449	PC-62	Analyzed by: jrf
2808160450	PC-68	Analyzed by: jrf
2808160450	PC-68	Analyzed by: jrf
2808160451	PC-97	Analyzed by: jrf
2808160451	PC-97	Analyzed by: jrf
2808160452	PC-86	Analyzed by: jrf
2808160452	PC-86	Analyzed by: jrf
2808160453	PC-90	Analyzed by: jrf
2808160453	PC-90	Analyzed by: jrf
2808160454	PC-91	Analyzed by: jrf
2808160454	PC-91	Analyzed by: jrf
2808160455	PC-17	Analyzed by: jrf
2808160455	PC-17	Analyzed by: jrf
2808160456	PC-18	Analyzed by: jrf
2808160456	PC-18	Analyzed by: jrf
2808160457	ARP-1	Analyzed by: jrf
2808160457	ARP-1	Analyzed by: jrf
2808160458	PC-134	Analyzed by: jrf
2808160458	PC-134	Analyzed by: jrf
2808160459	PC-135	Analyzed by: jrf
2808160459	PC-135	Analyzed by: jrf
2808160465	PC-122	Analyzed by: jrf
2808160465	PC-122	Analyzed by: jrf
2808160466	ARP-6B	Analyzed by: jrf
2808160466	ARP-6B	Analyzed by: jrf
2808160467	ARP-5A	Analyzed by: jrf
2808160467	ARP-5A	Analyzed by: jrf
2808160468	ARP-4A	Analyzed by: jrf
2808160468	ARP-4A	Analyzed by: jrf
2808160469	MWK-4	Analyzed by: jrf
2808160469	MWK-4	Analyzed by: jrf
2808160470	MWK-5	Analyzed by: jrf

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2808160470	MWK-5	Analyzed by: jrf
2808160471	PC-53	Analyzed by: jrf
2808160471	PC-53	Analyzed by: jrf
2808160472	PC-103	Analyzed by: jrf
2808160472	PC-103	Analyzed by: jrf
2808160473	PC-98R	Analyzed by: jrf
2808160473	PC-98R	Analyzed by: jrf
2808160474	M-87	Analyzed by: jrf
2808160474	M-87	Analyzed by: jrf
2808160475	L-635	Analyzed by: jrf
2808160475	L-635	Analyzed by: jrf
2808160476	L-637	Analyzed by: jrf
2808160476	L-637	Analyzed by: jrf

QC Ref #447564 - Total Dissolved Solid (TDS) Analysis Date: 08/18/2008

2808160441	PC-55	Analyzed by: axa

QC Ref #447567 - Total Dissolved Solid (TDS) Analysis Date: 08/20/2008

2808160451	PC-97	Analyzed by: axa
2808160452	PC-86	Analyzed by: axa
2808160453	PC-90	Analyzed by: axa
2808160454	PC-91	Analyzed by: axa
2808160455	PC-17	Analyzed by: axa

QC Ref #447571 - Total Dissolved Solid (TDS) Analysis Date: 08/20/2008

2808160456	PC-18	Analyzed by: axa
2808160457	ARP-1	Analyzed by: axa
2808160458	PC-134	Analyzed by: axa
2808160459	PC-135	Analyzed by: axa
2808160465	PC-122	Analyzed by: axa
2808160466	ARP-6B	Analyzed by: axa
2808160467	ARP-5A	Analyzed by: axa
2808160468	ARP-4A	Analyzed by: axa
2808160469	MWK-4	Analyzed by: axa
2808160470	MWK-5	Analyzed by: axa
2808160471	PC-53	Analyzed by: axa
2808160472	PC-103	Analyzed by: axa
2808160473	PC-98R	Analyzed by: axa

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2808160474	M-87	Analyzed by: axa
2808160475	L-635	Analyzed by: axa
2808160476	L-637	Analyzed by: axa

QC Ref #447661 - Total Dissolved Solid (TDS) Analysis Date: 08/19/2008

2808160445	PC-58	Analyzed by: axa
2808160446	PC-56	Analyzed by: axa
2808160447	PC-60	Analyzed by: axa
2808160448	PC-59	Analyzed by: axa
2808160449	PC-62	Analyzed by: axa
2808160450	PC-68	Analyzed by: axa

QC Ref #447771 - Chromium, Total, ICAP Analysis Date: 08/28/2008

2808160441	PC-55	Analyzed by: csk
2808160445	PC-58	Analyzed by: csk
2808160446	PC-56	Analyzed by: csk
2808160447	PC-60	Analyzed by: csk
2808160448	PC-59	Analyzed by: csk
2808160449	PC-62	Analyzed by: csk
2808160450	PC-68	Analyzed by: csk
2808160451	PC-97	Analyzed by: csk

QC Ref #447773 - Chromium, Total, ICAP Analysis Date: 08/29/2008

2808160452	PC-86	Analyzed by: csk
2808160453	PC-90	Analyzed by: csk
2808160454	PC-91	Analyzed by: csk
2808160455	PC-17	Analyzed by: csk
2808160456	PC-18	Analyzed by: csk
2808160457	ARP-1	Analyzed by: csk
2808160458	PC-134	Analyzed by: csk
2808160459	PC-135	Analyzed by: csk
2808160465	PC-122	Analyzed by: csk
2808160466	ARP-6B	Analyzed by: csk
2808160467	ARP-5A	Analyzed by: csk
2808160468	ARP-4A	Analyzed by: csk
2808160469	MWK-4	Analyzed by: csk
2808160470	MWK-5	Analyzed by: csk
2808160471	PC-53	Analyzed by: csk

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Tronox LLC - Henderson
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2808160472	PC-103	Analyzed by: csk
2808160473	PC-98R	Analyzed by: csk
2808160474	M-87	Analyzed by: csk
2808160475	L-635	Analyzed by: csk
2808160476	L-637	Analyzed by: csk

QC Ref #448258 - Perchlorate **Analysis Date: 08/30/2008**

2808160441	PC-55	Analyzed by: ser
2808160446	PC-56	Analyzed by: ser
2808160447	PC-60	Analyzed by: ser
2808160448	PC-59	Analyzed by: ser
2808160449	PC-62	Analyzed by: ser
2808160450	PC-68	Analyzed by: ser
2808160451	PC-97	Analyzed by: ser
2808160452	PC-86	Analyzed by: ser
2808160453	PC-90	Analyzed by: ser
2808160454	PC-91	Analyzed by: ser
2808160455	PC-17	Analyzed by: ser
2808160456	PC-18	Analyzed by: ser
2808160458	PC-134	Analyzed by: ser
2808160459	PC-135	Analyzed by: ser

QC Ref #448260 - Perchlorate **Analysis Date: 08/31/2008**

2808160465	PC-122	Analyzed by: ser
2808160466	ARP-6B	Analyzed by: ser
2808160467	ARP-5A	Analyzed by: ser
2808160468	ARP-4A	Analyzed by: ser
2808160471	PC-53	Analyzed by: ser

QC Ref #448584 - Perchlorate **Analysis Date: 08/31/2008**

2808160445	PC-58	Analyzed by: ser
2808160457	ARP-1	Analyzed by: ser

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QC Ref #448778 - Perchlorate **Analysis Date: 08/31/2008**

2808160469	MWK-4	Analyzed by: ser
2808160470	MWK-5	Analyzed by: ser
2808160472	PC-103	Analyzed by: ser
2808160473	PC-98R	Analyzed by: ser
2808160475	L-635	Analyzed by: ser
2808160476	L-637	Analyzed by: ser

QC Ref #448790 - Perchlorate **Analysis Date: 09/03/2008**

2808160474	M-87	Analyzed by: ser

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QC Report
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QC Ref #447564 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08160441	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7400	6450	MGL		(0-10)	13.7
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	542	MGL	77.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	98.286	77.429	MGL	23.7	(0-20)	

QC Ref #447567 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08130166	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	124	126	MGL		(0-10)	1.6
LCS1	Total Dissolved Solid (TDS)	175	182	MGL	104.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	650	MGL	92.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	15	MGL	150.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	104.000	92.857	MGL	11.3	(0-20)	

QC Ref #447571 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08160456	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	10600	10300	MGL		(0-10)	2.9
LCS1	Total Dissolved Solid (TDS)	175	158	MGL	90.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	664	MGL	94.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	14	MGL	140.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	90.286	94.857	MGL	4.9	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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QC Ref #447661 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08160315	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	72	68	MGL		(0-10)	5.7
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	574	MGL	82.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	86.857	82.000	MGL	5.8	(0-20)	

QC Ref #447771 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08120332	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.97	MGL	97.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0133	MGL	133.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.945	MGL	94.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.947	MGL	94.7	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.942	MGL	94.2	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.950	MGL	95.0	(70-130)	

QC Ref #447773 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08160452	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.967	MGL	96.7	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)	

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MS	Chromium, Total, ICAP	1.00	0.960	MGL	96.0	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.932	MGL	93.2	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.949	MGL	94.9	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.937	MGL	93.7	(70-130)

QC Ref #448258 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08160441	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS2	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS3	Perchlorate	4	4.44	UGL	111.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.5	UGL	98.0	(80-120)	
MSD	Perchlorate	25.0	24.6	UGL	98.4	(80-120)	
RPD_LCS	Perchlorate	101.600	101.200	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	98.000	98.400	UGL	1.0	(0-15)	

QC Ref #448260 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08140277	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.3	UGL	105.2	(85-115)	
LCS2	Perchlorate	25.0	26.1	UGL	104.4	(85-115)	
LCS3	Perchlorate	4	4.52	UGL	113.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
MSD	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
RPD_LCS	Perchlorate	105.200	104.400	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	100.000	97.600	UGL	1.0	(0-15)	

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(continued)

QC Ref #448584 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08200475	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS2	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS3	Perchlorate	4	4.13	UGL	103.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.1	UGL	96.4	(80-120)	
MSD	Perchlorate	25.0	23.8	UGL	95.2	(80-120)	
RPD_LCS	Perchlorate	102.000	100.000	UGL	2.0	(0-15)	
RPD_MS	Perchlorate	96.400	95.200	UGL	1.0	(0-15)	

QC Ref #448778 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08200475	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.5	UGL	102.0	(85-115)	
LCS2	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS3	Perchlorate	4	4.13	UGL	103.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.1	UGL	96.4	(80-120)	
MSD	Perchlorate	25.0	23.8	UGL	95.2	(80-120)	
RPD_LCS	Perchlorate	102.000	100.000	UGL	2.0	(0-15)	
RPD_MS	Perchlorate	96.400	95.200	UGL	1.0	(0-15)	

QC Ref #448790 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08190154	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS2	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

LCS3	Perchlorate	4	4.37	UGL	109.2	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	24.3	UGL	97.2	(80-120)
MSD	Perchlorate	25.0	25.0	UGL	100.0	(80-120)
RPD_LCS	Perchlorate	104.000	101.600	UGL	2.3	(0-15)
RPD_MS	Perchlorate	97.200	100.000	UGL	1.0	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Sep 10 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 251181
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 6 page[s].

MWH

BUILDING A BETTER WORLD

September 11, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 251181

Enclosed is MWH Laboratories Report 251181

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on August 19, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

TDS-The first LCS recovery above method limits. Second LCS recovery within method limits.

Other observations:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

935 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

2/18/08

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	CLO4

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4TDS	CR	SAMPLER COMMENTS
6:00 AM	8/18/2008		ART-5	RSW	X		X	X	NO SAMPLE
6:00 AM	8/18/2008		ART-6	RSW	X		X	X	

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	8/18/2008	12:00 PM
RECEIVED BY:	[signature]	Salvador Mata	[illegible]	8.19.08	11:03
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143301

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	08/18/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES
☒ Prepaid ☐ Collect

N/AR

CUSTOMER PO OR REQ'N NO.

SHIPPED FROM
Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly ART Well (ART-6) One Ice Chest @ 23 lbs		1 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:
The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 23	TOTAL TARE WEIGHT 0	23

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS0530808/21/24

Ship Date: 18AUG08
ActWgt: 23 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

Ref # MSO #143301
Invoice #
PO #
Dept #

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

TUE - 19AUG **A2**

TRK# 0201 7984 9753 6121

PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 251181
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **08/19/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2808190232	ART-6	Water	18-aug-2008 06:00:00
	CLO4 CR6010 P T TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#251181

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2808190232)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

L1 - The associated blank spike recovery was above lab acceptance limits.

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Monrovia, California 91016-3629
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Laboratory
Hits Report
#251181

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
19-aug-2008 14:11:05

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2808190232	ART-6				
08/31/08	Chromium, Total, ICAP		0.22		mg/l	0.020
08/29/08	Metals digestion performed.		Y		Yes/No	
09/01/08	Perchlorate		78700		ug/l	20000
08/25/08	Total Dissolved Solid (TDS)		9550	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
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1 800 566 LABS (1 800 566 5227)

Laboratory
Data Report
#251181

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08/19/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-6 (2808190232) Sampled on 08/18/08 06:00								
	09/01/08 06:01	448780	(EPA 314)	Perchlorate	78700	ug/l	20000	5000
08/29/08	08/31/08 00:00	447982	(ML/EPA 6010B)	Chromium, Total, ICAP	0.22	mg/l	0.020	2
	08/29/08 17:22		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
08/25/08	08/25/08 15:05	448520	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9550(L1)	mg/l	10	1

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Summary
#251181

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 08/19/2008**

2808190232	ART-6	Analyzed by: jrf
2808190232	ART-6	Analyzed by: jrf

QC Ref #447982 - Chromium, Total, ICAP **Analysis Date: 08/31/2008**

2808190232	ART-6	Analyzed by: csk

QC Ref #448520 - Total Dissolved Solid (TDS) **Analysis Date: 08/25/2008**

2808190232	ART-6	Analyzed by: axa

QC Ref #448780 - Perchlorate **Analysis Date: 09/01/2008**

2808190232	ART-6	Analyzed by: ser

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#251181

Tronox LLC - Henderson

QC Ref #447982 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08220239	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	0.961	MGL	96.1	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.951	MGL	95.1	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0104	MGL	104.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.955	MGL	95.5	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.978	MGL	97.8	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.958	MGL	95.8	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.964	MGL	96.4	(70-130)	

QC Ref #448520 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	08180214	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	538	524	MGL		(0-10)	2.6
LCS1	Total Dissolved Solid (TDS)	175	220	MGL	125.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	726	MGL	103.7	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	125.714	103.714	MGL	19.2	(0-20)	

QC Ref #448780 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	08250257	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.4	UGL	97.6	(85-115)	
LCS2	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS3	Perchlorate	4	4.23	UGL	105.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
MSD	Perchlorate	25.0	23.6	UGL	94.4	(80-120)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

RPD_LCS	Perchlorate	97.600	100.000	UGL	2.4	(0-15)
RPD_MS	Perchlorate	93.200	94.400	UGL	1.0	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Oct 09 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 253362
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 12 page[s].

MWH

BUILDING A BETTER WORLD

October 9, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 253362

Enclosed is MWH Laboratories Report 253362

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on Setpember 9, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

One sample was re-analyzed past hold time because initial results were not consistent with historical data.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

700 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

J53369

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: J.S.

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Weekly - SO #12373

Sampler: Russell Speckin
Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4	TDS	CR	SAMPLER COMMENTS
5:30	9/8/08		ART-1	RSW	X		X	X		
5:30	9/8/08		ART-2	RSW	X		X	X		
5:30	9/8/08		ART-3	RSW	X		X	X		
5:30	9/8/08		ART-4	RSW	X		X	X		
5:30	9/8/08		ART-5	RSW	X		X	X		
5:30	9/8/08		ART-6	RSW	X		X	X		NO SAMPLE
5:30	9/8/08		ART-7	RSW	X		X	X		
5:30	9/8/08		ART-8	RSW	X		X	X		
0600	9/8/08		PC-99R2/R3	RSW	X		X	X		
0600	9/8/08		PC-115R	RSW	X		X	X		
0600	9/8/08		PC-116R	RSW	X		X	X		
0600	9/8/08		Seep Surface Flow	RSW	X		X	X		NO SAMPLE

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	(per J. Sanchez)	Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant	9/8/2008	1200pm
RECEIVED BY:	JOE SANCHEZ	MWH		9-9-08	1010
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C#

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

25334g-

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12373

Sampler Signature: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant LLC
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total ClO_4	TDS	CR	SAMPLER COMMENTS
6:00	9/8/08		SF-1	RSW	X		X	X		
6:00	9/8/08		PC-117	RSW	X		X	X		
6:00	9/8/08		PC-118	RSW	X		X	X		
6:00	9/8/08		PC-119	RSW	X		X	X		
6:00	9/8/08		PC-120	RSW	X		X	X		
6:00	9/8/08		PC-121	RSW	X		X	X		
6:00	9/8/08		PC-133	RSW	X		X	X		
5:30	9/8/08		ART-9	RSW	X		X	X		

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Joe Sanchez	Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant	9/8/2008	1200pm
RECEIVED BY:		JOE SANCHEZ	MWH	9-9-08	10
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly Period

Andrew Eaton **Your MWL Project Manager**
(626) 386-1125 **Direct Phone/Voice Mail**

SO# **44423** 12373 **RS**
0

Created by **MWH**
Order Date **08/21/08**

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
30	CLO4, TDS,	1 250 ml poly /no preservative		**Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC**
	SHEET OF LABELS WITH WELL-IDS	see comments section		Monthly effective 11-30-07
				PC-117, PC-118, PC-119, PC-120, and PC-121
				PC-116R
				PC-99R2
				PC-99R3
				PC-115R
				ART-1
				ART-2
				ART-3
				ART-4
				ART-5
				ART-6
				ART-7
				ART-8
				Seep Surface Flow
				SF-1"
				Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
				EXTRA BOTTLES INCLUDED
				client code changed 7/25/03
				Testcode updated 3-16-06
				standing order changed 6-14-06
				login note added 7-6-06 TDS

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143335

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	09/08/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES
☒ Prepaid ☐ Collect

N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
		Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly ART and PC Well Samples One Ice Chest @ 48 lbs		1 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 48	TOTAL TARE WEIGHT 0	48

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS853086/21124

Ship Date: 08SEP08
ActWgt: 48 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143335
Invoice #
PO #
Dept #

TRK# 0201 7905 7249 9198

TUE - 09SEP **A2**
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 253362
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **09/09/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2809090223	ART-1	CLO4 TDS	Water	08-sep-2008 05:30:00
2809090224	ART-2	CLO4 TDS	Water	08-sep-2008 05:30:00
2809090225	ART-3	CLO4 TDS	Water	08-sep-2008 05:30:00
2809090226	ART-4	CLO4 TDS	Water	08-sep-2008 05:30:00
2809090227	ART-6	CLO4 TDS	Water	08-sep-2008 05:30:00
2809090228	ART-7	CLO4 TDS	Water	08-sep-2008 05:30:00
2809090229	ART-8	CLO4 TDS	Water	08-sep-2008 05:30:00
2809090230	PC-99R2/R3	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090231	PC-115R	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090232	PC-116R	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090233	SF-1	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090234	PC-117	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090235	PC-118	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090236	PC-119	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090237	PC-120	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090238	PC-121	CLO4 TDS	Water	08-sep-2008 06:00:00
2809090239	PC-133	CLO4 TDS	Water	08-sep-2008 06:00:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 253362
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2809090240	ART-9	Water	08-sep-2008 05:30:00
	CLO4 TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#253362

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

~~(QC Ref#: 2809090228)~~

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09-sep-2008 14:07:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809090223	ART-1				
09/16/08	Perchlorate		134		ug/l	20
09/14/08	Total Dissolved Solid (TDS)		8300	500	mg/l	10
	2809090224	ART-2				
09/16/08	Perchlorate		59000		ug/l	4000
09/14/08	Total Dissolved Solid (TDS)		12100	500	mg/l	10
	2809090225	ART-3				
09/16/08	Perchlorate		280000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		10800	500	mg/l	10
	2809090226	ART-4				
09/16/08	Perchlorate		300000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		5880	500	mg/l	10
	2809090227	ART-6				
09/16/08	Perchlorate		75000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		8500	500	mg/l	10
	2809090228	ART-7				
09/16/08	Perchlorate		127000		ug/l	8000
09/19/08	Total Dissolved Solid (TDS)		8650	500	mg/l	10
	2809090229	ART-8				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09-sep-2008 14:07:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809090229	ART-8				
09/17/08	Perchlorate		222000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		12100	500	mg/l	10
	2809090230	PC-99R2/R3				
09/17/08	Perchlorate		11400		ug/l	800
09/14/08	Total Dissolved Solid (TDS)		4780	500	mg/l	10
	2809090231	PC-115R				
09/17/08	Perchlorate		10600		ug/l	800
09/14/08	Total Dissolved Solid (TDS)		4610	500	mg/l	10
	2809090232	PC-116R				
09/17/08	Perchlorate		7700		ug/l	400
09/14/08	Total Dissolved Solid (TDS)		4780	500	mg/l	10
	2809090233	SF-1				
09/14/08	Total Dissolved Solid (TDS)		6440	500	mg/l	10
	2809090234	PC-117				
09/17/08	Perchlorate		2300		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		3270	500	mg/l	10
	2809090235	PC-118				
09/17/08	Perchlorate		8580		ug/l	400

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09-sep-2008 14:07:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809090235	PC-118				
09/14/08	Total Dissolved Solid (TDS)		4430	500	mg/l	10
	2809090236	PC-119				
09/17/08	Perchlorate		3010		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		3140	500	mg/l	10
	2809090237	PC-120				
09/17/08	Perchlorate		2570		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		3040	500	mg/l	10
	2809090238	PC-121				
09/17/08	Perchlorate		993		ug/l	80
09/14/08	Total Dissolved Solid (TDS)		2640	500	mg/l	10
	2809090239	PC-133				
10/01/08	Perchlorate		1330		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		2670	500	mg/l	10
	2809090240	ART-9				
09/14/08	Perchlorate		311000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		8600	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09/09/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2809090223)				**Sampled on 09/08/08 05:30**				
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	134	ug/l	20	5
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8300	mg/l	10	1
ART-2 (2809090224)				**Sampled on 09/08/08 05:30**				
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	59000	ug/l	4000	1000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12100	mg/l	10	1
ART-3 (2809090225)				**Sampled on 09/08/08 05:30**				
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	280000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10800	mg/l	10	1
ART-4 (2809090226)				**Sampled on 09/08/08 05:30**				
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	300000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5880	mg/l	10	1
ART-6 (2809090227)				**Sampled on 09/08/08 05:30**				
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	75000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8500	mg/l	10	1
ART-7 (2809090228)				**Sampled on 09/08/08 05:30**				
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	127000	ug/l	8000	2000
09/19/08	09/19/08 16:55	451827	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8650(HA)	mg/l	10	1
ART-8 (2809090229)				**Sampled on 09/08/08 05:30**				
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	222000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12100	mg/l	10	1

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Laboratory
Data Report
#253362

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-99R2/R3 (2809090230) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	11400	ug/l	800	200
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4780	mg/l	10	1
PC-115R (2809090231) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	10600	ug/l	800	200
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4610	mg/l	10	1
PC-116R (2809090232) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	7700	ug/l	400	100
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4780	mg/l	10	1
SF-1 (2809090233) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	ND	ug/l	10	5
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6440	mg/l	10	1
PC-117 (2809090234) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	2300	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3270	mg/l	10	1
PC-118 (2809090235) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	8580	ug/l	400	100
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4430	mg/l	10	1
PC-119 (2809090236) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	3010	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3140	mg/l	10	1
PC-120 (2809090237) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	2570	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3040	mg/l	10	1

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Laboratory
Data Report
#253362

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-121 (2809090238)			**Sampled on 09/08/08 06:00**					
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	993	ug/l	80	20
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2640	mg/l	10	1
PC-133 (2809090239)			**Sampled on 09/08/08 06:00**					
	10/01/08 17:14	453954	(EPA 314)	Perchlorate	1330	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2670	mg/l	10	1
ART-9 (2809090240)			**Sampled on 09/08/08 05:30**					
	09/14/08 03:28	450596	(EPA 314)	Perchlorate	311000	ug/l	20000	5000
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8600	mg/l	10	1

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1 800 566 LABS (1 800 566 5227)

Laboratory
QC Summary
#253362

Tronox LLC - Henderson

QC Ref #0 - Total Dissolved Solid (TDS) Analysis Date: 09/19/2008

2809090228	ART-7	Analyzed by: anh

QC Ref #450596 - Perchlorate Analysis Date: 09/14/2008

2809090240	ART-9	Analyzed by: ser

QC Ref #451350 - Total Dissolved Solid (TDS) Analysis Date: 09/14/2008

2809090232	PC-116R	Analyzed by: axd
2809090233	SF-1	Analyzed by: axd
2809090234	PC-117	Analyzed by: axd
2809090235	PC-118	Analyzed by: axd
2809090236	PC-119	Analyzed by: axd
2809090237	PC-120	Analyzed by: axd
2809090238	PC-121	Analyzed by: axd
2809090239	PC-133	Analyzed by: axd
2809090240	ART-9	Analyzed by: axd

QC Ref #451351 - Total Dissolved Solid (TDS) Analysis Date: 09/14/2008

2809090223	ART-1	Analyzed by: axd
2809090224	ART-2	Analyzed by: axd
2809090225	ART-3	Analyzed by: axd
2809090226	ART-4	Analyzed by: axd
2809090227	ART-6	Analyzed by: axd
2809090229	ART-8	Analyzed by: axd
2809090230	PC-99R2/R3	Analyzed by: axd
2809090231	PC-115R	Analyzed by: axd

QC Ref #451827 - Total Dissolved Solid (TDS) Analysis Date: 09/19/2008

2809090228	ART-7	Analyzed by: anh

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Tronox LLC - Henderson
(continued)

QC Ref #452018 - Perchlorate **Analysis Date: 09/16/2008**

2809090223	ART-1	Analyzed by: ser
2809090224	ART-2	Analyzed by: ser
2809090225	ART-3	Analyzed by: ser
2809090226	ART-4	Analyzed by: ser
2809090227	ART-6	Analyzed by: ser
2809090228	ART-7	Analyzed by: ser
2809090229	ART-8	Analyzed by: ser
2809090230	PC-99R2/R3	Analyzed by: ser
2809090231	PC-115R	Analyzed by: ser
2809090232	PC-116R	Analyzed by: ser
2809090233	SF-1	Analyzed by: ser
2809090234	PC-117	Analyzed by: ser
2809090235	PC-118	Analyzed by: ser
2809090236	PC-119	Analyzed by: ser
2809090237	PC-120	Analyzed by: ser
2809090238	PC-121	Analyzed by: ser

QC Ref #453954 - Perchlorate **Analysis Date: 10/01/2008**

2809090239	PC-133	Analyzed by: ser

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Laboratory
QC Report
#253362

Tronox LLC - Henderson

QC Ref #450596 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09100142	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
LCS2	Perchlorate	25.0	22.3	UGL	89.2	(85-115)	
LCS3	Perchlorate	4	3.72	UGL	93.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.7	UGL	94.8	(80-120)	
MSD	Perchlorate	25.0	25.1	UGL	100.4	(80-120)	
RPD_LCS	Perchlorate	95.200	89.200	UGL	6.5	(0-15)	
RPD_MS	Perchlorate	94.800	100.400	UGL	1.1	(0-15)	

QC Ref #451350 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09090232	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	4830	4780	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	194	MGL	110.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	708	MGL	101.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	110.857	101.143	MGL	9.2	(0-20)	

QC Ref #451351 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09080276	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	248	272	MGL		(0-10)	9.2
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	100.286	MGL	1.4	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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[illegible]

Laboratory
QC Report
#253362

Tronox LLC - Henderson
(continued)

QC Ref #451827 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09190130	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	184	172	MGL		(0-10)	6.7
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MR CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPT LCS	Total Dissolved Solid (TDS)	86.857	99.143	MGL	13.2	(0-20)	

QC Ref #452018 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09050345	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS3	Perchlorate	4	4.13	UGL	103.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	28.9	UGL	115.6	(80-120)	
MSD	Perchlorate	25.0	26.9	UGL	107.6	(80-120)	
RPT LCS	Perchlorate	110.000	106.000	UGL	3.7	(0-15)	
RPT MS	Perchlorate	115.600	107.600	UGL	0.9	(0-15)	

QC Ref #453954 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09290087	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.4	UGL	97.6	(85-115)	
LCS2	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS3	Perchlorate	4	4.74	UGL	118.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)
MSD	Perchlorate	25.0	26.0	UGL	104.0	(80-120)
RPD_LCS	Perchlorate	97.600	101.200	UGL	3.6	(0-15)
RPD_MS	Perchlorate	97.600	104.000	UGL	1.1	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Oct 09 2008
MWH LABORATORIES

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

ADE Andy Eaton
Project Manager

Report#: 253362
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 12 page[s].

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Report
Comments
#253362

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2809090228)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

HA - Initial analysis within holding time. Reanalysis was past holding time.

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Laboratory
Hits Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09-sep-2008 14:07:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809090223	ART-1				
09/16/08	Perchlorate		134		ug/l	20
09/14/08	Total Dissolved Solid (TDS)		8300	500	mg/l	10
	2809090224	ART-2				
09/16/08	Perchlorate		59000		ug/l	4000
09/14/08	Total Dissolved Solid (TDS)		12100	500	mg/l	10
	2809090225	ART-3				
09/16/08	Perchlorate		280000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		10800	500	mg/l	10
	2809090226	ART-4				
09/16/08	Perchlorate		300000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		5880	500	mg/l	10
	2809090227	ART-6				
09/16/08	Perchlorate		75000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		8500	500	mg/l	10
	2809090228	ART-7				
09/16/08	Perchlorate		127000		ug/l	8000
09/19/08	Total Dissolved Solid (TDS)		8650	500	mg/l	10
	2809090229	ART-8				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09-sep-2008 14:07:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809090229	ART-8				
09/17/08	Perchlorate		222000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		12100	500	mg/l	10
	2809090230	PC-99R2/R3				
09/17/08	Perchlorate		11400		ug/l	800
09/14/08	Total Dissolved Solid (TDS)		4780	500	mg/l	10
	2809090231	PC-115R				
09/17/08	Perchlorate		10600		ug/l	800
09/14/08	Total Dissolved Solid (TDS)		4610	500	mg/l	10
	2809090232	PC-116R				
09/17/08	Perchlorate		7700		ug/l	400
09/14/08	Total Dissolved Solid (TDS)		4780	500	mg/l	10
	2809090233	SF-1				
09/14/08	Total Dissolved Solid (TDS)		6440	500	mg/l	10
	2809090234	PC-117				
09/17/08	Perchlorate		2300		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		3270	500	mg/l	10
	2809090235	PC-118				
09/17/08	Perchlorate		8580		ug/l	400

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09-sep-2008 14:07:13

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809090235	PC-118				
09/14/08	Total Dissolved Solid (TDS)		4430	500	mg/l	10
	2809090236	PC-119				
09/17/08	Perchlorate		3010		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		3140	500	mg/l	10
	2809090237	PC-120				
09/17/08	Perchlorate		2570		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		3040	500	mg/l	10
	2809090238	PC-121				
09/17/08	Perchlorate		993		ug/l	80
09/14/08	Total Dissolved Solid (TDS)		2640	500	mg/l	10
	2809090239	PC-133				
10/01/08	Perchlorate		1330		ug/l	200
09/14/08	Total Dissolved Solid (TDS)		2670	500	mg/l	10
	2809090240	ART-9				
09/14/08	Perchlorate		311000		ug/l	20000
09/14/08	Total Dissolved Solid (TDS)		8600	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#253362

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
09/09/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2809090223)			**Sampled on 09/08/08 05:30**					
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	134	ug/l	20	5
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8300	mg/l	10	1
ART-2 (2809090224)			**Sampled on 09/08/08 05:30**					
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	59000	ug/l	4000	1000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12100	mg/l	10	1
ART-3 (2809090225)			**Sampled on 09/08/08 05:30**					
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	280000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10800	mg/l	10	1
ART-4 (2809090226)			**Sampled on 09/08/08 05:30**					
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	300000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5880	mg/l	10	1
ART-6 (2809090227)			**Sampled on 09/08/08 05:30**					
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	75000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8500	mg/l	10	1
ART-7 (2809090228)			**Sampled on 09/08/08 05:30**					
	09/16/08 17:09	452018	(EPA 314)	Perchlorate	127000	ug/l	8000	2000
09/19/08	09/19/08 16:55	451827	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8650(HA)	mg/l	10	1
ART-8 (2809090229)			**Sampled on 09/08/08 05:30**					
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	222000	ug/l	20000	5000
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	12100	mg/l	10	1

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Laboratory
Data Report
#253362

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-99R2/R3 (2809090230) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	11400	ug/l	800	200
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4780	mg/l	10	1
PC-115R (2809090231) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	10600	ug/l	800	200
09/14/08	09/14/08 12:05	451351	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4610	mg/l	10	1
PC-116R (2809090232) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	7700	ug/l	400	100
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4780	mg/l	10	1
SF-1 (2809090233) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	ND	ug/l	10	5
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6440	mg/l	10	1
PC-117 (2809090234) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	2300	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3270	mg/l	10	1
PC-118 (2809090235) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	8580	ug/l	400	100
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4430	mg/l	10	1
PC-119 (2809090236) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	3010	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3140	mg/l	10	1
PC-120 (2809090237) Sampled on 09/08/08 06:00								
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	2570	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3040	mg/l	10	1

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Laboratory
Data Report
#253362

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-121 (2809090238)			**Sampled on 09/08/08 06:00**					
	09/17/08 00:00	452018	(EPA 314)	Perchlorate	993	ug/l	80	20
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2640	mg/l	10	1
PC-133 (2809090239)			**Sampled on 09/08/08 06:00**					
	10/01/08 17:14	453954	(EPA 314)	Perchlorate	1330	ug/l	200	50
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2670	mg/l	10	1
ART-9 (2809090240)			**Sampled on 09/08/08 05:30**					
	09/14/08 03:28	450596	(EPA 314)	Perchlorate	311000	ug/l	20000	5000
09/14/08	09/14/08 11:05	451350	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8600	mg/l	10	1

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Laboratory
QC Summary
#253362

Tronox LLC - Henderson

QC Ref #0 - Total Dissolved Solid (TDS) Analysis Date: 09/19/2008

2809090228	ART-7

QC Ref #450596 - Perchlorate Analysis Date: 09/14/2008

2809090240	ART-9

QC Ref #451350 - Total Dissolved Solid (TDS) Analysis Date: 09/14/2008

2809090232	PC-116R
2809090233	SF-1
2809090234	PC-117
2809090235	PC-118
2809090236	PC-119
2809090237	PC-120
2809090238	PC-121
2809090239	PC-133
2809090240	ART-9

QC Ref #451351 - Total Dissolved Solid (TDS) Analysis Date: 09/14/2008

2809090223	ART-1
2809090224	ART-2
2809090225	ART-3
2809090226	ART-4
2809090227	ART-6
2809090229	ART-8
2809090230	PC-99R2/R3
2809090231	PC-115R

QC Ref #451827 - Total Dissolved Solid (TDS) Analysis Date: 09/19/2008

2809090228	ART-7

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Laboratory
QC Summary
#253362

Tronox LLC - Henderson
(continued)

QC Ref #452018 - Perchlorate

Analysis Date: 09/16/2008

2809090223	ART-1
2809090224	ART-2
2809090225	ART-3
2809090226	ART-4
2809090227	ART-6
2809090228	ART-7
2809090229	ART-8
2809090230	PC-99R2/R3
2809090231	PC-115R
2809090232	PC-116R
2809090233	SF-1
2809090234	PC-117
2809090235	PC-118
2809090236	PC-119
2809090237	PC-120
2809090238	PC-121

QC Ref #453954 - Perchlorate

Analysis Date: 10/01/2008

2809090239	PC-133

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Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
† 800 566 LABS († 800 566 5227)

Laboratory
QC Report
#253362

Tronox LLC - Henderson

QC Ref #450596 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09100142	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
LCS2	Perchlorate	25.0	22.3	UGL	89.2	(85-115)	
LCS3	Perchlorate	4	3.72	UGL	93.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.7	UGL	94.8	(80-120)	
MSD	Perchlorate	25.0	25.1	UGL	100.4	(80-120)	
RPD_LCS	Perchlorate	95.200	89.200	UGL	6.5	(0-15)	
RPD_MS	Perchlorate	94.800	100.400	UGL	1.1	(0-15)	

QC Ref #451350 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09090232	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	4830	4780	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	194	MGL	110.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	708	MGL	101.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	110.857	101.143	MGL	9.2	(0-20)	

QC Ref #451351 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09080276	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	248	272	MGL		(0-10)	9.2
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	100.286	MGL	1.4	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
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1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#253362

Tronox LLC - Henderson
(continued)

QC Ref #451827 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09190130	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	184	172	MGL		(0-10)	6.7
LCS1	Total Dissolved Solid (TDS)	175	152	MGL	86.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	86.857	99.143	MGL	13.2	(0-20)	

QC Ref #452018 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09050345	UGL		(0-0)	
LCS1	Perchlorate	25.0	27.5	UGL	110.0	(85-115)	
LCS2	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS3	Perchlorate	4	4.13	UGL	103.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	28.9	UGL	115.6	(80-120)	
MSD	Perchlorate	25.0	26.9	UGL	107.6	(80-120)	
RPD_LCS	Perchlorate	110.000	106.000	UGL	3.7	(0-15)	
RPD_MS	Perchlorate	115.600	107.600	UGL	0.9	(0-15)	

QC Ref #453954 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09290087	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.4	UGL	97.6	(85-115)	
LCS2	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS3	Perchlorate	4	4.74	UGL	118.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#253362

Tronox LLC - Henderson
(continued)

MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)
MSD	Perchlorate	25.0	26.0	UGL	104.0	(80-120)
RPD_LCS	Perchlorate	97.600	101.200	UGL	3.6	(0-15)
RPD_MS	Perchlorate	97.600	104.000	UGL	1.1	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Oct 08 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 253834
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

October 9, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 253834

Enclosed is MWH Laboratories Report 253834

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on Setpember 12, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

One sample was re-analyzed past hold time because initial results were not consistent with historical data.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

253834

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP. RECEIPT AT LAB: 3.2

BLUE ICE: FROZEN X PARTIALLY FROZEN X THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
			M-83	RSW	X		X	X				
0920	9-11-08		M-87	RSW	X		X	X				No sample
0931	9-10-08		PC-98R	RSW	X		X	X				
1207	9908		PC-86	RSW	X		X	X				
1147	9908		PC-90	RSW	X		X	X				
9:42	9-8-08		PC-56	RSW	X		X	X				
9:41	9-8-08		PC-58	RSW	X		X	X				
9:35	9-8-08		PC-59	RSW	X		X	X				
9:33	9-8-08		PC-60	RSW	X		X	X				
9:26	9-8-08		PC-62	RSW	X		X	X				
9:22	9-8-08		PC-68	RSW	X		X	X				
			PC-122	RSW	X		X	X				No Sample

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant		1200pm
RECEIVED BY:		M. DE MESA	MWH	9-12-8	1000
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

253834

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
1222	9908		PC-91	RSW	X		X	X				
1125	9908		PC-97	RSW	X		X	X				
0846	9908		PC-17	RSW	X		X	X				
0902	9908		PC-18	RSW	X		X	X				
1025	9908		PC-55	RSW	X		X	X				
			PC-101R	RSW	X		X	X				NO SAMPLE
0741	9908		L-635	RSW	X		X	X				
0819	9908		L-637	RSW	X		X	X				

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant		1200pm
RECEIVED BY:		M. DE MESA	MWH	9-12-8	1005
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

253834

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374
Sampler: Russell Speckin Susan Crowley (702) 651-2200	Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
1232	91008		MWK-4	RSW	X		X	X				
1055	9-9-08		ARP-1	RSW	X		X	X				
			ARP-2	RSW	X		X	X				NO SAMPLE
			ARP-3	RSW	X		X	X				NO SAMPLE
1245	9-10-08		ARP-4A	RSW	X		X	X				
102	9-10-08		ARP-5A	RSW	X		X	X				
114	9-10-08		ARP-6B	RSW	X		X	X				
			ARP-7	RSW	X		X	X				NO SAMPLE
0803	9-10-08		PC-53	RSW	X		X	X				
0856	91008		PC-103	RSW	X		X	X				
0829	9-10-08		MWK-5	RSW	X		X	X				

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	[signature]	Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant		1200pm
RECEIVED BY:	[signature]	M. DeMesa	MWH	9-12-8	1000
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly Period

Andrew Eaton **Your MWL Project Manager**
(626) 386-1125 **Direct Phone/Voice Mail**

SO# **44424** 12374 **RS**

0

Sampler: Please Return this Paper with your samples

Created by **MWH**
Order Date **08/21/08**
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#		Important Comments
41	CLO4, TDS	1 250 ml poly /no preservative			These sites are monthly till further notice.
	SHEET OF LABELS WITH WELL-IDS	see comments section			Shipping - please send bottles in cooler rather than a box
					PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R
					L-635, L-637
					MW-K2, MW-K4
					ARP-1, ARP-2, ARP-3, ARP-4
					ARP-5, ARP-6, ARP-7, PC-53
					PC-103, MW-K5, M-83
					M-87 , PC-98R; PC-56, PC-58;
					PC-59, PC-60, PC-62, PC-68, PC-122
					Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
					EXTRA BOTTLES INCLUDED
					client code changed 7/25/03
					bottle order and IDs updated 9/9/03
					testcodes updated 3-16-06
					test changed from EC to TDS as

tiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number

Prepared By

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

E

CLS053088/21/24

Ship Date: 11SEP08
ActWgt: 46 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 BILL SENDER

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143343
Invoice #
PO #
Dept #

TRK# 0201 7900 8281 3135

FRI - 12SEP A2
PRIORITY OVERNIGHT

91016
CA-US
BUR

QZ WHPA

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143343

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	09/11/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

FREIGHT CHARGES
☒ Prepaid ☐ Collect

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
		Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly ART and PC Well Samples One Ice Chest @ 46 lbs		1 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 46	TOTAL TARE WEIGHT 0	46

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 253834
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **09/12/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled		Matrix	Sample Date
2809120111	M-87	CLO4	TDS	Water	11-sep-2008 09:30:00
2809120112	PC-98R	CLO4	TDS	Water	10-sep-2008 09:31:00
2809120113	PC-86	CLO4	TDS	Water	09-sep-2008 12:07:00
2809120114	PC-90	CLO4	TDS	Water	09-sep-2008 11:47:00
2809120115	PC-56	CLO4	TDS	Water	08-sep-2008 07:46:00
2809120116	PC-58	CLO4	TDS	Water	08-sep-2008 07:41:00
2809120117	PC-59	CLO4	TDS	Water	08-sep-2008 07:37:00
2809120118	PC-60	CLO4	TDS	Water	08-sep-2008 07:33:00
2809120119	PC-62	CLO4	TDS	Water	08-sep-2008 07:26:00
2809120120	PC-68	CLO4	TDS	Water	08-sep-2008 07:22:00
2809120121	PC-91	CLO4	TDS	Water	09-sep-2008 12:22:00
2809120122	PC-97	CLO4	TDS	Water	09-sep-2008 11:25:00
2809120123	PC-17	CLO4	TDS	Water	09-sep-2008 08:46:00
2809120124	PC-18	CLO4	TDS	Water	09-sep-2008 09:02:00
2809120125	PC-55	CLO4	TDS	Water	09-sep-2008 10:25:00
2809120126	L-635	CLO4	TDS	Water	09-sep-2008 07:41:00
2809120127	L-637	CLO4	TDS	Water	09-sep-2008 08:19:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 253834
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled		Matrix	Sample Date
2809120128	MWK-4	CLO4	TDS	Water	10-sep-2008 12:32:00
2809120129	ARP-1	CLO4	TDS	Water	09-sep-2008 10:55:00
2809120130	ARP-4A	CLO4	TDS	Water	10-sep-2008 12:45:00
2809120131	ARP-5A	CLO4	TDS	Water	10-sep-2008 13:02:00
2809120132	ARP-6B	CLO4	TDS	Water	10-sep-2008 13:14:00
2809120133	PC-63	CLO4	TDS	Water	10-sep-2008 08:03:00
2809120134	PC-103	CLO4	TDS	Water	10-sep-2008 08:56:00
2809120135	MWK-5	CLO4	TDS	Water	10-sep-2008 08:29:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#253834

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2809120129)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

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Laboratory
Hits Report
#253834

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120111	**M-87**				
09/27/08	Perchlorate		308000		ug/l	20000
09/16/08	Total Dissolved Solid (TDS)		4600	500	mg/l	10
	2809120112	**PC-98R**				
09/19/08	Perchlorate		15100		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		7000	500	mg/l	10
	2809120113	**PC-86**				
09/19/08	Perchlorate		1190		ug/l	80
09/16/08	Total Dissolved Solid (TDS)		2600	500	mg/l	10
	2809120114	**PC-90**				
09/27/08	Perchlorate		8110		ug/l	400
09/16/08	Total Dissolved Solid (TDS)		3900	500	mg/l	10
	2809120115	**PC-56**				
09/28/08	Perchlorate		1010		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		2800	500	mg/l	10
	2809120116	**PC-58**				
09/27/08	Perchlorate		6080		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		5900	500	mg/l	10
	2809120117	**PC-59**				

SUMMARY OF POSITIVE DATA ONLY.

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Susan Crowley
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Henderson , NV 89009

Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120117	**PC-59**				
09/27/08	Perchlorate		6640		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		4300	500	mg/l	10
	2809120118	**PC-60**				
09/19/08	Perchlorate		6370		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		4200	500	mg/l	10
	2809120119	**PC-62**				
09/27/08	Perchlorate		2160		ug/l	200
09/15/08	Total Dissolved Solid (TDS)		3000	500	mg/l	10
	2809120120	**PC-68**				
09/27/08	Perchlorate		58		ug/l	4.0
09/15/08	Total Dissolved Solid (TDS)		2100	500	mg/l	10
	2809120121	**PC-91**				
09/19/08	Perchlorate		12400		ug/l	800
09/16/08	Total Dissolved Solid (TDS)		7700	500	mg/l	10
	2809120122	**PC-97**				
09/19/08	Perchlorate		298		ug/l	20
09/16/08	Total Dissolved Solid (TDS)		2600	500	mg/l	10
	2809120123	**PC-17**				

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12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120123	**PC-17**				
09/19/08	Perchlorate		164000		ug/l	20000
09/16/08	Total Dissolved Solid (TDS)		9700	500	mg/l	10
	2809120124	**PC-18**				
09/28/08	Perchlorate		97600		ug/l	20000
09/16/08	Total Dissolved Solid (TDS)		9900	500	mg/l	10
	2809120125	**PC-55**				
09/27/08	Perchlorate		829		ug/l	80
09/16/08	Total Dissolved Solid (TDS)		7900	500	mg/l	10
	2809120126	**L-635**				
09/16/08	Total Dissolved Solid (TDS)		7500	500	mg/l	10
	2809120127	**L-637**				
09/27/08	Perchlorate		31		ug/l	20
09/16/08	Total Dissolved Solid (TDS)		6700	500	mg/l	10
	2809120128	**MWK-4**				
09/27/08	Perchlorate		104000		ug/l	8000
09/16/08	Total Dissolved Solid (TDS)		6500	500	mg/l	10
	2809120129	**ARP-1**				
09/27/08	Perchlorate		2410		ug/l	200

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Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120129	**ARP-1**				
09/22/08	Total Dissolved Solid (TDS)		7200	500	mg/l	10
	2809120130	**ARP-4A**				
09/28/08	Perchlorate		31200		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	2809120131	**ARP-5A**				
09/28/08	Perchlorate		24800		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		6600	500	mg/l	10
	2809120132	**ARP-6B**				
09/28/08	Perchlorate		16700		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		10000	500	mg/l	10
	2809120133	**PC-63**				
09/28/08	Perchlorate		3560		ug/l	200
09/16/08	Total Dissolved Solid (TDS)		4800	500	mg/l	10
	2809120134	**PC-103**				
09/28/08	Perchlorate		9700		ug/l	800
09/16/08	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	2809120135	**MWK-5**				
09/28/08	Perchlorate		15200		ug/l	800

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Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120135	MWK-5				
09/16/08	Total Dissolved Solid (TDS)		7200	500	mg/l	10

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Samples Received
09/12/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2809120111)			**Sampled on 09/11/08 09:30**					
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	308000	ug/l	20000	5000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4600	mg/l	10	1
PC-98R (2809120112)			**Sampled on 09/10/08 09:31**					
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	15100	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7000	mg/l	10	1
PC-86 (2809120113)			**Sampled on 09/09/08 12:07**					
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	1190	ug/l	80	20
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2600	mg/l	10	1
PC-90 (2809120114)			**Sampled on 09/09/08 11:47**					
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	8110	ug/l	400	100
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3900	mg/l	10	1
PC-56 (2809120115)			**Sampled on 09/08/08 07:46**					
	09/28/08 16:23	453703	(EPA 314)	Perchlorate	1010	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2800	mg/l	10	1
PC-58 (2809120116)			**Sampled on 09/08/08 07:41**					
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	6080	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5900	mg/l	10	1
PC-59 (2809120117)			**Sampled on 09/08/08 07:37**					
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	6640	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4300	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-60 (2809120118) Sampled on 09/08/08 07:33								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	6370	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4200	mg/l	10	1
PC-62 (2809120119) Sampled on 09/08/08 07:26								
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	2160	ug/l	200	50
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3000	mg/l	10	1
PC-68 (2809120120) Sampled on 09/08/08 07:22								
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	58	ug/l	4.0	1
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2100	mg/l	10	1
PC-91 (2809120121) Sampled on 09/09/08 12:22								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	12400	ug/l	800	200
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7700	mg/l	10	1
PC-97 (2809120122) Sampled on 09/09/08 11:25								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	298	ug/l	20	5
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2600	mg/l	10	1
PC-17 (2809120123) Sampled on 09/09/08 08:46								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	164000	ug/l	20000	5000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9700	mg/l	10	1
PC-18 (2809120124) Sampled on 09/09/08 09:02								
	09/28/08 16:23	453703	(EPA 314)	Perchlorate	97600	ug/l	20000	5000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9900	mg/l	10	1
PC-55 (2809120125) Sampled on 09/09/08 10:25								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	829	ug/l	80	20
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7900	mg/l	10	1

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#253834

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
L-635 (2809120126) Sampled on 09/09/08 07:41								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	ND	ug/l	10	5
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7500	mg/l	10	1
L-637 (2809120127) Sampled on 09/09/08 08:19								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	31	ug/l	20	5
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6700	mg/l	10	1
MWK-4 (2809120128) Sampled on 09/10/08 12:32								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	104000	ug/l	8000	2000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6500	mg/l	10	1
ARP-1 (2809120129) Sampled on 09/09/08 10:55								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	2410	ug/l	200	50
09/22/08	09/22/08 18:15	452261	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7200(H1)	mg/l	10	1
ARP-4A (2809120130) Sampled on 09/10/08 12:45								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	31200	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4700	mg/l	10	1
ARP-5A (2809120131) Sampled on 09/10/08 13:02								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	24800	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6600	mg/l	10	1
ARP-6B (2809120132) Sampled on 09/10/08 13:14								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	16700	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10000	mg/l	10	1
PC-63 (2809120133) Sampled on 09/10/08 08:03								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	3560	ug/l	200	50
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4800	mg/l	10	1

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Laboratory
Data Report
#253834

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-103 (2809120134) Sampled on 09/10/08 08:56								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	9700	ug/l	800	200
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4700	mg/l	10	1
MWK-5 (2809120135) Sampled on 09/10/08 08:29								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	15200	ug/l	800	200
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7200	mg/l	10	1

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QC Summary
#253834

Tronox LLC - Henderson

QC Ref #451441 - Total Dissolved Solid (TDS) Analysis Date: 09/15/2008

2809120115	PC-56	Analyzed by: anh
2809120116	PC-58	Analyzed by: anh
2809120117	PC-59	Analyzed by: anh
2809120118	PC-60	Analyzed by: anh
2809120119	PC-62	Analyzed by: anh
2809120120	PC-68	Analyzed by: anh

QC Ref #451450 - Total Dissolved Solid (TDS) Analysis Date: 09/16/2008

2809120111	M-87	Analyzed by: anh
2809120112	PC-98R	Analyzed by: anh
2809120113	PC-86	Analyzed by: anh
2809120114	PC-90	Analyzed by: anh
2809120121	PC-91	Analyzed by: anh
2809120122	PC-97	Analyzed by: anh
2809120123	PC-17	Analyzed by: anh
2809120124	PC-18	Analyzed by: anh
2809120125	PC-55	Analyzed by: anh
2809120126	L-635	Analyzed by: anh
2809120127	L-637	Analyzed by: anh
2809120128	MWK-4	Analyzed by: anh
2809120130	ARP-4A	Analyzed by: anh
2809120131	ARP-5A	Analyzed by: anh
2809120132	ARP-6B	Analyzed by: anh
2809120133	PC-63	Analyzed by: anh
2809120134	PC-103	Analyzed by: anh
2809120135	MWK-5	Analyzed by: anh

QC Ref #451697 - Perchlorate Analysis Date: 09/19/2008

2809120112	PC-98R	Analyzed by: ser
2809120113	PC-86	Analyzed by: ser
2809120118	PC-60	Analyzed by: ser
2809120121	PC-91	Analyzed by: ser
2809120122	PC-97	Analyzed by: ser
2809120123	PC-17	Analyzed by: ser

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QC Summary
#253834

Tronox LLC - Henderson
(continued)

QC Ref #452261 - Total Dissolved Solid (TDS) **Analysis Date: 09/22/2008**

2809120129	ARP-1	Analyzed by: anh

QC Ref #453700 - Perchlorate **Analysis Date: 09/27/2008**

2809120111	M-87	Analyzed by: ser
2809120114	PC-90	Analyzed by: ser
2809120125	PC-55	Analyzed by: ser
2809120126	L-635	Analyzed by: ser
2809120127	L-637	Analyzed by: ser
2809120128	MWK-4	Analyzed by: ser
2809120129	ARP-1	Analyzed by: ser

QC Ref #453701 - Perchlorate **Analysis Date: 09/27/2008**

2809120116	PC-58	Analyzed by: ser
2809120117	PC-59	Analyzed by: ser
2809120119	PC-62	Analyzed by: ser
2809120120	PC-68	Analyzed by: ser

QC Ref #453702 - Perchlorate **Analysis Date: 09/28/2008**

2809120130	ARP-4A	Analyzed by: ser
2809120131	ARP-5A	Analyzed by: ser
2809120132	ARP-6B	Analyzed by: ser
2809120133	PC-63	Analyzed by: ser
2809120134	PC-103	Analyzed by: ser
2809120135	MWK-5	Analyzed by: ser

QC Ref #453703 - Perchlorate **Analysis Date: 09/28/2008**

2809120115	PC-56	Analyzed by: ser
2809120124	PC-18	Analyzed by: ser

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QC Ref #451441 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 200809120241		MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	540	534	MGL		(0-10)	1.1
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	682	MGL	97.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	97.429	MGL	0.3	(0-20)	

QC Ref #451450 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09110348	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	164	158	MGL		(0-10)	3.7
LCS1	Total Dissolved Solid (TDS)	175	154	MGL	88.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	88.000	99.143	MGL	11.9	(0-20)	

QC Ref #451697 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09120305	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	4.62	UGL	115.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.5	UGL	98.0	(80-120)	
MSD	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
RPD_LCS	Perchlorate	106.400	98.800	UGL	7.4	(0-15)	
RPD_MS	Perchlorate	98.000	97.600	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#253834

Tronox LLC - Henderson
(continued)

QC Ref #452261 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09160520	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	406	398	MGL		(0-10)	2.0
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	692	MGL	98.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	93.714	98.857	MGL	5.3	(0-20)	

QC Ref #453700 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	9120242	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS2	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS3	Perchlorate	4	4.71	UGL	117.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.7	UGL	90.8	(80-120)	
RPD_LCS	Perchlorate	98.400	101.600	UGL	3.2	(0-15)	

QC Ref #453701 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09160592	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS2	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS3	Perchlorate	4	3.98	UGL	99.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.0	UGL	92.0	(80-120)	
MSD	Perchlorate	25.0	24.1	UGL	96.4	(80-120)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#253834

Tronox LLC - Henderson
(continued)

RPD_LCS	Perchlorate	97.200	98.400	UGL	1.2	(0-15)
RPD_MS	Perchlorate	92.000	96.400	UGL	1.0	(0-15)

QC Ref #453702 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09180264	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.6	UGL	94.4	(85-115)	
LCS2	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS3	Perchlorate	4	3.63	UGL	90.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.3	UGL	89.2	(80-120)	
MSD	Perchlorate	25.0	22.6	UGL	90.4	(80-120)	
RPD_LCS	Perchlorate	94.400	97.200	UGL	2.9	(0-15)	
RPD_MS	Perchlorate	89.200	90.400	UGL	1.0	(0-15)	

QC Ref #453703 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09180274	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS2	Perchlorate	25.0	25.1	UGL	100.4	(85-115)	
LCS3	Perchlorate	4	4.26	UGL	106.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
MSD	Perchlorate	25.0	22.4	UGL	89.6	(80-120)	
RPD_LCS	Perchlorate	100.800	100.400	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	93.200	89.600	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

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Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Oct 10 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 253834R
Project: CLO4
PO#: Susan Crowle

Report#253834R replaces the original Report.

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

October 13, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 253834 R

Enclosed is MWH Laboratories Report 253834 Revised

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on Setpember 12, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

One sample was re-analyzed past hold time because initial results were not consistent with historical data.

The report was revised to correct the sample ID for PC-53.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626.386-1100
FAX 626.386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

253834

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB: 2.2

BLUE ICE: FROZEN X PARTIALLY FROZEN X THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
			M-83	RSW	X		X	X				No Sample
0920	9-1-08		M-87	RSW	X		X	X				
0931	9-10-08		PC-98R	RSW	X		X	X				
1207	9908		PC-86	RSW	X		X	X				
1157	9908		PC-90	RSW	X		X	X				
9:46	9.3.08		PC-56	RSW	X		X	X				
9:41	9.3.08		PC-58	RSW	X		X	X				
9:31	9.3.08		PC-59	RSW	X		X	X				
9:33	9.3.08		PC-60	RSW	X		X	X				
9:26	9.3.08		PC-62	RSW	X		X	X				
9:22	9.3.08		PC-68	RSW	X		X	X				
			PC-122	RSW	X		X	X				No Sample

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant		1200pm
RECEIVED BY:		M. OG Reese	Mwh	9-12-8	1000
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

253634

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_2	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
1222	9/08		PC-91	RSW	X		X	X				
1125	9/08		PC-97	RSW	X		X	X				
0846	9/08		PC-17	RSW	X		X	X				
0902	9/08		PC-18	RSW	X		X	X				
1025	9/08		PC-55	RSW	X		X	X				
			PC-101R	RSW	X		X	X				NO SAMPLE
0741	9/08		L-635	RSW	X		X	X				
0819	9/08		L-637	RSW	X		X	X				

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant		1200pm
RECEIVED BY		N. DE [illegible]	MWH	9-12-8	1000
RELINQUISHED BY:					
RECEIVED BY					

C-O-C# 0

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

2-533834

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES — X (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
1239	9/10/08		MWK-4	RSW	X		X	X				
1055	9-9-08		ARP-1	RSW	X		X	X				
			ARP-2	RSW	X		X	X				
			ARP-3	RSW	X		X	X				NO SAMPLE
1245	9-10-08		ARP-4A	RSW	X		X	X				NO SAMPLE
102	9-10-08		ARP-5A	RSW	X		X	X				
114	9-10-08		ARP-6B	RSW	X		X	X				
			ARP-7	RSW	X		X	X				
0805	9-10-08		PC-53	RSW	X		X	X				NO SAMPLE
0856	9/10/08		PC-103	RSW	X		X	X				
0829	9-10-08		MWK-5	RSW	X		X	X				

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant		1200pm
RECEIVED BY:		M. [illegible]	Mcall	9-12-8	1500
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

Client Code: KERRMCGEE-MP
Project Code: CLO4
PO# / Job#: GWREMEDIATION
Blanket PO

M Monthly — Period

SO# 44424 12374 RS

0

Created by MWH
Order Date 08/21/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
P.O.Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
41	CLO4, TDS	1 250 ml poly /no preservative	
	SHEET OF LABELS WITH WELL-IDS	see comments section	

Important Comments

These sites are monthly till further notice.
Shipping - please send bottles in cooler rather than a box

PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R
L-635, L-637
MW-K2, MW-K4
ARP-1, ARP-2, ARP-3, ARP-4
ARP-5, ARP-6, ARP-7, PC-53
PC-103, MW-K5, M-83
M-87 , PC-98R; PC-56, PC-58, PC-59, PC-60, PC-62, PC-68, PC-122

Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on

EXTRA BOTTLES INCLUDED

client code changed 7/25/03

bottle order and IDs updated 9/9/03
testcodes updated 3-16-06
test changed from EC to TDS as

tiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

From: Origin ID: CASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

SHIP TO: 6266686400 BILL SENDER
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ship Date: 11SEP08
ActWgt: 46 LB
System#: 2274147/INET8061
Account#: S *********

Delivery Address Bar Code

Ref # MSO #143343
Invoice #
PO #
Dept #

TRK# 0201 7900 8281 3135

FRI - 12SEP A2
PRIORITY OVERNIGHT

91016
CA-US
BUR

QZ WHPA

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143343

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	09/11/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES
☒ Prepaid ☐ Collect

NMFC	CUSTOMER PO OR REQ'N NO	SHIPPED FROM
		Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly ART and PC Well Samples One Ice Chest @ 46 lbs		1 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 46	TOTAL TARE WEIGHT 0	46

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper PO Box 55000, Oklahoma City, OK 73155	PER Carron Williams	AGENT	PER

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 253834
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **09/12/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2809120111	M-87	CLO4 TDS	Water	11-sep-2008 09:30:00
2809120112	PC-98R	CLO4 TDS	Water	10-sep-2008 09:31:00
2809120113	PC-86	CLO4 TDS	Water	09-sep-2008 12:07:00
2809120114	PC-90	CLO4 TDS	Water	09-sep-2008 11:47:00
2809120115	PC-56	CLO4 TDS	Water	08-sep-2008 07:46:00
2809120116	PC-58	CLO4 TDS	Water	08-sep-2008 07:41:00
2809120117	PC-59	CLO4 TDS	Water	08-sep-2008 07:37:00
2809120118	PC-60	CLO4 TDS	Water	08-sep-2008 07:33:00
2809120119	PC-62	CLO4 TDS	Water	08-sep-2008 07:26:00
2809120120	PC-68	CLO4 TDS	Water	08-sep-2008 07:22:00
2809120121	PC-91	CLO4 TDS	Water	09-sep-2008 12:22:00
2809120122	PC-97	CLO4 TDS	Water	09-sep-2008 11:25:00
2809120123	PC-17	CLO4 TDS	Water	09-sep-2008 08:46:00
2809120124	PC-18	CLO4 TDS	Water	09-sep-2008 09:02:00
2809120125	PC-55	CLO4 TDS	Water	09-sep-2008 10:25:00
2809120126	L-635	CLO4 TDS	Water	09-sep-2008 07:41:00
2809120127	L-637	CLO4 TDS	Water	09-sep-2008 08:19:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 253834
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled		Matrix	Sample Date
2809120128	MWK-4	CLO4	TDS	Water	10-sep-2008 12:32:00
2809120129	ARP-1	CLO4	TDS	Water	09-sep-2008 10:55:00
2809120130	ARP-4A	CLO4	TDS	Water	10-sep-2008 12:45:00
2809120131	ARP-5A	CLO4	TDS	Water	10-sep-2008 13:02:00
2809120132	ARP-6B	CLO4	TDS	Water	10-sep-2008 13:14:00
2809120133	PC-63	CLO4	TDS	Water	10-sep-2008 08:03:00
2809120134	PC-103	CLO4	TDS	Water	10-sep-2008 08:56:00
2809120135	MWK-5	CLO4	TDS	Water	10-sep-2008 08:29:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#253834

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

Group Comments

Report revised to correct sample ID on 2809120133 (PC-53)

(QC Ref#: 2809120129)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

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Laboratory
Hits Report
#253834

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120111	**M-87**				
09/27/08	Perchlorate		308000		ug/l	20000
09/16/08	Total Dissolved Solid (TDS)		4600	500	mg/l	10
	2809120112	**PC-98R**				
09/19/08	Perchlorate		15100		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		7000	500	mg/l	10
	2809120113	**PC-86**				
09/19/08	Perchlorate		1190		ug/l	80
09/16/08	Total Dissolved Solid (TDS)		2600	500	mg/l	10
	2809120114	**PC-90**				
09/27/08	Perchlorate		8110		ug/l	400
09/16/08	Total Dissolved Solid (TDS)		3900	500	mg/l	10
	2809120115	**PC-56**				
09/28/08	Perchlorate		1010		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		2800	500	mg/l	10
	2809120116	**PC-58**				
09/27/08	Perchlorate		6080		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		5900	500	mg/l	10
	2809120117	**PC-59**				

SUMMARY OF POSITIVE DATA ONLY.

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Susan Crowley
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Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120117	**PC-59**				
09/27/08	Perchlorate		6640		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		4300	500	mg/l	10
	2809120118	**PC-60**				
09/19/08	Perchlorate		6370		ug/l	400
09/15/08	Total Dissolved Solid (TDS)		4200	500	mg/l	10
	2809120119	**PC-62**				
09/27/08	Perchlorate		2160		ug/l	200
09/15/08	Total Dissolved Solid (TDS)		3000	500	mg/l	10
	2809120120	**PC-68**				
09/27/08	Perchlorate		58		ug/l	4.0
09/15/08	Total Dissolved Solid (TDS)		2100	500	mg/l	10
	2809120121	**PC-91**				
09/19/08	Perchlorate		12400		ug/l	800
09/16/08	Total Dissolved Solid (TDS)		7700	500	mg/l	10
	2809120122	**PC-97**				
09/19/08	Perchlorate		298		ug/l	20
09/16/08	Total Dissolved Solid (TDS)		2600	500	mg/l	10
	2809120123	**PC-17**				

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Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120123	**PC-17**				
09/19/08	Perchlorate		164000		ug/l	20000
09/16/08	Total Dissolved Solid (TDS)		9700	500	mg/l	10
	2809120124	**PC-18**				
09/28/08	Perchlorate		97600		ug/l	20000
09/16/08	Total Dissolved Solid (TDS)		9900	500	mg/l	10
	2809120125	**PC-55**				
09/27/08	Perchlorate		829		ug/l	80
09/16/08	Total Dissolved Solid (TDS)		7900	500	mg/l	10
	2809120126	**L-635**				
09/16/08	Total Dissolved Solid (TDS)		7500	500	mg/l	10
	2809120127	**L-637**				
09/27/08	Perchlorate		31		ug/l	20
09/16/08	Total Dissolved Solid (TDS)		6700	500	mg/l	10
	2809120128	**MWK-4**				
09/27/08	Perchlorate		104000		ug/l	8000
09/16/08	Total Dissolved Solid (TDS)		6500	500	mg/l	10
	2809120129	**ARP-1**				
09/27/08	Perchlorate		2410		ug/l	200

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Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120129	**ARP-1**				
09/22/08	Total Dissolved Solid (TDS)		7200	500	mg/l	10
	2809120130	**ARP-4A**				
09/28/08	Perchlorate		31200		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	2809120131	**ARP-5A**				
09/28/08	Perchlorate		24800		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		6600	500	mg/l	10
	2809120132	**ARP-6B**				
09/28/08	Perchlorate		16700		ug/l	2000
09/16/08	Total Dissolved Solid (TDS)		10000	500	mg/l	10
	2809120133	**PC-53**				
09/28/08	Perchlorate		3560		ug/l	200
09/16/08	Total Dissolved Solid (TDS)		4800	500	mg/l	10
	2809120134	**PC-103**				
09/28/08	Perchlorate		9700		ug/l	800
09/16/08	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	2809120135	**MWK-5**				
09/28/08	Perchlorate		15200		ug/l	800

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Samples Received
12-sep-2008 15:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2809120135	MWK-5				
09/16/08	Total Dissolved Solid (TDS)		7200	500	mg/l	10

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Samples Received
09/12/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2809120111) Sampled on 09/11/08 09:30								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	308000	ug/l	20000	5000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4600	mg/l	10	1
PC-98R (2809120112) Sampled on 09/10/08 09:31								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	15100	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7000	mg/l	10	1
PC-86 (2809120113) Sampled on 09/09/08 12:07								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	1190	ug/l	80	20
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2600	mg/l	10	1
PC-90 (2809120114) Sampled on 09/09/08 11:47								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	8110	ug/l	400	100
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3900	mg/l	10	1
PC-56 (2809120115) Sampled on 09/08/08 07:46								
	09/28/08 16:23	453703	(EPA 314)	Perchlorate	1010	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2800	mg/l	10	1
PC-58 (2809120116) Sampled on 09/08/08 07:41								
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	6080	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5900	mg/l	10	1
PC-59 (2809120117) Sampled on 09/08/08 07:37								
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	6640	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4300	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-60 (2809120118) Sampled on 09/08/08 07:33								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	6370	ug/l	400	100
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4200	mg/l	10	1
PC-62 (2809120119) Sampled on 09/08/08 07:26								
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	2160	ug/l	200	50
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3000	mg/l	10	1
PC-68 (2809120120) Sampled on 09/08/08 07:22								
	09/27/08 17:15	453701	(EPA 314)	Perchlorate	58	ug/l	4.0	1
09/15/08	09/15/08 17:20	451441	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2100	mg/l	10	1
PC-91 (2809120121) Sampled on 09/09/08 12:22								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	12400	ug/l	800	200
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7700	mg/l	10	1
PC-97 (2809120122) Sampled on 09/09/08 11:25								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	298	ug/l	20	5
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2600	mg/l	10	1
PC-17 (2809120123) Sampled on 09/09/08 08:46								
	09/19/08 00:00	451697	(EPA 314)	Perchlorate	164000	ug/l	20000	5000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9700	mg/l	10	1
PC-18 (2809120124) Sampled on 09/09/08 09:02								
	09/28/08 16:23	453703	(EPA 314)	Perchlorate	97600	ug/l	20000	5000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9900	mg/l	10	1
PC-55 (2809120125) Sampled on 09/09/08 10:25								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	829	ug/l	80	20
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7900	mg/l	10	1

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Data Report
#253834

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
L-635 (2809120126) Sampled on 09/09/08 07:41								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	ND	ug/l	10	5
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7500	mg/l	10	1
L-637 (2809120127) Sampled on 09/09/08 08:19								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	31	ug/l	20	5
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6700	mg/l	10	1
MWK-4 (2809120128) Sampled on 09/10/08 12:32								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	104000	ug/l	8000	2000
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6500	mg/l	10	1
ARP-1 (2809120129) Sampled on 09/09/08 10:55								
	09/27/08 20:33	453700	(EPA 314)	Perchlorate	2410	ug/l	200	50
09/22/08	09/22/08 18:15	452261	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7200(H1)	mg/l	10	1
ARP-4A (2809120130) Sampled on 09/10/08 12:45								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	31200	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4700	mg/l	10	1
ARP-5A (2809120131) Sampled on 09/10/08 13:02								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	24800	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6600	mg/l	10	1
ARP-6B (2809120132) Sampled on 09/10/08 13:14								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	16700	ug/l	2000	500
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10000	mg/l	10	1
PC-53 (2809120133) Sampled on 09/10/08 08:03								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	3560	ug/l	200	50
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4800	mg/l	10	1

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Data Report
#253834

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-103 (2809120134) Sampled on 09/10/08 08:56								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	9700	ug/l	800	200
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4700	mg/l	10	1
MWK-5 (2809120135) Sampled on 09/10/08 08:29								
	09/28/08 04:49	453702	(EPA 314)	Perchlorate	15200	ug/l	800	200
09/16/08	09/16/08 12:37	451450	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7200	mg/l	10	1

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QC Summary
#253834

Tronox LLC - Henderson

QC Ref #451441 - Total Dissolved Solid (TDS) Analysis Date: 09/15/2008

2809120115	PC-56	Analyzed by: anh
2809120116	PC-58	Analyzed by: anh
2809120117	PC-59	Analyzed by: anh
2809120118	PC-60	Analyzed by: anh
2809120119	PC-62	Analyzed by: anh
2809120120	PC-68	Analyzed by: anh

QC Ref #451450 - Total Dissolved Solid (TDS) Analysis Date: 09/16/2008

2809120111	M-87	Analyzed by: anh
2809120112	PC-98R	Analyzed by: anh
2809120113	PC-86	Analyzed by: anh
2809120114	PC-90	Analyzed by: anh
2809120121	PC-91	Analyzed by: anh
2809120122	PC-97	Analyzed by: anh
2809120123	PC-17	Analyzed by: anh
2809120124	PC-18	Analyzed by: anh
2809120125	PC-55	Analyzed by: anh
2809120126	L-635	Analyzed by: anh
2809120127	L-637	Analyzed by: anh
2809120128	MWK-4	Analyzed by: anh
2809120130	ARP-4A	Analyzed by: anh
2809120131	ARP-5A	Analyzed by: anh
2809120132	ARP-6B	Analyzed by: anh
2809120133	PC-53	Analyzed by: anh
2809120134	PC-103	Analyzed by: anh
2809120135	MWK-5	Analyzed by: anh

QC Ref #451697 - Perchlorate Analysis Date: 09/19/2008

2809120112	PC-98R	Analyzed by: ser
2809120113	PC-86	Analyzed by: ser
2809120118	PC-60	Analyzed by: ser
2809120121	PC-91	Analyzed by: ser
2809120122	PC-97	Analyzed by: ser
2809120123	PC-17	Analyzed by: ser

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QC Summary
#253834

Tronox LLC - Henderson
(continued)

QC Ref #452261 - Total Dissolved Solid (TDS) **Analysis Date: 09/22/2008**

2809120129	ARP-1	Analyzed by: anh

QC Ref #453700 - Perchlorate **Analysis Date: 09/27/2008**

2809120111	M-87	Analyzed by: ser
2809120114	PC-90	Analyzed by: ser
2809120125	PC-55	Analyzed by: ser
2809120126	L-635	Analyzed by: ser
2809120127	L-637	Analyzed by: ser
2809120128	MWK-4	Analyzed by: ser
2809120129	ARP-1	Analyzed by: ser

QC Ref #453701 - Perchlorate **Analysis Date: 09/27/2008**

2809120116	PC-58	Analyzed by: ser
2809120117	PC-59	Analyzed by: ser
2809120119	PC-62	Analyzed by: ser
2809120120	PC-68	Analyzed by: ser

QC Ref #453702 - Perchlorate **Analysis Date: 09/28/2008**

2809120130	ARP-4A	Analyzed by: ser
2809120131	ARP-5A	Analyzed by: ser
2809120132	ARP-6B	Analyzed by: ser
2809120133	PC-53	Analyzed by: ser
2809120134	PC-103	Analyzed by: ser
2809120135	MWK-5	Analyzed by: ser

QC Ref #453703 - Perchlorate **Analysis Date: 09/28/2008**

2809120115	PC-56	Analyzed by: ser
2809120124	PC-18	Analyzed by: ser

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#253834

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QC Ref #451441 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 200809120241		MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	540	534	MGL		(0-10)	1.1
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	682	MGL	97.4	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	97.429	MGL	0.3	(0-20)	

QC Ref #451450 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09110348	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	164	158	MGL		(0-10)	3.7
LCS1	Total Dissolved Solid (TDS)	175	154	MGL	88.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	88.000	99.143	MGL	11.9	(0-20)	

QC Ref #451697 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09120305	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	4.62	UGL	115.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.5	UGL	98.0	(80-120)	
MSD	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
RPD_LCS	Perchlorate	106.400	98.800	UGL	7.4	(0-15)	
RPD_MS	Perchlorate	98.000	97.600	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#253834

Tronox LLC - Henderson
(continued)

QC Ref #452261 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	09160520	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	406	398	MGL		(0-10)	2.0
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	692	MGL	98.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	93.714	98.857	MGL	5.3	(0-20)	

QC Ref #453700 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	9120242	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS2	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS3	Perchlorate	4	4.71	UGL	117.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.7	UGL	90.8	(80-120)	
RPD_LCS	Perchlorate	98.400	101.600	UGL	3.2	(0-15)	

QC Ref #453701 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09160592	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS2	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS3	Perchlorate	4	3.98	UGL	99.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.0	UGL	92.0	(80-120)	
MSD	Perchlorate	25.0	24.1	UGL	96.4	(80-120)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

RPD_LCS	Perchlorate	97.200	98.400	UGL	1.2	(0-15)
RPD_MS	Perchlorate	92.000	96.400	UGL	1.0	(0-15)

QC Ref #453702 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09180264	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.6	UGL	94.4	(85-115)	
LCS2	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS3	Perchlorate	4	3.63	UGL	90.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.3	UGL	89.2	(80-120)	
MSD	Perchlorate	25.0	22.6	UGL	90.4	(80-120)	
RPD_LCS	Perchlorate	94.400	97.200	UGL	2.9	(0-15)	
RPD_MS	Perchlorate	89.200	90.400	UGL	1.0	(0-15)	

QC Ref #453703 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	09180274	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS2	Perchlorate	25.0	25.1	UGL	100.4	(85-115)	
LCS3	Perchlorate	4	4.26	UGL	106.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
MSD	Perchlorate	25.0	22.4	UGL	89.6	(80-120)	
RPD_LCS	Perchlorate	100.800	100.400	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	93.200	89.600	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Nov 04 2008
MWH LABORATORIES

Andy Eaton

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 256589
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 13 page[s].

MWH

BUILDING A BETTER WORLD

November 5, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 256589

Enclosed is MWH Laboratories Report 256589

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on October 14, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

ART-4 was re-analyzed for TDS past holding time due to issues with the blank on the initial analysis.

Additionally the blank spike on one batch was recovered high, but all values were above the second blank spike level. All values associated with that spike are flagged in the report.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL (626) 568-6100
FAX (626) 568-6101
www.mwhlabs.com

256589

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JB

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Weekly - SO #12373

Sampler: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4	TDS	CR	SAMPLER COMMENTS
5:30	10/13/08		ART-1	RSW	X		X	X		
5:30	10/13/08		ART-2	RSW	X		X	X		
5:30	10/13/08		ART-3	RSW	X		X	X		
5:30	10/13/08		ART-4	RSW	X		X	X		
5:30	10/13/08		ART-5	RSW	X		X	X		no Sample
5:30	10/13/08		ART-6	RSW	X		X	X		
5:30	10/13/08		ART-7	RSW	X		X	X		
5:30	10/13/08		ART-8	RSW	X		X	X		
0600	10/13/08		PC-99R2/R3	RSW	X		X	X		
0600	10/13/08		PC-115R	RSW	X		X	X		
0600	10/13/08		PC-116R	RSW	X		X	X		
0600	10/13/08		Seep Surface Flow	RSW	X		X	X		NO SAMPLE

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant	10/13/2008	1200pm
RECEIVED BY:		JOE SPENCER	MWH	10-14-08	10:30
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C#

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12373

Sampler Signature: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant LLC
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES — X (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total ClO_4	TDS	CR	SAMPLER COMMENTS
6:00	10/813/08		SF-1	RSW	X		X	X		
6:00	10/813/08		PC-117	RSW	X		X	X		
6:00	10/813/08		PC-118	RSW	X		X	X		
6:00	10/813/08		PC-119	RSW	X		X	X		
6:00	10/813/08		PC-120	RSW	X		X	X		
6:00	10/813/08		PC-121	RSW	X		X	X		
6:00	10/813/08		PC-133	RSW	X		X	X		
5:30	10/813/08		ART-9	RSW	X		X	X		

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant	10/13/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly

Period

Andrew Eaton Your MWL Project Manager
(626) 386-1125 Direct Phone/Voice Mail

SO# 44896 12373 RS

0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 09/15/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
30	CLO4, TDS,	1 250 ml poly /no preservative	
	SHEET OF LABELS WITH WELL-IDS	see comments section	

Important Comments

Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
Monthly effective 11-30-07

PC-117, PC-118, PC-119, PC-120, and PC-121
PC-116R
PC-99R2
PC-99R3
PC-115R
ART-1
ART-2
ART-3
ART-4
ART-5
ART-6
ART-7
ART-8
Seep Surface Flow
SF-1"
Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
EXTRA BOTTLES INCLUDED
client code changed 7/25/03
Testcode updated 3-16-06
standing order changed 6-14-06
login note added 7-6-06 TDS

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143381

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	10/13/08	Henderson, NV 89015

Authorization
S. CROWLEY

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS 1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
☒ Prepaid ☐ Collect	N/AR	Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chests with water samples Monthly ART and PC Well Samples One Ice Chest @ 32 lbs One Ice Chest @ 81 lbs		2 Coolers

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:
The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 113	TOTAL TARE WEIGHT 0	113

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS8861681/21/24

Ship Date: 13OCT08
ActWgt: 32 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

Ref # MSO #143381
Invoice #
PO #
Dept #

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

TUE - 14OCT **A2**

TRK# 0201 7911 6232 7444

PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 256589
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **10/14/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2810140535	ART-1	CLO4 TDS	Water	13-oct-2008 05:30:00
2810140536	ART-2	CLO4 TDS	Water	13-oct-2008 05:30:00
2810140537	ART-3	CLO4 TDS	Water	13-oct-2008 05:30:00
2810140538	ART-4	CLO4 TDS	Water	13-oct-2008 05:30:00
2810140539	ART-6	CLO4 TDS	Water	13-oct-2008 05:30:00
2810140540	ART-7	CLO4 TDS	Water	13-oct-2008 05:30:00
2810140541	ART-8	CLO4 TDS	Water	13-oct-2008 05:30:00
2810140542	PC-99R2/R3	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140543	PC-115R	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140544	PC-116R	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140546	SF-1	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140547	PC-117	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140548	PC-118	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140549	PC-119	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140550	PC-120	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140551	PC-121	CLO4 TDS	Water	13-oct-2008 06:00:00
2810140552	PC-133	CLO4 TDS	Water	13-oct-2008 06:00:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 256589
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2810140553	ART-9	Water	13-oct-2008 05:30:00
	CLO4 TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#256589

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2810140535)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140536)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140537)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140538)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
Sample was origianlly analyzed on 10/14 within the holding time. Due to the analyst error, The first and second weight difference was greater than 0.5mg. The TDS value would be between 6328 to 6568mg/L. Rerun on 10/25 had result of 6920 mg/L.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2810140539)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140540)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140541)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140542)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140543)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140544)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140546)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140547)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140548)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140549)

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Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140550)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140551)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140552)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

(QC Ref#: 2810140553)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
L3 - The associated blank spike recovery was above method acceptance limits.

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Laboratory
Hits Report
#256589

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
14-oct-2008 19:19:35

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810140535	**ART-1**				
10/24/08	Perchlorate		129		ug/l	20
10/16/08	Total Dissolved Solid (TDS)		7500	500	mg/l	10
	2810140536	**ART-2**				
10/24/08	Perchlorate		61800		ug/l	4000
10/16/08	Total Dissolved Solid (TDS)		9680	500	mg/l	10
	2810140537	**ART-3**				
10/24/08	Perchlorate		295000		ug/l	20000
10/16/08	Total Dissolved Solid (TDS)		8500	500	mg/l	10
	2810140538	**ART-4**				
10/24/08	Perchlorate		301000		ug/l	20000
10/25/08	Total Dissolved Solid (TDS)		6920	500	mg/l	10
	2810140539	**ART-6**				
10/25/08	Perchlorate		321000		ug/l	20000
10/16/08	Total Dissolved Solid (TDS)		8000	500	mg/l	10
	2810140540	**ART-7**				
10/25/08	Perchlorate		139000		ug/l	8000
10/16/08	Total Dissolved Solid (TDS)		10400	500	mg/l	10
	2810140541	**ART-8**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#256589

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
14-oct-2008 19:19:35

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810140541	**ART-8**				
10/28/08	Perchlorate		205000		ug/l	20000
10/16/08	Total Dissolved Solid (TDS)		9760	500	mg/l	10
	2810140542	**PC-99R2/R3**				
10/25/08	Perchlorate		9080		ug/l	800
10/16/08	Total Dissolved Solid (TDS)		4810	500	mg/l	10
	2810140543	**PC-115R**				
10/25/08	Perchlorate		10300		ug/l	800
10/16/08	Total Dissolved Solid (TDS)		4560	500	mg/l	10
	2810140544	**PC-116R**				
10/25/08	Perchlorate		6530		ug/l	400
10/16/08	Total Dissolved Solid (TDS)		4300	500	mg/l	10
	2810140546	**SF-1**				
10/16/08	Total Dissolved Solid (TDS)		6680	500	mg/l	10
	2810140547	**PC-117**				
10/25/08	Perchlorate		2230		ug/l	200
10/16/08	Total Dissolved Solid (TDS)		3140	500	mg/l	10
	2810140548	**PC-118**				
10/25/08	Perchlorate		7750		ug/l	400

SUMMARY OF POSITIVE DATA ONLY.

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#256589

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Susan Crowley
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Henderson , NV 89009

Samples Received
14-oct-2008 19:19:35

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810140548	**PC-118**				
10/16/08	Total Dissolved Solid (TDS)		4170	500	mg/l	10
	2810140549	**PC-119**				
10/25/08	Perchlorate		2780		ug/l	200
10/16/08	Total Dissolved Solid (TDS)		3060	500	mg/l	10
	2810140550	**PC-120**				
10/25/08	Perchlorate		2770		ug/l	200
10/16/08	Total Dissolved Solid (TDS)		3070	500	mg/l	10
	2810140551	**PC-121**				
10/25/08	Perchlorate		1310		ug/l	80
10/16/08	Total Dissolved Solid (TDS)		2700	500	mg/l	10
	2810140552	**PC-133**				
10/25/08	Perchlorate		1130		ug/l	200
10/16/08	Total Dissolved Solid (TDS)		2620	500	mg/l	10
	2810140553	**ART-9**				
10/25/08	Perchlorate		316000		ug/l	20000
10/16/08	Total Dissolved Solid (TDS)		8090	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#256589

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
10/14/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2810140535)			**Sampled on 10/13/08 05:30**					
	10/24/08 18:23	457365	(EPA 314)	Perchlorate	129	ug/l	20	5
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7500(L3)	mg/l	10	1
ART-2 (2810140536)			**Sampled on 10/13/08 05:30**					
	10/24/08 18:23	457365	(EPA 314)	Perchlorate	61800	ug/l	4000	1000
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9680(L3)	mg/l	10	1
ART-3 (2810140537)			**Sampled on 10/13/08 05:30**					
	10/24/08 18:23	457365	(EPA 314)	Perchlorate	295000	ug/l	20000	5000
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8500(L3)	mg/l	10	1
ART-4 (2810140538)			**Sampled on 10/13/08 05:30**					
	10/24/08 18:23	457365	(EPA 314)	Perchlorate	301000	ug/l	20000	5000
10/16/08	10/25/08 17:35	457474	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6920(HA)	mg/l	10	1
ART-6 (2810140539)			**Sampled on 10/13/08 05:30**					
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	321000	ug/l	20000	5000
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8000(L3)	mg/l	10	1
ART-7 (2810140540)			**Sampled on 10/13/08 05:30**					
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	139000	ug/l	8000	2000
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10400(L3)	mg/l	10	1
ART-8 (2810140541)			**Sampled on 10/13/08 05:30**					
	10/28/08 19:39	458006	(EPA 314)	Perchlorate	205000	ug/l	20000	5000
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9760(L3)	mg/l	10	1

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Laboratory
Data Report
#256589

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-99R2/R3 (2810140542) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	9080	ug/l	800	200
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4810(L3)	mg/l	10	1
PC-115R (2810140543) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	10300	ug/l	800	200
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4560(L3)	mg/l	10	1
PC-116R (2810140544) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	6530	ug/l	400	100
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4300(L3)	mg/l	10	1
SF-1 (2810140546) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	ND	ug/l	20	5
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6680(L3)	mg/l	10	1
PC-117 (2810140547) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	2230	ug/l	200	50
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3140(L3)	mg/l	10	1
PC-118 (2810140548) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	7750	ug/l	400	100
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4170(L3)	mg/l	10	1
PC-119 (2810140549) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	2780	ug/l	200	50
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3060(L3)	mg/l	10	1
PC-120 (2810140550) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	2770	ug/l	200	50
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3070(L3)	mg/l	10	1

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Laboratory
Data Report
#256589

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-121 (2810140551) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	1310	ug/l	80	20
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2700(L3)	mg/l	10	1
PC-133 (2810140552) Sampled on 10/13/08 06:00								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	1130	ug/l	200	50
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2620(L3)	mg/l	10	1
ART-9 (2810140553) Sampled on 10/13/08 05:30								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	316000	ug/l	20000	5000
10/16/08	10/16/08 09:35	457447	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8090(L3)	mg/l	10	1

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Laboratory
QC Summary
#256589

Tronox LLC - Henderson

QC Ref #457365 - Perchlorate **Analysis Date: 10/24/2008**

2810140535	ART-1	Analyzed by: ser
2810140536	ART-2	Analyzed by: ser
2810140537	ART-3	Analyzed by: ser
2810140538	ART-4	Analyzed by: ser
2810140539	ART-6	Analyzed by: ser
2810140540	ART-7	Analyzed by: ser
2810140542	PC-99R2/R3	Analyzed by: ser
2810140543	PC-115R	Analyzed by: ser
2810140544	PC-116R	Analyzed by: ser
2810140546	SF-1	Analyzed by: ser
2810140547	PC-117	Analyzed by: ser
2810140548	PC-118	Analyzed by: ser
2810140549	PC-119	Analyzed by: ser
2810140550	PC-120	Analyzed by: ser
2810140551	PC-121	Analyzed by: ser
2810140552	PC-133	Analyzed by: ser
2810140553	ART-9	Analyzed by: ser

QC Ref #457447 - Total Dissolved Solid (TDS) **Analysis Date: 10/16/2008**

2810140535	ART-1	Analyzed by: yaa
2810140536	ART-2	Analyzed by: yaa
2810140537	ART-3	Analyzed by: yaa
2810140539	ART-6	Analyzed by: yaa
2810140540	ART-7	Analyzed by: yaa
2810140541	ART-8	Analyzed by: yaa
2810140542	PC-99R2/R3	Analyzed by: yaa
2810140543	PC-115R	Analyzed by: yaa
2810140544	PC-116R	Analyzed by: yaa
2810140546	SF-1	Analyzed by: yaa
2810140547	PC-117	Analyzed by: yaa
2810140548	PC-118	Analyzed by: yaa
2810140549	PC-119	Analyzed by: yaa
2810140550	PC-120	Analyzed by: yaa
2810140551	PC-121	Analyzed by: yaa
2810140552	PC-133	Analyzed by: yaa
2810140553	ART-9	Analyzed by: yaa

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Laboratory
QC Summary
#256589

Tronox LLC - Henderson
(continued)

QC Ref #457474 - Total Dissolved Solid (TDS) **Analysis Date: 10/25/2008**

2810140538 ART-4 Analyzed by: lmr

QC Ref #458006 - Perchlorate **Analysis Date: 10/28/2008**

2810140541 ART-8 Analyzed by: ser

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Laboratory
QC Report
#256589

Tronox LLC - Henderson

QC Ref #457365 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	10140535	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS2	Perchlorate	25.0	23.9	UGL	95.6	(85-115)	
LCS3	Perchlorate	4	3.19	UGL	79.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	20.2	UGL	80.8	(80-120)	
MSD	Perchlorate	25.0	23.4	UGL	93.6	(80-120)	
RPD_LCS	Perchlorate	96.000	95.600	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	80.800	93.600	UGL	1.2	(0-15)	

QC Ref #457447 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	10140097	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	22	24	MGL		(0-10)	8.7
LCS1	Total Dissolved Solid (TDS)	175	220	MGL	125.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	722	MGL	103.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
RPD_LCS	Total Dissolved Solid (TDS)	125.714	103.143	MGL	19.7	(0-20)	

QC Ref #457474 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	10140535	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7480	7580	MGL		(0-10)	1.3
LCS1	Total Dissolved Solid (TDS)	175	174	MGL	99.4	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	6.0	MGL	0.0		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	99.429	99.143	MGL	0.3	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#256589

Tronox LLC - Henderson
(continued)

QC Ref #458006 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	10280152	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS2	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
LCS3	Perchlorate	4	4.29	UGL	107.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
MSD	Perchlorate	25.0	25.3	UGL	101.2	(80-120)	
RPD_LCS	Perchlorate	106.000	95.200	UGL	10.7	(0-15)	
RPD_MS	Perchlorate	95.600	101.200	UGL	1.1	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Nov 05 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 257010
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 17 page[s].

MWH

BUILDING A BETTER WORLD

November 6, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 257010

Enclosed is MWH Laboratories Report 257010

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on October 17, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

A number of samples were analyzed one day past hold time for TDS due to a problem with the initial analytical run.

Note that PC-56 and PC-58 appear to have potentially been switched in the field. TDS is not consistent with historical, but lab numbers and results were confirmed.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

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MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

257016

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(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: SM / JS

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3: ClO_4	TDS	CR	CLO3	NO3									SAMPLER COMMENTS
	~~[illegible]~~		M-83	RSW	X		X	X												No Sample
1230	10-15		M-87	RSW	X		X	X												
0936	10-15		PC-98R	RSW	X		X	X												
0849	10-14		PC-86	RSW	X		X	X												
0828	10-14		PC-90	RSW	X		X	X												
0746	10-14		PC-56	RSW	X		X	X												
0741	10-14		PC-58	RSW	X		X	X												
0737	10-14		PC-59	RSW	X		X	X												
0733	10-14		PC-60	RSW	X		X	X												
0726	10-14		PC-62	RSW	X		X	X												
0722	10-14		PC-68	RSW	X		X	X												
			PC-122	RSW	X		X	X												No Sample

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant	10-16-08	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		Salvador Mata	MWH	10/17/08	16:20

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: SM / 10

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Russell Speckin

Susan Crowley (702) 651-2300

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3									SAMPLER COMMENTS
1005	10-15		MW-K4	RSW	X		X	X												
1153	10-14		ARP-1	RSW	X		X	X												
			ARP-2	RSW	X		X	X												NO SAMPLE
			ARP-3	RSW	X		X	X												NO SAMPLE
1017	1045		ARP-4A	RSW	X		X	X												
1025	10-15		ARP-5A	RSW	X		X	X												
1038	10-15		ARP-6B	RSW	X		X	X												
			ARP-7	RSW	X		X	X												NO SAMPLE
0808	10-15		PC-53	RSW	X		X	X												
0901	1045		PC-103	RSW	X		X	X												
0827	10-15		MW-K5	RSW	X		X	X												

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant	10-16-08	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		Salvador Mata	MWH	10/17/08	16:30

C-O-C# 0

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: SH / DS

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler Russell Speckin

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
0902	10-14		PC-91	RSW	X		X	X				
0809	10-14		PC-97	RSW	X		X	X				
0933	10-14		PC-17	RSW	X		X	X				
0951	10-14		PC-18	RSW	X		X	X				
1120	10-14		PC-55	RSW	X		X	X				
			PC-101R	RSW	X		X	X				NO SAMPLE
1245	10-14		L-635	RSW	X		X	X				
1320	10-14		L-637	RSW	X		X	X				

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:		Russell Speckin	Veolia Water for Tronox LLC - Henderson Plant	10-16-07	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		Salvador Mata	MWH	10/17/07	16:30

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly Period

Andrew Eaton Your MWL Project Manager
(626) 386-1125 Direct Phone/Voice Mail

SO# 44897 12374 **RS**

0

Sampler: Please Return this Paper with your samples

Created by **MWH**
Order Date **09/15/08**

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702 651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any			UN#
41	CLO4, TDS	1 250 ml poly /no preservative	-	—	
	SHEET OF LABELS WITH WELL-IDS	see comments section	-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	
			-	—	

Important Comments

These sites are monthly till further notice.
Shipping - please send bottles in cooler rather than a box

PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R
L-635, L-637
MW-K2, MW-K4
ARP-1, ARP-2, ARP-3, ARP-4
ARP-5, ARP-6, ARP-7, PC-53
PC-103, MW-K5, M-83
M-87 , PC-98R; PC-56, PC-58; PC-59, PC-60, PC-62, PC-68, PC-122

Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on

EXTRA BOTTLES INCLUDED

client code changed 7/25/03

bottle order and IDs updated 9/9/03
testcodes updated 3-16-06
test changed from EC to TDS as

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 257010
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **10/17/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2810180021	M-87	CLO4 TDS	Water	15-oct-2008 12:30:00
2810180022	PC-98R	CLO4 TDS	Water	15-oct-2008 09:36:00
2810180023	PC-86	CLO4 TDS	Water	14-oct-2008 08:47:00
2810180024	PC-90	CLO4 TDS	Water	14-oct-2008 08:28:00
2810180025	PC-56	CLO4 TDS	Water	14-oct-2008 07:46:00
2810180026	PC-58	CLO4 TDS	Water	14-oct-2008 07:41:00
2810180027	PC-59	CLO4 TDS	Water	14-oct-2008 07:37:00
2810180028	PC-60	CLO4 TDS	Water	14-oct-2008 07:33:00
2810180029	PC-62	CLO4 TDS	Water	14-oct-2008 07:26:00
2810180030	PC-68	CLO4 TDS	Water	14-oct-2008 07:22:00
2810180031	MW-K4	CLO4 TDS	Water	15-oct-2008 10:05:00
2810180032	ARP-1	CLO4 TDS	Water	14-oct-2008 11:33:00
2810180033	ARP-4A	CLO4 TDS	Water	15-oct-2008 10:17:00
2810180034	ARP-5A	CLO4 TDS	Water	15-oct-2008 10:25:00
2810180035	ARP-6B	CLO4 TDS	Water	15-oct-2008 10:38:00
2810180036	PC-53	CLO4 TDS	Water	15-oct-2008 08:08:00
2810180037	PC-103	CLO4 TDS	Water	15-oct-2008 09:01:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 257010
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2810180038	MW-K5	CLO4 TDS	Water	15-oct-2008 08:27:00
2810180039	PC-91	CLO4 TDS	Water	14-oct-2008 09:02:00
2810180040	PC-97	CLO4 TDS	Water	14-oct-2008 08:09:00
2810180041	PC-17	CLO4 TDS	Water	14-oct-2008 09:33:00
2810180042	PC-18	CLO4 TDS	Water	14-oct-2008 09:51:00
2810180043	PC-55	CLO4 TDS	Water	14-oct-2008 11:20:00
2810180044	L-635	CLO4 TDS	Water	14-oct-2008 12:45:00
2810180045	L-637	CLO4 TDS	Water	14-oct-2008 13:20:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#257010

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2810180023)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180024)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180025)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180026)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180027)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
TDS was origianly analyzed on 10/22 with result of 1524mg/L which was about 50% of expected value due the analyst mistak e of using only half of sample volume. Rerun was done on 10/ 25 with result of 4228mg/L which in line with EC.
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180028)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

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H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180029)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180030)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180039)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180040)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180041)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180042)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180043)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180044)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

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H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2810180045)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

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Laboratory
Hits Report
#257010

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
17-oct-2008 16:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810180021	**M-87**				
10/25/08	Perchlorate		287000		ug/l	20000
10/22/08	Total Dissolved Solid (TDS)		4460	500	mg/l	10
	2810180022	**PC-98R**				
10/25/08	Perchlorate		14700		ug/l	800
10/22/08	Total Dissolved Solid (TDS)		6660	500	mg/l	10
	2810180023	**PC-86**				
10/25/08	Perchlorate		1120		ug/l	80
10/22/08	Total Dissolved Solid (TDS)		2560	500	mg/l	10
	2810180024	**PC-90**				
10/25/08	Perchlorate		9830		ug/l	800
10/22/08	Total Dissolved Solid (TDS)		4490	500	mg/l	10
	2810180025	**PC-56**				
10/25/08	Perchlorate		6520		ug/l	400
10/22/08	Total Dissolved Solid (TDS)		7050	500	mg/l	10
	2810180026	**PC-58**				
10/25/08	Perchlorate		4420		ug/l	400
10/22/08	Total Dissolved Solid (TDS)		3180	500	mg/l	10
	2810180027	**PC-59**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#257010

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
17-oct-2008 16:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810180027	**PC-59**				
10/25/08	Perchlorate		6850		ug/l	400
10/25/08	Total Dissolved Solid (TDS)		4230	500	mg/l	10
	2810180028	**PC-60**				
10/25/08	Perchlorate		6520		ug/l	400
10/22/08	Total Dissolved Solid (TDS)		4280	500	mg/l	10
	2810180029	**PC-62**				
10/25/08	Perchlorate		2070		ug/l	200
10/22/08	Total Dissolved Solid (TDS)		3090	500	mg/l	10
	2810180030	**PC-68**				
10/28/08	Perchlorate		636		ug/l	40
10/22/08	Total Dissolved Solid (TDS)		2050	500	mg/l	10
	2810180031	**MW-K4**				
10/25/08	Perchlorate		98800		ug/l	8000
10/22/08	Total Dissolved Solid (TDS)		6230	500	mg/l	10
	2810180032	**ARP-1**				
10/29/08	Perchlorate		2740		ug/l	200
10/22/08	Total Dissolved Solid (TDS)		6300	500	mg/l	10
	2810180033	**ARP-4A**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#257010

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
17-oct-2008 16:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810180033	**ARP-4A**				
10/25/08	Perchlorate		34000		ug/l	2000
10/22/08	Total Dissolved Solid (TDS)		4620	500	mg/l	10
	2810180034	**ARP-5A**				
10/25/08	Perchlorate		24700		ug/l	2000
10/22/08	Total Dissolved Solid (TDS)		6200	500	mg/l	10
	2810180035	**ARP-6B**				
10/28/08	Perchlorate		9060		ug/l	400
10/22/08	Total Dissolved Solid (TDS)		9260	500	mg/l	10
	2810180036	**PC-53**				
10/25/08	Perchlorate		4880		ug/l	200
10/22/08	Total Dissolved Solid (TDS)		5200	500	mg/l	10
	2810180037	**PC-103**				
10/25/08	Perchlorate		12600		ug/l	800
10/22/08	Total Dissolved Solid (TDS)		5090	500	mg/l	10
	2810180038	**MW-K5**				
10/25/08	Perchlorate		14200		ug/l	800
10/22/08	Total Dissolved Solid (TDS)		6630	500	mg/l	10
	2810180039	**PC-91**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#257010

Tronox LLC - Henderson
Susan Crowley
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Henderson , NV 89009

Samples Received
17-oct-2008 16:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810180039	**PC-91**				
10/25/08	Perchlorate		12600		ug/l	800
10/22/08	Total Dissolved Solid (TDS)		7080	500	mg/l	10
	2810180040	**PC-97**				
10/25/08	Perchlorate		62		ug/l	20
10/22/08	Total Dissolved Solid (TDS)		2460	500	mg/l	10
	2810180041	**PC-17**				
10/25/08	Perchlorate		167000		ug/l	20000
10/22/08	Total Dissolved Solid (TDS)		8180	500	mg/l	10
	2810180042	**PC-18**				
10/25/08	Perchlorate		191000		ug/l	20000
10/22/08	Total Dissolved Solid (TDS)		9760	500	mg/l	10
	2810180043	**PC-55**				
10/25/08	Perchlorate		516		ug/l	80
10/22/08	Total Dissolved Solid (TDS)		6980	500	mg/l	10
	2810180044	**L-635**				
10/25/08	Perchlorate		191		ug/l	20
10/22/08	Total Dissolved Solid (TDS)		7320	500	mg/l	10
	2810180045	**L-637**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#257010

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
17-oct-2008 16:30:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2810180045	L-637				
10/25/08	Perchlorate		46		ug/l	20
10/22/08	Total Dissolved Solid (TDS)		6700	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
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750 Royal Oaks Drive
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Laboratory
Data Report
#257010

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
10/17/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2810180021) Sampled on 10/15/08 12:30								
	10/25/08 18:23	457365	(EPA 314)	Perchlorate	287000	ug/l	20000	5000
10/22/08	10/22/08 12:05	457378	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4460	mg/l	10	1
PC-98R (2810180022) Sampled on 10/15/08 09:36								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	14700	ug/l	800	200
10/22/08	10/22/08 12:05	457378	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6660	mg/l	10	1
PC-86 (2810180023) Sampled on 10/14/08 08:47								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	1120	ug/l	80	20
10/22/08	10/22/08 12:05	457378	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2560(H1)	mg/l	10	1
PC-90 (2810180024) Sampled on 10/14/08 08:28								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	9830	ug/l	800	200
10/22/08	10/22/08 12:05	457378	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4490(H1)	mg/l	10	1
PC-56 (2810180025) Sampled on 10/14/08 07:46								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	6520	ug/l	400	100
10/22/08	10/22/08 12:05	457378	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7050(H1)	mg/l	10	1
PC-58 (2810180026) Sampled on 10/14/08 07:41								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	4420	ug/l	400	100
10/22/08	10/22/08 12:05	457378	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3180(H1)	mg/l	10	1
PC-59 (2810180027) Sampled on 10/14/08 07:37								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	6850	ug/l	400	100
10/25/08	10/25/08 19:05	457458	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4230(H1)	mg/l	10	1

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Laboratory
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#257010

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-60 (2810180028) Sampled on 10/14/08 07:33								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	6520	ug/l	400	100
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4280(H1)	mg/l	10	1
PC-62 (2810180029) Sampled on 10/14/08 07:26								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	2070	ug/l	200	50
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3090(H1)	mg/l	10	1
PC-68 (2810180030) Sampled on 10/14/08 07:22								
	10/28/08 19:39	458006	(EPA 314)	Perchlorate	636	ug/l	40	10
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2050(H1)	mg/l	10	1
MW-K4 (2810180031) Sampled on 10/15/08 10:05								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	98800	ug/l	8000	2000
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6230	mg/l	10	1
ARP-1 (2810180032) Sampled on 10/14/08 11:33								
	10/29/08 18:25	458270	(EPA 314)	Perchlorate	2740	ug/l	200	50
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6300	mg/l	10	1
ARP-4A (2810180033) Sampled on 10/15/08 10:17								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	34000	ug/l	2000	500
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4620	mg/l	10	1
ARP-5A (2810180034) Sampled on 10/15/08 10:25								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	24700	ug/l	2000	500
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6200	mg/l	10	1
ARP-6B (2810180035) Sampled on 10/15/08 10:38								
	10/28/08 19:39	458006	(EPA 314)	Perchlorate	9060	ug/l	400	100
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9260	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-53 (2810180036) Sampled on 10/15/08 08:08								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	4880	ug/l	200	50
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5200	mg/l	10	1
PC-103 (2810180037) Sampled on 10/15/08 09:01								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	12600	ug/l	800	200
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5090	mg/l	10	1
MW-K5 (2810180038) Sampled on 10/15/08 08:27								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	14200	ug/l	800	200
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6630	mg/l	10	1
PC-91 (2810180039) Sampled on 10/14/08 09:02								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	12600	ug/l	800	200
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7080(H1)	mg/l	10	1
PC-97 (2810180040) Sampled on 10/14/08 08:09								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	62	ug/l	20	5
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2460(H1)	mg/l	10	1
PC-17 (2810180041) Sampled on 10/14/08 09:33								
	10/25/08 06:43	457844	(EPA 314)	Perchlorate	167000	ug/l	20000	5000
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8180(H1)	mg/l	10	1
PC-18 (2810180042) Sampled on 10/14/08 09:51								
	10/25/08 19:03	457845	(EPA 314)	Perchlorate	191000	ug/l	20000	5000
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9760(H1)	mg/l	10	1
PC-55 (2810180043) Sampled on 10/14/08 11:20								
	10/25/08 19:03	457845	(EPA 314)	Perchlorate	516	ug/l	80	20
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6980(H1)	mg/l	10	1

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Data Report
#257010

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
L-635 (2810180044) Sampled on 10/14/08 12:45								
	10/25/08 19:03	457845	(EPA 314)	Perchlorate	191	ug/l	20	5
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7320(H1)	mg/l	10	1
L-637 (2810180045) Sampled on 10/14/08 13:20								
	10/25/08 19:03	457845	(EPA 314)	Perchlorate	46	ug/l	20	5
10/22/08	10/22/08 13:05	457396	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6700(H1)	mg/l	10	1

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QC Summary
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Tronox LLC - Henderson

QC Ref #457365 - Perchlorate **Analysis Date: 10/25/2008**

2810180021	M-87	Analyzed by: ser

QC Ref #457378 - Total Dissolved Solid (TDS) **Analysis Date: 10/22/2008**

2810180021	M-87	Analyzed by: yaa
2810180022	PC-98R	Analyzed by: yaa
2810180023	PC-86	Analyzed by: yaa
2810180024	PC-90	Analyzed by: yaa
2810180025	PC-56	Analyzed by: yaa
2810180026	PC-58	Analyzed by: yaa

QC Ref #457396 - Total Dissolved Solid (TDS) **Analysis Date: 10/22/2008**

2810180028	PC-60	Analyzed by: yaa
2810180029	PC-62	Analyzed by: yaa
2810180030	PC-68	Analyzed by: yaa
2810180031	MW-K4	Analyzed by: yaa
2810180032	ARP-1	Analyzed by: yaa
2810180033	ARP-4A	Analyzed by: yaa
2810180034	ARP-5A	Analyzed by: yaa
2810180035	ARP-6B	Analyzed by: yaa
2810180036	PC-53	Analyzed by: yaa
2810180037	PC-103	Analyzed by: yaa
2810180038	MW-K5	Analyzed by: yaa
2810180039	PC-91	Analyzed by: yaa
2810180040	PC-97	Analyzed by: yaa
2810180041	PC-17	Analyzed by: yaa
2810180042	PC-18	Analyzed by: yaa
2810180043	PC-55	Analyzed by: yaa
2810180044	L-635	Analyzed by: yaa
2810180045	L-637	Analyzed by: yaa

QC Ref #457458 - Total Dissolved Solid (TDS) **Analysis Date: 10/25/2008**

2810180027	PC-59	Analyzed by: lmr

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Laboratory
QC Summary
#257010

Tronox LLC - Henderson
(continued)

QC Ref #457844 - Perchlorate **Analysis Date: 10/25/2008**

2810180022	PC-98R	Analyzed by: ser
2810180023	PC-86	Analyzed by: ser
2810180024	PC-90	Analyzed by: ser
2810180025	PC-56	Analyzed by: ser
2810180026	PC-58	Analyzed by: ser
2810180027	PC-59	Analyzed by: ser
2810180028	PC-60	Analyzed by: ser
2810180029	PC-62	Analyzed by: ser
2810180031	MW-K4	Analyzed by: ser
2810180033	ARP-4A	Analyzed by: ser
2810180034	ARP-5A	Analyzed by: ser
2810180036	PC-53	Analyzed by: ser
2810180037	PC-103	Analyzed by: ser
2810180038	MW-K5	Analyzed by: ser
2810180039	PC-91	Analyzed by: ser
2810180040	PC-97	Analyzed by: ser
2810180041	PC-17	Analyzed by: ser

QC Ref #457845 - Perchlorate **Analysis Date: 10/25/2008**

2810180042	PC-18	Analyzed by: ser
2810180043	PC-55	Analyzed by: ser
2810180044	L-635	Analyzed by: ser
2810180045	L-637	Analyzed by: ser

QC Ref #458006 - Perchlorate **Analysis Date: 10/28/2008**

2810180030	PC-68	Analyzed by: ser
2810180035	ARP-6B	Analyzed by: ser

QC Ref #458270 - Perchlorate **Analysis Date: 10/29/2008**

2810180032	ARP-1	Analyzed by: ser

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Tronox LLC - Henderson

QC Ref #457365 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	10140535	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS2	Perchlorate	25.0	23.9	UGL	95.6	(85-115)	
LCS3	Perchlorate	4	3.19	UGL	79.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	20.2	UGL	80.8	(80-120)	
MSD	Perchlorate	25.0	23.4	UGL	93.6	(80-120)	
RPD_LCS	Perchlorate	96.000	95.600	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	80.800	93.600	UGL	1.2	(0-15)	

QC Ref #457378 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	10140086	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	358	352	MGL		(0-10)	1.7
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	674	MGL	96.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	92.571	96.286	MGL	3.9	(0-20)	

QC Ref #457396 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	10180028	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	4120	4280	MGL		(0-10)	3.8
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	662	MGL	94.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	7	MGL	70.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	100.571	94.571	MGL	6.1	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#257010

Tronox LLC - Henderson
(continued)

QC Ref #457458 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	10140604	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	356	362	MGL		(0-10)	1.7
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	722	MGL	103.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	7	MGL	70.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	103.143	MGL	6.0	(0-20)	

QC Ref #457844 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	10180023	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.0	UGL	92.0	(85-115)	
LCS2	Perchlorate	25.0	23.3	UGL	93.2	(85-115)	
LCS3	Perchlorate	4	3.57	UGL	89.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.6	UGL	86.4	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
RPD_LCS	Perchlorate	92.000	93.200	UGL	1.3	(0-15)	
RPD_MS	Perchlorate	86.400	94.000	UGL	1.1	(0-15)	

QC Ref #457845 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	10210388	UGL		(0-0)	
LCS1	Perchlorate	25.0	22.6	UGL	90.4	(85-115)	
LCS2	Perchlorate	25.0	23.4	UGL	93.6	(85-115)	
LCS3	Perchlorate	4	4.61	UGL	115.3	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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#257010

Tronox LLC - Henderson
(continued)

MS	Perchlorate	25.0	22.0	UGL	88.0	(80-120)
MSD	Perchlorate	25.0	21.7	UGL	86.8	(80-120)
RPD_LCS	Perchlorate	90.400	93.600	UGL	3.5	(0-15)
RPD_MS	Perchlorate	88.000	86.800	UGL	1.0	(0-15)

QC Ref #458006 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	10280152	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.5	UGL	106.0	(85-115)	
LCS2	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
LCS3	Perchlorate	4	4.29	UGL	107.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
MSD	Perchlorate	25.0	25.3	UGL	101.2	(80-120)	
RPD_LCS	Perchlorate	106.000	95.200	UGL	10.7	(0-15)	
RPD_MS	Perchlorate	95.600	101.200	UGL	1.1	(0-15)	

QC Ref #458270 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	10270353	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS3	Perchlorate	4	3.73	UGL	93.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.5	UGL	98.0	(80-120)	
MSD	Perchlorate	25.0	22.2	UGL	88.8	(80-120)	
RPD_LCS	Perchlorate	100.800	100.800	UGL	0.0	(0-15)	
RPD_MS	Perchlorate	98.000	88.800	UGL	0.9	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Nov 23 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258290
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 17 page[s].

MWH

BUILDING A BETTER WORLD

November 25, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258290

Enclosed is MWH Laboratories Report 258290

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 4, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed.

Results for I-Q are inconsistent with historical for chromium, but results were confirmed by re-analysis.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
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Monrovia, CA 91016

MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

258290

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS/JS

SAMPLE TEMP, RECEIPT AT LAB: 5°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling — Schedule B

Sampler: Michele Brown (Michele Brown)

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
9:58			I-AR	RGW	X		X	X	X	X											Bottles
9:46			I-O	RGW	X		X	X	X	X											Bottles
9:44			I-P	RGW	X		X	X	X	X											Bottles
9:41			I-H	RGW	X		X	X	X	X											Bottles
9:39			I-U	RGW	X		X	X	X	X											Bottles
9:36			I-T	RGW	X		X	X	X	X											Bottles
9:33			I-G	RGW	X		X	X	X	X											Bottles
9:32			I-Q	RGW	X		X	X	X	X											Bottles
9:28			I-F	RGW	X		X	X	X	X											Bottles
9:19			I-N	RGW	X		X	X	X	X											Bottles
9:17			I-E	RGW	X		X	X	X	X											Bottles
915			I-M	RGW	X		X	X	X	X											Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-3-08	12:00PM
RECEIVED BY:	Joe Sanchez	Joe Sanchez	MWH	11-4-08	10 AM
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

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(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: J.C. / JS

SAMPLE TEMP, RECEIPT AT LAB: 5°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
9:12			I-D	RGW	X		X	X	X	X											Bottles
9:08			I-C	RGW	X		X	X	X	X											Bottles
9:03			I-J	RGW	X		X	X	X	X											Bottles
8:59			I-L	RGW	X		X	X	X	X											Bottles
8:57			I-R	RGW	X		X	X	X	X											Bottles
8:55			I-B	RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles
				RGW	X		X	X	X	X											Bottles

* **MATRIX TYPES:**

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-3-08	12:00PM
RECEIVED BY:	Joe Sanchez	Joe Sanchez	MWLAT	11-4-08	10am
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Period
Week 1

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 44952 33899 RS
0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 09/15/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 -250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143415

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	11/03/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM: Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 63 lbs One ice chest @ 63 lbs Not Regulated		2 Coolers

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 126	TOTAL TARE WEIGHT 0	126

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CL 5088108/21/24

Ship Date: 03NOV08
ActWgt: 63 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143415
Invoice #
PO #
Dept #

TRK# 0201 7906 1941 8380

TUE - 04NOV **A2**
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258290
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/04/08.** They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811050369	I-AR		Water	03-nov-2008 09:58:00
		CLO4 CR6010 P PH9040 T TDS		
2811050370	I-O		Water	03-nov-2008 09:46:00
		CLO4 CR6010 P PH9040 T TDS		
2811050371	I-P		Water	03-nov-2008 09:44:00
		CLO4 CR6010 P PH9040 T TDS		
2811050372	I-H		Water	03-nov-2008 09:41:00
		CLO4 CR6010 P PH9040 T TDS		
2811050373	I-U		Water	03-nov-2008 09:37:00
		CLO4 CR6010 P PH9040 T TDS		
2811050374	I-T		Water	03-nov-2008 09:36:00
		CLO4 CR6010 P PH9040 T TDS		
2811050375	I-G		Water	03-nov-2008 09:33:00
		CLO4 CR6010 P PH9040 T TDS		
2811050376	I-Q		Water	03-nov-2008 09:32:00
		CLO4 CR6010 P PH9040 T TDS		
2811050377	I-F		Water	03-nov-2008 09:28:00
		CLO4 CR6010 P PH9040 T TDS		
2811050378	I-N		Water	03-nov-2008 09:19:00
		CLO4 CR6010 P PH9040 T TDS		
2811050379	I-E		Water	03-nov-2008 09:17:00
		CLO4 CR6010 P PH9040 T TDS		
2811050380	I-M		Water	03-nov-2008 09:15:00
		CLO4 CR6010 P PH9040 T TDS		
2811050381	I-D		Water	03-nov-2008 09:12:00
		CLO4 CR6010 P PH9040 T TDS		
2811050382	I-C		Water	03-nov-2008 09:08:00
		CLO4 CR6010 P PH9040 T TDS		
2811050383	I-S		Water	03-nov-2008 09:03:00
		CLO4 CR6010 P PH9040 T TDS		
2811050384	I-L		Water	03-nov-2008 08:59:00
		CLO4 CR6010 P PH9040 T TDS		
2811050385	I-R		Water	03-nov-2008 08:57:00
		CLO4 CR6010 P PH9040 T TDS		

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258290
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2811050386	I-B	Water	03-nov-2008 08:55:00
	CLO4 CR6010 P PH9040 T TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#258290

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

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Laboratory
Hits Report
#258290

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050369	**I-AR**				
11/12/08	Chromium, Total, ICAP		0.95		mg/l	0.010
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/06/08	Perchlorate		2960000		ug/l	200000
11/06/08	Total Dissolved Solid (TDS)		6160	500	mg/l	10
	2811050370	**I-O**				
11/12/08	Chromium, Total, ICAP		30		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/06/08	Perchlorate		1520000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		15600	500	mg/l	10
	2811050371	**I-P**				
11/12/08	Chromium, Total, ICAP		29		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.1		Units	0.0010
11/06/08	Perchlorate		1550000		ug/l	200000
11/06/08	Total Dissolved Solid (TDS)		14000	500	mg/l	10
	2811050372	**I-H**				
11/12/08	Chromium, Total, ICAP		30		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.0		Units	0.0010
11/06/08	Perchlorate		1660000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		16000	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#258290

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050373	**I-U**				
	2811050373	**I-U**				
11/12/08	Chromium, Total, ICAP		30		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.0		Units	0.0010
11/07/08	Perchlorate		1750000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		18800	500	mg/l	10
	2811050374	**I-T**				
11/12/08	Chromium, Total, ICAP		32		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/07/08	Perchlorate		1790000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		18800	500	mg/l	10
	2811050375	**I-G**				
11/12/08	Chromium, Total, ICAP		28		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.0		Units	0.0010
11/07/08	Perchlorate		1960000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		18500	500	mg/l	10
	2811050376	**I-Q**				
11/12/08	Chromium, Total, ICAP		14		mg/l	0.050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.2		Units	0.0010

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#258290

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050376	**I-Q**				
11/07/08	Perchlorate		994000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		11000	500	mg/l	10
	2811050377	**I-F**				
11/12/08	Chromium, Total, ICAP		23		mg/l	0.050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		1470000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		13900	500	mg/l	10
	2811050378	**I-N**				
11/12/08	Chromium, Total, ICAP		13		mg/l	0.050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		987000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		11000	500	mg/l	10
	2811050379	**I-E**				
11/12/08	Chromium, Total, ICAP		12		mg/l	0.050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		684000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		9920	500	mg/l	10
	2811050380	**I-M**				
11/12/08	Chromium, Total, ICAP		11		mg/l	0.050

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#258290

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050380	**I-M**				
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/07/08	Perchlorate		750000		ug/l	40000
11/06/08	Total Dissolved Solid (TDS)		9420	500	mg/l	10
	2811050381	**I-D**				
11/12/08	Chromium, Total, ICAP		9.2		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		745000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		9040	500	mg/l	10
	2811050382	**I-C**				
11/12/08	Chromium, Total, ICAP		4.8		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		891000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		7570	500	mg/l	10
	2811050383	**I-S**				
11/12/08	Chromium, Total, ICAP		2.0		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		947000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		5630	500	mg/l	10
	2811050384	**I-L**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#258290

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050384	**I-L**				
11/12/08	Chromium, Total, ICAP		0.91		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		1940000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		6980	500	mg/l	10
	2811050385	**I-R**				
11/12/08	Chromium, Total, ICAP		0.5		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		2610000		ug/l	200000
11/06/08	Total Dissolved Solid (TDS)		7260	500	mg/l	10
	2811050386	**I-B**				
11/12/08	Chromium, Total, ICAP		0.30		mg/l	0.010
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/07/08	Perchlorate		928000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		4860	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
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Laboratory
Data Report
#258290

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/04/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-AR (2811050369)			**Sampled on 11/03/08 09:58**					
	11/06/08 16:02	459349	(EPA 314)	Perchlorate	2960000	ug/l	200000	50000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	0.95	mg/l	0.010	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6160	mg/l	10	1
I-O (2811050370)			**Sampled on 11/03/08 09:46**					
	11/06/08 16:02	459349	(EPA 314)	Perchlorate	1520000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	15600	mg/l	10	1
I-P (2811050371)			**Sampled on 11/03/08 09:44**					
	11/06/08 16:02	459349	(EPA 314)	Perchlorate	1550000	ug/l	200000	50000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	29	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.1	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	14000	mg/l	10	1
I-H (2811050372)			**Sampled on 11/03/08 09:41**					
	11/06/08 16:02	459349	(EPA 314)	Perchlorate	1660000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.0	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16000	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-U (2811050373)			**Sampled on 11/03/08 09:37**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	1750000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	30	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458935	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.0	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18800	mg/l	10	1
I-T (2811050374)			**Sampled on 11/03/08 09:36**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	1790000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	32	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458935	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18800	mg/l	10	1
I-G (2811050375)			**Sampled on 11/03/08 09:33**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	1960000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	28	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458935	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.0	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18500	mg/l	10	1
I-Q (2811050376)			**Sampled on 11/03/08 09:32**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	994000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	14	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458935	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11000	mg/l	10	1
I-F (2811050377)			**Sampled on 11/03/08 09:28**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	1470000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	23	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13900	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-N (2811050378)			**Sampled on 11/03/08 09:19**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	987000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	11000	mg/l	10	1
I-E (2811050379)			**Sampled on 11/03/08 09:17**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	684000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	12	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9920	mg/l	10	1
I-M (2811050380)			**Sampled on 11/03/08 09:15**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	750000	ug/l	40000	10000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	11	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9420	mg/l	10	1
I-D (2811050381)			**Sampled on 11/03/08 09:12**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	745000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	9.2	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9040	mg/l	10	1
I-C (2811050382)			**Sampled on 11/03/08 09:08**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	891000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	4.8	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7570	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-S (2811050383)			**Sampled on 11/03/08 09:03**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	947000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	2.0	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5630	mg/l	10	1
I-L (2811050384)			**Sampled on 11/03/08 08:59**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	1940000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	0.91	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6980	mg/l	10	1
I-R (2811050385)			**Sampled on 11/03/08 08:57**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	2610000	ug/l	200000	50000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	0.5	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458933	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7260	mg/l	10	1
I-B (2811050386)			**Sampled on 11/03/08 08:55**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	928000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	0.30	mg/l	0.010	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4860	mg/l	10	1

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QC Ref #0 - Metals Turbidity **Analysis Date: 11/06/2008**

2811050369	I-AR	Analyzed by: jrf
2811050369	I-AR	Analyzed by: jrf
2811050370	I-O	Analyzed by: jrf
2811050370	I-O	Analyzed by: jrf
2811050371	I-P	Analyzed by: jrf
2811050371	I-P	Analyzed by: jrf
2811050372	I-H	Analyzed by: jrf
2811050372	I-H	Analyzed by: jrf
2811050373	I-U	Analyzed by: jrf
2811050373	I-U	Analyzed by: jrf
2811050374	I-T	Analyzed by: jrf
2811050374	I-T	Analyzed by: jrf
2811050375	I-G	Analyzed by: jrf
2811050375	I-G	Analyzed by: jrf
2811050376	I-Q	Analyzed by: jrf
2811050376	I-Q	Analyzed by: jrf
2811050377	I-F	Analyzed by: jrf
2811050377	I-F	Analyzed by: jrf
2811050378	I-N	Analyzed by: jrf
2811050378	I-N	Analyzed by: jrf
2811050379	I-E	Analyzed by: jrf
2811050379	I-E	Analyzed by: jrf
2811050380	I-M	Analyzed by: jrf
2811050380	I-M	Analyzed by: jrf
2811050381	I-D	Analyzed by: jrf
2811050381	I-D	Analyzed by: jrf
2811050382	I-C	Analyzed by: jrf
2811050382	I-C	Analyzed by: jrf
2811050383	I-S	Analyzed by: jrf
2811050383	I-S	Analyzed by: jrf
2811050384	I-L	Analyzed by: jrf
2811050384	I-L	Analyzed by: jrf
2811050385	I-R	Analyzed by: jrf
2811050385	I-R	Analyzed by: jrf
2811050386	I-B	Analyzed by: jrf
2811050386	I-B	Analyzed by: jrf

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QC Ref #458932 - PH (H3=past HT, not compliant) Analysis Date: 11/04/2008

2811050386	I-B	Analyzed by: sar

QC Ref #458933 - PH (H3=past HT, not compliant) Analysis Date: 11/04/2008

2811050377	I-F	Analyzed by: sar
2811050378	I-N	Analyzed by: sar
2811050379	I-E	Analyzed by: sar
2811050380	I-M	Analyzed by: sar
2811050381	I-D	Analyzed by: sar
2811050382	I-C	Analyzed by: sar
2811050383	I-S	Analyzed by: sar
2811050384	I-L	Analyzed by: sar
2811050385	I-R	Analyzed by: sar

QC Ref #458935 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811050373	I-U	Analyzed by: sar
2811050374	I-T	Analyzed by: sar
2811050375	I-G	Analyzed by: sar
2811050376	I-Q	Analyzed by: sar

QC Ref #458936 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811050369	I-AR	Analyzed by: sar
2811050370	I-O	Analyzed by: sar
2811050371	I-P	Analyzed by: sar
2811050372	I-H	Analyzed by: sar

QC Ref #459349 - Perchlorate Analysis Date: 11/06/2008

2811050369	I-AR	Analyzed by: ser
2811050370	I-O	Analyzed by: ser
2811050371	I-P	Analyzed by: ser
2811050372	I-H	Analyzed by: ser

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QC Ref #459354 - Perchlorate **Analysis Date: 11/07/2008**

2811050373	I-U	Analyzed by: ser
2811050374	I-T	Analyzed by: ser
2811050375	I-G	Analyzed by: ser
2811050376	I-Q	Analyzed by: ser
2811050377	I-F	Analyzed by: ser
2811050378	I-N	Analyzed by: ser
2811050380	I-M	Analyzed by: ser
2811050381	I-D	Analyzed by: ser
2811050382	I-C	Analyzed by: ser
2811050383	I-S	Analyzed by: ser
2811050384	I-L	Analyzed by: ser
2811050385	I-R	Analyzed by: ser

QC Ref #459355 - Perchlorate **Analysis Date: 11/07/2008**

2811050379	I-E	Analyzed by: ser
2811050386	I-B	Analyzed by: ser

QC Ref #459683 - Total Dissolved Solid (TDS) **Analysis Date: 11/06/2008**

2811050369	I-AR	Analyzed by: yaa
2811050370	I-O	Analyzed by: yaa
2811050371	I-P	Analyzed by: yaa
2811050372	I-H	Analyzed by: yaa
2811050373	I-U	Analyzed by: yaa
2811050374	I-T	Analyzed by: yaa
2811050375	I-G	Analyzed by: yaa
2811050376	I-Q	Analyzed by: yaa
2811050377	I-F	Analyzed by: yaa
2811050378	I-N	Analyzed by: yaa
2811050379	I-E	Analyzed by: yaa
2811050380	I-M	Analyzed by: yaa
2811050381	I-D	Analyzed by: yaa
2811050382	I-C	Analyzed by: yaa
2811050383	I-S	Analyzed by: yaa
2811050384	I-L	Analyzed by: yaa
2811050385	I-R	Analyzed by: yaa
2811050386	I-B	Analyzed by: yaa

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QC Ref #460441 - Chromium, Total, ICAP **Analysis Date: 11/12/2008**

2811050369	I-AR	Analyzed by: csk
2811050370	I-O	Analyzed by: csk
2811050371	I-P	Analyzed by: csk
2811050372	I-H	Analyzed by: csk
2811050373	I-U	Analyzed by: csk
2811050374	I-T	Analyzed by: csk
2811050375	I-G	Analyzed by: csk
2811050376	I-Q	Analyzed by: csk
2811050377	I-F	Analyzed by: csk
2811050378	I-N	Analyzed by: csk
2811050379	I-E	Analyzed by: csk
2811050380	I-M	Analyzed by: csk
2811050381	I-D	Analyzed by: csk
2811050382	I-C	Analyzed by: csk
2811050383	I-S	Analyzed by: csk
2811050384	I-L	Analyzed by: csk
2811050385	I-R	Analyzed by: csk
2811050386	I-B	Analyzed by: csk

QC Ref #460453 - Total Dissolved Solid (TDS) **Analysis Date: 11/12/2008**

2811050370	I-O	Analyzed by: yaa
2811050371	I-P	Analyzed by: yaa
2811050373	I-U	Analyzed by: yaa
2811050375	I-G	Analyzed by: yaa

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QC Ref #458932 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.71	7.70	UNIT		(0-20)	0.1

QC Ref #458933 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.46	7.45	UNIT		(0-20)	0.1

QC Ref #458935 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	6.97	6.99	UNIT		(0-20)	0.3

QC Ref #458936 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.61	7.61	UNIT		(0-20)	0.0

QC Ref #459349 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11040372	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS2	Perchlorate	25.0	25.6	UGL	102.4	(85-115)	
LCS3	Perchlorate	4	4.28	UGL	107.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.5	UGL	86.0	(80-120)	
MSD	Perchlorate	25.0	20.9	UGL	83.6	(80-120)	
RPD_LCS	Perchlorate	100.000	102.400	UGL	2.4	(0-15)	
RPD_MS	Perchlorate	86.000	83.600	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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QC Ref #459354 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11050378	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS2	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS3	Perchlorate	4	4.00	UGL	100.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	26.9	UGL	107.6	(80-120)	
MSD	Perchlorate	25.0	27.0	UGL	108.0	(80-120)	
RPD_LCS	Perchlorate	101.600	97.200	UGL	4.4	(0-15)	
RPD_MS	Perchlorate	107.600	108.000	UGL	1.0	(0-15)	

QC Ref #459355 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060037	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS3	Perchlorate	4	4.04	UGL	101.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	22.8	UGL	91.2	(80-120)	
RPD_LCS	Perchlorate	98.400	103.200	UGL	4.8	(0-15)	
RPD_MS	Perchlorate	100.800	91.200	UGL	0.9	(0-15)	

QC Ref #459683 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050369	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	6080	6160	MGL		(0-10)	1.3
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	(80-114)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

LCS2	Total Dissolved Solid (TDS)	700	678	MGL	96.9	(80-114)
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	98.286	96.857	MGL	1.5	(0-20)

QC Ref #460441 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050369	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0093	MGL	93.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.93	MGL	93.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	

QC Ref #460453 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070280	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	796	804	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	678	MGL	96.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	96.857	MGL	0.3	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Dec 03 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258305
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 18 page[s].

MWH

BUILDING A BETTER WORLD

December 5, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258305

Enclosed is MWH Laboratories Report 258305

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 4, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

The hexavalent chromium sample was received and analyzed past the RCRA 24 hour holding time.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626.386-1100
FAX 626.386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY: 29030S

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS/CS

SAMPLE TEMP, RECEIPT AT LAB: 3°

BLUE ICE: FROZEN / PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
5:54	11-3-08		PC-123	RGW	X		X	X	X	X					2 Bottles
6:10	11-3-08		PC-124	RGW	X		X	X	X	X					2 Bottles
6:20	11-3-08		PC-125	RGW	X		X	X	X	X					2 Bottles
6:31	11-3-08		PC-126	RGW	X		X	X	X	X					2 Bottles
6:41	11-3-08		PC-127	RGW	X		X	X	X	X					2 Bottles
6:54	11-3-08		PC-128	RGW	X		X	X	X	X					2 Bottles
—	11-3-08		PC-129	RGW	X		X	X	*	X	NO SAMPLE				2 Bottles
—	11-3-08		PC-130	RGW	X		X	X	X	X	NO SAMPLE				2 Bottles
7:20	11-3-08		PC-131	RGW	X		X	X	X	X					2 Bottles
7:32	11-3-08		PC-132	RGW	X		X	X	X	X					2 Bottles
7:27	11-3-08		FB-1	RGW	X		X	X	X	X	(X) - DID NOT RECEIVE				3 Bottles
7:58	11-3-08		MW-96	RGW	X		X	X	X	X					2 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-3-08	12:00PM
RECEIVED BY:	Joe Sanchez	Joe Sanchez	MWH	11-4-08	10:00
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JS/ JC

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN / PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
824	11-3-08		PC-54	RGW	X		X	X	X	X					2 Bottles
930	11-3-08		IAA	RGW	X		X	X	X	X					2 Bottles
1050	11-3-08		M-66	RGW	X		X	X	X	X					2 Bottles
1102	11-3-08		M-65	RGW	X		X	X	X	X					2 Bottles
11-48	11-3-08		M-64	RGW	X		X	X	X	X					2 Bottles
	11-3-08		MD-3	RGW	X		X	X	X	X					2 Bottles
	11-3-08		MD-4	RGW	X		X	X	X	X					2 Bottles
	~~11-3-08~~ MD			RGW	X		X	X	X	X					Bottles
1212	11-3-08		M-95	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

DID NOT REC.

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-3-08	12:00PM
RECEIVED BY:	Joe Sanchez	JOE Sanchez	Mwn	11-4-08a	12:0
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Period
Week 1

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 44952 33899 **RS**
0

Created by **MWH**
Order Date **09/15/08**
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 -250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ctiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143415

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	11/03/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10400

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM: Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 63 lbs One ice chest @ 63 lbs Not Regulated		2 Coolers

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 126	TOTAL TARE WEIGHT 0	126

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS0808/2124

Ship Date: 03NOV08
ActWgt: 63 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143415
Invoice #
PO #
Dept #

TRK# 0201 7906 1941 7535

TUE - 04NOV **A2**
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258305
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/04/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811050409	PC-123		Water	03-nov-2008 05:54:00
		CLO4 CR6010 P PH9040 T TDS		
2811050410	PC-124		Water	03-nov-2008 06:10:00
		CLO4 CR6010 P PH9040 T TDS		
2811050411	PC-125		Water	03-nov-2008 06:20:00
		CLO4 CR6010 P PH9040 T TDS		
2811050412	PC-126		Water	03-nov-2008 06:31:00
		CLO4 CR6010 P PH9040 T TDS		
2811050413	PC-127		Water	03-nov-2008 06:41:00
		CLO4 CR6010 P PH9040 T TDS		
2811050414	PC-128		Water	03-nov-2008 06:54:00
		CLO4 CR6010 P PH9040 T TDS		
2811050415	PC-131		Water	03-nov-2008 07:20:00
		CLO4 CR6010 P PH9040 T TDS		
2811050416	PC-132		Water	03-nov-2008 07:32:00
		CLO4 CR6010 P PH9040 T TDS		
2811050417	FB-1		Water	03-nov-2008 07:27:00
		CLO4 CR6010 P PH9040 T TDS		
2811050418	M-96		Water	03-nov-2008 07:58:00
		CLO4 CR6010 P PH9040 T TDS		
2811050419	PC-54		Water	03-nov-2008 08:24:00
		CLO4 CR6010 P PH9040 T TDS		
2811050420	I-AA		Water	03-nov-2008 09:30:00
		CLO4 CR6010 P PH9040 T TDS		
2811050421	M-66		Water	03-nov-2008 10:50:00
		CLO4 CR6010 P PH9040 T TDS		
2811050422	M-65		Water	03-nov-2008 11:02:00
		CLO4 CR6010 P PH9040 T TDS		
2811050423	M-64		Water	03-nov-2008 11:48:00
		CLO4 CR6010 P PH9040 T TDS		
2811050424	MD-3		Water	03-nov-2008 00:00:00
		CLO4 CR6010 P PH9040 T TDS		
2811050425	M-95		Water	03-nov-2008 12:12:00
		CLO4 CR6010 CRVI7196 P PH9040 T		

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258305
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2811050425	M-95 (con't)		
	TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#258305

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2811050425)

Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#258305

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050409	**PC-123**				
11/12/08	Chromium, Total, ICAP		1.8		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		387000		ug/l	20000
11/06/08	Total Dissolved Solid (TDS)		7620	500	mg/l	10
	2811050410	**PC-124**				
11/12/08	Chromium, Total, ICAP		0.035		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		4680		ug/l	200
11/06/08	Total Dissolved Solid (TDS)		6280	500	mg/l	10
	2811050411	**PC-125**				
11/12/08	Chromium, Total, ICAP		0.029		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/07/08	Perchlorate		5220		ug/l	400
11/06/08	Total Dissolved Solid (TDS)		6520	500	mg/l	10
	2811050412	**PC-126**				
11/12/08	Chromium, Total, ICAP		0.11		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/07/08	Perchlorate		13300		ug/l	800
11/06/08	Total Dissolved Solid (TDS)		10800	500	mg/l	10

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Laboratory
Hits Report
#258305

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050413	**PC-127**				
	2811050413	**PC-127**				
11/12/08	Chromium, Total, ICAP		1.8		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		435000		ug/l	20000
11/06/08	Total Dissolved Solid (TDS)		7670	500	mg/l	10
	2811050414	**PC-128**				
11/12/08	Chromium, Total, ICAP		0.16		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		187000		ug/l	8000
11/06/08	Total Dissolved Solid (TDS)		5620	500	mg/l	10
	2811050415	**PC-131**				
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		7280		ug/l	800
11/06/08	Total Dissolved Solid (TDS)		9340	500	mg/l	10
	2811050416	**PC-132**				
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		2460		ug/l	200
11/06/08	Total Dissolved Solid (TDS)		7760	500	mg/l	10

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Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050416	PC-132				
	2811050417	FB-1				
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		6.0		Units	0.0010
	2811050418	M-96				
11/12/08	Chromium, Total, ICAP		1.1		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/07/08	Perchlorate		284000		ug/l	20000
11/06/08	Total Dissolved Solid (TDS)		6340	500	mg/l	10
	2811050419	PC-54				
11/12/08	Chromium, Total, ICAP		2.1		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/04/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		241000		ug/l	20000
11/06/08	Total Dissolved Solid (TDS)		5980	500	mg/l	10
	2811050420	I-AA				
11/12/08	Chromium, Total, ICAP		0.068		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/07/08	Perchlorate		120000		ug/l	8000
11/06/08	Total Dissolved Solid (TDS)		3460	500	mg/l	10

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Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050421	M-66				
	2811050421	M-66				
11/12/08	Chromium, Total, ICAP		34		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.2		Units	0.0010
11/07/08	Perchlorate		1630000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		10900	500	mg/l	10
	2811050422	M-65				
11/12/08	Chromium, Total, ICAP		33		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/07/08	Perchlorate		1360000		ug/l	80000
11/06/08	Total Dissolved Solid (TDS)		18100	500	mg/l	10
	2811050423	M-64				
11/12/08	Chromium, Total, ICAP		9.8		mg/l	0.050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		639000		ug/l	40000
11/06/08	Total Dissolved Solid (TDS)		8500	500	mg/l	10
	2811050424	MD-3				
11/12/08	Chromium, Total, ICAP		0.16		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010

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Hits Report
#258305

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
04-nov-2008 10:00:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811050424	MD-3				
11/07/08	Perchlorate		231000		ug/l	20000
11/06/08	Total Dissolved Solid (TDS)		5400	500	mg/l	10
	2811050425	M-95				
11/25/08	Chromium, Total, ICAP		1.3		mg/l	0.020
11/04/08	Hexavalent chromium (Cr VI)		1.22		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/07/08	Perchlorate		512000		ug/l	40000
11/06/08	Total Dissolved Solid (TDS)		7220	500	mg/l	10

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Laboratory
Data Report
#258305

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/04/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-123 (2811050409)			**Sampled on 11/03/08 05:54**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	387000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	1.8	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458931	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7620	mg/l	10	1
PC-124 (2811050410)			**Sampled on 11/03/08 06:10**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	4680	ug/l	200	50
11/11/08	11/12/08 00:00	460441	(ML/EPA 6010B)	Chromium, Total, ICAP	0.035	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458931	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 14:39	459683	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6280	mg/l	10	1
PC-125 (2811050411)			**Sampled on 11/03/08 06:20**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	5220	ug/l	400	100
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.029	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6520	mg/l	10	1
PC-126 (2811050412)			**Sampled on 11/03/08 06:31**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	13300	ug/l	800	200
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.11	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10800	mg/l	10	1

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Data Report
#258305

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-127 (2811050413)			**Sampled on 11/03/08 06:41**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	435000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	1.8	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7670	mg/l	10	1
PC-128 (2811050414)			**Sampled on 11/03/08 06:54**					
	11/07/08 03:37	459354	(EPA 314)	Perchlorate	187000	ug/l	8000	2000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.16	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5620	mg/l	10	1
PC-131 (2811050415)			**Sampled on 11/03/08 07:20**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	7280	ug/l	800	200
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9340	mg/l	10	1
PC-132 (2811050416)			**Sampled on 11/03/08 07:32**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	2460	ug/l	200	50
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7760	mg/l	10	1
FB-1 (2811050417)			**Sampled on 11/03/08 07:27**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.0	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-96 (2811050418)			**Sampled on 11/03/08 07:58**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	284000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	1.1	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6340	mg/l	10	1
PC-54 (2811050419)			**Sampled on 11/03/08 08:24**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	241000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	2.1	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/04/08 00:00	458932	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5980	mg/l	10	1
I-AA (2811050420)			**Sampled on 11/03/08 09:30**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	120000	ug/l	8000	2000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.068	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458935	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3460	mg/l	10	1
M-66 (2811050421)			**Sampled on 11/03/08 10:50**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	1630000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	34	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10900	mg/l	10	1
M-65 (2811050422)			**Sampled on 11/03/08 11:02**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	1360000	ug/l	80000	20000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	33	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	18100	mg/l	10	1

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Laboratory
Data Report
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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-64 (2811050423)			**Sampled on 11/03/08 11:48**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	639000	ug/l	40000	10000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	9.8	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8500	mg/l	10	1
MD-3 (2811050424)			**Sampled on 11/03/08 00:00**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	231000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.16	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5400	mg/l	10	1
M-95 (2811050425)			**Sampled on 11/03/08 12:12**					
	11/07/08 18:40	459355	(EPA 314)	Perchlorate	512000	ug/l	40000	10000
11/11/08	11/25/08 20:00	461883	(ML/EPA 6010B)	Chromium, Total, ICAP	1.3	mg/l	0.020	2
	11/04/08 19:22	459546	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	1.22(H1)	mg/l	0.10	20
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	458936	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/06/08	11/06/08 16:28	459638	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7220	mg/l	10	1

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QC Summary
#258305

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 11/06/2008**

2811050409	PC-123	Analyzed by: jrf
2811050409	PC-123	Analyzed by: jrf
2811050410	PC-124	Analyzed by: jrf
2811050410	PC-124	Analyzed by: jrf
2811050411	PC-125	Analyzed by: jrf
2811050411	PC-125	Analyzed by: jrf
2811050412	PC-126	Analyzed by: jrf
2811050412	PC-126	Analyzed by: jrf
2811050413	PC-127	Analyzed by: jrf
2811050413	PC-127	Analyzed by: jrf
2811050414	PC-128	Analyzed by: jrf
2811050414	PC-128	Analyzed by: jrf
2811050415	PC-131	Analyzed by: jrf
2811050415	PC-131	Analyzed by: jrf
2811050416	PC-132	Analyzed by: jrf
2811050416	PC-132	Analyzed by: jrf
2811050417	FB-1	Analyzed by: jrf
2811050417	FB-1	Analyzed by: jrf
2811050418	M-96	Analyzed by: jrf
2811050418	M-96	Analyzed by: jrf
2811050419	PC-54	Analyzed by: jrf
2811050419	PC-54	Analyzed by: jrf
2811050420	I-AA	Analyzed by: jrf
2811050420	I-AA	Analyzed by: jrf
2811050421	M-66	Analyzed by: jrf
2811050421	M-66	Analyzed by: jrf
2811050422	M-65	Analyzed by: jrf
2811050422	M-65	Analyzed by: jrf
2811050423	M-64	Analyzed by: jrf
2811050423	M-64	Analyzed by: jrf
2811050424	MD-3	Analyzed by: jrf
2811050424	MD-3	Analyzed by: jrf
2811050425	M-95	Analyzed by: jrf
2811050425	M-95	Analyzed by: jrf

QC Ref #458931 - PH (H3=past HT, not compliant) Analysis Date: 11/04/2008

2811050409	PC-123	Analyzed by: sar
2811050410	PC-124	Analyzed by: sar

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Tronox LLC - Henderson
(continued)

QC Ref #458932 - PH (H3=past HT, not compliant) Analysis Date: 11/04/2008

2811050411	PC-125	Analyzed by: sar
2811050412	PC-126	Analyzed by: sar
2811050413	PC-127	Analyzed by: sar
2811050414	PC-128	Analyzed by: sar
2811050415	PC-131	Analyzed by: sar
2811050416	PC-132	Analyzed by: sar
2811050417	FB-1	Analyzed by: sar
2811050418	M-96	Analyzed by: sar
2811050419	PC-54	Analyzed by: sar

QC Ref #458935 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811050420	I-AA	Analyzed by: sar

QC Ref #458936 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811050421	M-66	Analyzed by: sar
2811050422	M-65	Analyzed by: sar
2811050423	M-64	Analyzed by: sar
2811050424	MD-3	Analyzed by: sar
2811050425	M-95	Analyzed by: sar

QC Ref #459354 - Perchlorate Analysis Date: 11/07/2008

2811050409	PC-123	Analyzed by: ser
2811050410	PC-124	Analyzed by: ser
2811050412	PC-126	Analyzed by: ser
2811050413	PC-127	Analyzed by: ser
2811050414	PC-128	Analyzed by: ser

QC Ref #459355 - Perchlorate Analysis Date: 11/07/2008

2811050411	PC-125	Analyzed by: ser
2811050415	PC-131	Analyzed by: ser
2811050416	PC-132	Analyzed by: ser
2811050417	FB-1	Analyzed by: ser

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Tronox LLC - Henderson
(continued)

2811050418	M-96	Analyzed by: ser
2811050419	PC-54	Analyzed by: ser
2811050420	I-AA	Analyzed by: ser
2811050421	M-66	Analyzed by: ser
2811050422	M-65	Analyzed by: ser
2811050423	M-64	Analyzed by: ser
2811050424	MD-3	Analyzed by: ser
2811050425	M-95	Analyzed by: ser

QC Ref #459546 - Hexavalent chromium (Cr VI) Analysis Date: 11/04/2008

2811050425	M-95	Analyzed by: azs

QC Ref #459638 - Total Dissolved Solid (TDS) Analysis Date: 11/06/2008

2811050411	PC-125	Analyzed by: yaa
2811050412	PC-126	Analyzed by: yaa
2811050413	PC-127	Analyzed by: yaa
2811050414	PC-128	Analyzed by: yaa
2811050415	PC-131	Analyzed by: yaa
2811050416	PC-132	Analyzed by: yaa
2811050417	FB-1	Analyzed by: yaa
2811050418	M-96	Analyzed by: yaa
2811050419	PC-54	Analyzed by: yaa
2811050420	I-AA	Analyzed by: yaa
2811050421	M-66	Analyzed by: yaa
2811050422	M-65	Analyzed by: yaa
2811050423	M-64	Analyzed by: yaa
2811050424	MD-3	Analyzed by: yaa
2811050425	M-95	Analyzed by: yaa

QC Ref #459683 - Total Dissolved Solid (TDS) Analysis Date: 11/06/2008

2811050409	PC-123	Analyzed by: yaa
2811050410	PC-124	Analyzed by: yaa

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Tronox LLC - Henderson
(continued)

QC Ref #460441 - Chromium, Total, ICAP **Analysis Date: 11/12/2008**

2811050409	PC-123	Analyzed by: csk
2811050410	PC-124	Analyzed by: csk

QC Ref #460442 - Chromium, Total, ICAP **Analysis Date: 11/12/2008**

2811050411	PC-125	Analyzed by: csk
2811050412	PC-126	Analyzed by: csk
2811050413	PC-127	Analyzed by: csk
2811050414	PC-128	Analyzed by: csk
2811050415	PC-131	Analyzed by: csk
2811050416	PC-132	Analyzed by: csk
2811050417	FB-1	Analyzed by: csk
2811050418	M-96	Analyzed by: csk
2811050419	PC-54	Analyzed by: csk
2811050420	I-AA	Analyzed by: csk
2811050421	M-66	Analyzed by: csk
2811050422	M-65	Analyzed by: csk
2811050423	M-64	Analyzed by: csk
2811050424	MD-3	Analyzed by: csk

QC Ref #460453 - Total Dissolved Solid (TDS) **Analysis Date: 11/12/2008**

2811050421	M-66	Analyzed by: yaa
2811050422	M-65	Analyzed by: yaa

QC Ref #461883 - Chromium, Total, ICAP **Analysis Date: 11/25/2008**

2811050425	M-95	Analyzed by: csk

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Laboratory
QC Report
#258305

Tronox LLC - Henderson

QC Ref #458931 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.67	7.59	UNIT		(0-20)	1.0

QC Ref #458932 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.71	7.70	UNIT		(0-20)	0.1

QC Ref #458935 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	6.97	6.99	UNIT		(0-20)	0.3

QC Ref #458936 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.61	7.61	UNIT		(0-20)	0.0

QC Ref #459354 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11050378	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS2	Perchlorate	25.0	24.3	UGL	97.2	(85-115)	
LCS3	Perchlorate	4	4.00	UGL	100.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	26.9	UGL	107.6	(80-120)	
MSD	Perchlorate	25.0	27.0	UGL	108.0	(80-120)	
RPD_LCS	Perchlorate	101.600	97.200	UGL	4.4	(0-15)	
RPD_MS	Perchlorate	107.600	108.000	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#258305

Tronox LLC - Henderson
(continued)

QC Ref #459355 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060037	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS2	Perchlorate	25.0	25.8	UGL	103.2	(85-115)	
LCS3	Perchlorate	4	4.04	UGL	101.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
MSD	Perchlorate	25.0	22.8	UGL	91.2	(80-120)	
RPD_LCS	Perchlorate	98.400	103.200	UGL	4.8	(0-15)	
RPD_MS	Perchlorate	100.800	91.200	UGL	0.9	(0-15)	

QC Ref #459546 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050425	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.052	MGL	104.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.057	MGL	114.0	(70-130)	

QC Ref #459638 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050411	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	6420	6520	MGL		(0-10)	1.5
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	93.714	96.000	MGL	2.4	(0-20)

QC Ref #459683 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050369	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	6080	6160	MGL		(0-10)	1.3
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	678	MGL	96.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	98.286	96.857	MGL	1.5	(0-20)	

QC Ref #460441 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050369	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0093	MGL	93.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.93	MGL	93.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	

QC Ref #460442 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050417	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0100	MGL	100.0	(50-150)
MS	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.74	MGL	74.0	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.74	MGL	74.0	(70-130)

QC Ref #460453 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070280	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	796	804	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	678	MGL	96.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	96.857	MGL	0.3	(0-20)	

QC Ref #461883 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11130258	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0102	MGL	102.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.976	MGL	97.6	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.985	MGL	98.5	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Nov 23 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258410
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 19 page[s].

MWH

BUILDING A BETTER WORLD

November 24, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258410

Enclosed is MWH Laboratories Report 258410

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 5, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Several samples were received past the 24 hour RCRA holding time for hexavalent chromium.

Results for M-79 are inconsistent with historical, but all parameters are different from historical data, suggesting that there is a change in the well.

The spiked sample for chromium could not be measured because the spike amount was much lower than the ambient level.

TDS blank recovery was low (negative value), but the LCS recovery was acceptable and all samples are more than 10X the absolute value of the blank level.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

258410

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JJ / JS

SAMPLE TEMP, RECEIPT AT LAB: 4°

BLUE ICE: FROZEN X PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling — Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order							SAMPLER Comments
542	11-4-08		PC-129	RGW	X		X	X	X	X											2 Bottles
557	11-4-08		PC-130	RGW	X		X	X	X	X											2 Bottles
628	11-4-08		PC-41	RGW	X		X	X	X	X											2 Bottles
641	11-4-08		PC-42	RGW	X		X	X	X	X											2 Bottles
654	11-4-08		PC-73	RGW	X		X	X	X	X											2 Bottles
617	11-4-08		M-44	RGW	X		X	X	X	X											2 Bottles
710	11-4-08		PC-37	RGW	X		X	X	X	X											2 Bottles
9:55	11-4-08		M-48	RGW	X		X	X	X	X											Bottles
—	11-4-08		M-23	RGW	X		X	X	X	X	NO SAMPLE										Bottles
—	11-4-08		MD-4	RGW	X		X	X	X	X											2 Bottles
751	11-4-08		M-59A	RGW	X		X	X	X	X											2 Bottles
955	11-4-08		EB-1	RGW	X		X	X	X	X	X										3 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-4-08	12:00PM
RECEIVED BY:	Jonathan Tripp	Jonathan Tripp	MWH	11/5/08	11:22AM
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JT / J.S.

SAMPLE TEMP, RECEIPT AT LAB: 4.7

BLUE ICE: FROZEN ___ PARTIALLY FROZEN X THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: KERRMCGEE-MP

PROJECT JOB # / P.O.#: Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
8:07	11-4-08	1	M-131	RGW	X		X	X	X	X					2 Bottles
8:20	11-4-08	1	M-79	RGW	X		X	X	X	X					2 Bottles
9:32	11-4-08	1	M-69	RGW	X		X	X	X	X					2 Bottles
8:47	11-4-08	1	M-135	RGW	X		X	X	X	X					2 Bottles
9:20	11-4-08	1	M-25	RGW	X		X	X	X	X					2 Bottles
11:00	11-4-08	1	M-39	RGW	X		X	X	X	X	X				3 Bottles
10:30	11-4-08	1	M-99	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-4-08	12:00PM
RECEIVED BY:	Jonathan Tripp	Jonathan Tripp	MWH	11/5/08	11:22am
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Week 1
Period

Andrew Eston ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 44952 33899 RS
0

Created by MWH
Order Date 09/15/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 -250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode | Status | Date Shipped | Carrier | Qty of Coolers | Tracking Number | Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258410
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/05/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811060290	PC-129	CLO4 CR6010	Water P PH9040	04-nov-2008 05:42:00 T TDS
2811060291	PC-130	CLO4 CR6010	Water P PH9040	04-nov-2008 05:57:00 T TDS
2811060292	PC-71	CLO4 CR6010	Water P PH9040	04-nov-2008 06:28:00 T TDS
2811060293	PC-72	CLO4 CR6010	Water P PH9040	04-nov-2008 06:41:00 T TDS
2811060294	PC-73	CLO4 CR6010	Water P PH9040	04-nov-2008 06:54:00 T TDS
2811060295	M-44	CLO4 CR6010	Water P PH9040	04-nov-2008 06:17:00 T TDS
2811060296	PC-37	CLO4 CR6010	Water P PH9040	04-nov-2008 07:10:00 T TDS
2811060297	M-48	CLO4 CR6010	Water P PH9040	04-nov-2008 09:55:00 T TDS
2811060298	MD-4	CLO4 CR6010	Water P PH9040	04-nov-2008 00:00:00 T TDS
2811060299	M-57A	CLO4 CR6010	Water P PH9040	04-nov-2008 07:51:00 T TDS
2811060300	EB-1	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	04-nov-2008 07:55:00
2811060302	M-131	CLO4 CR6010	Water P PH9040	04-nov-2008 08:07:00 T TDS
2811060308	M-79	CLO4 CR6010	Water P PH9040	04-nov-2008 08:20:00 T TDS
2811060309	M-69	CLO4 CR6010	Water P PH9040	04-nov-2008 08:36:00 T TDS
2811060310	M-135	CLO4 CR6010	Water P PH9040	04-nov-2008 08:47:00 T TDS
2811060311	M-25	CLO4 CR6010	Water P PH9040	04-nov-2008 09:20:00 T TDS

Tronox LLC - Henderson
PO Box 55
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Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258410
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811060313	M-37	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	04-nov-2008 11:00:00
2811060314	M-99	CLO4 CR6010 P PH9040 T TDS	Water	04-nov-2008 10:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#258410

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

Group Comments

(TDS) MB result was low; 2nd MRL_CHK recovered high. Data acceptable since other MRL_CHKs and LCSs are passing and only ND results or results greater than 10x MRL were reported.

(QC Ref#: 2811060300)

Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2811060311)

Test: Chromium, Total, ICAP (ML/EPA 6010B)

M3 - The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.

(QC Ref#: 2811060313)

Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

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Laboratory
Hits Report
#258410

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-nov-2008 11:27:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060290	**PC-129**				
11/12/08	Chromium, Total, ICAP		0.72		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		418000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		8340	500	mg/l	10
	2811060291	**PC-130**				
11/12/08	Chromium, Total, ICAP		0.74		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		453000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		6900	500	mg/l	10
	2811060292	**PC-71**				
11/12/08	Chromium, Total, ICAP		0.73		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		577000		ug/l	40000
11/11/08	Total Dissolved Solid (TDS)		8650	500	mg/l	10
	2811060293	**PC-72**				
11/12/08	Chromium, Total, ICAP		0.26		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/08/08	Perchlorate		287000		ug/l	20000
11/11/08	Total Dissolved Solid (TDS)		7040	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#258410

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-nov-2008 11:27:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060294	**PC-73**				
	2811060294	**PC-73**				
11/12/08	Chromium, Total, ICAP		0.39		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		339000		ug/l	20000
11/11/08	Total Dissolved Solid (TDS)		6560	500	mg/l	10
	2811060295	**M-44**				
11/13/08	Chromium, Total, ICAP		0.83		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		676000		ug/l	40000
11/11/08	Total Dissolved Solid (TDS)		8140	500	mg/l	10
	2811060296	**PC-37**				
11/13/08	Chromium, Total, ICAP		0.18		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/08/08	Perchlorate		316000		ug/l	20000
11/11/08	Total Dissolved Solid (TDS)		6640	500	mg/l	10
	2811060297	**M-48**				
11/13/08	Chromium, Total, ICAP		1.2		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010

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Laboratory
Hits Report
#258410

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-nov-2008 11:27:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060297	**M-48**				
11/11/08	Perchlorate		222000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		2940	500	mg/l	10
	2811060298	**MD-4**				
11/13/08	Chromium, Total, ICAP		0.46		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/08/08	Perchlorate		475000		ug/l	40000
11/10/08	Total Dissolved Solid (TDS)		7960	500	mg/l	10
	2811060299	**M-57A**				
11/13/08	Chromium, Total, ICAP		0.071		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/08/08	Perchlorate		26800		ug/l	2000
11/10/08	Total Dissolved Solid (TDS)		3120	500	mg/l	10
	2811060300	**EB-1**				
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		6.4		Units	0.0010
	2811060302	**M-131**				
11/13/08	Chromium, Total, ICAP		0.089		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/08/08	Perchlorate		62600		ug/l	4000

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Laboratory
Hits Report
#258410

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-nov-2008 11:22:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060302	**M-131**				
11/10/08	Total Dissolved Solid (TDS)		3170	500	mg/l	10
	2811060308	**M-79**				
11/13/08	Chromium, Total, ICAP		0.042		mg/l	0.010
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
11/11/08	Perchlorate		6380		ug/l	400
11/10/08	Total Dissolved Solid (TDS)		876	500	mg/l	10
	2811060309	**M-69**				
11/13/08	Chromium, Total, ICAP		0.14		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/11/08	Perchlorate		724000		ug/l	40000
11/10/08	Total Dissolved Solid (TDS)		4760	500	mg/l	10
	2811060310	**M-135**				
11/13/08	Chromium, Total, ICAP		0.078		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/08/08	Perchlorate		49700		ug/l	2000
11/10/08	Total Dissolved Solid (TDS)		3470	500	mg/l	10
	2811060311	**M-25**				
11/13/08	Chromium, Total, ICAP		12		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	

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Laboratory
Hits Report
#258410

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
05-nov-2008 11:22:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811060311	**M-25**				
11/05/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/08/08	Perchlorate		427000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		9400	500	mg/l	10
	2811060313	**M-37**				
11/13/08	Chromium, Total, ICAP		0.023		mg/l	0.020
11/07/08	Hexavalent chromium (Cr VI)		0.020		mg/l	0.0050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/09/08	Perchlorate		1770000		ug/l	200000
11/10/08	Total Dissolved Solid (TDS)		4600	500	mg/l	10
	2811060314	**M-99**				
11/13/08	Chromium, Total, ICAP		0.34		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/05/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/09/08	Perchlorate		327000		ug/l	40000
11/10/08	Total Dissolved Solid (TDS)		4350	500	mg/l	10

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Laboratory
Data Report
#258410

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/05/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-129 (2811060290) Sampled on 11/04/08 05:42								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	418000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.72	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8340	mg/l	10	1
PC-130 (2811060291) Sampled on 11/04/08 05:57								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	453000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.74	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6900	mg/l	10	1
PC-71 (2811060292) Sampled on 11/04/08 06:28								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	577000	ug/l	40000	10000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.73	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8650	mg/l	10	1
PC-72 (2811060293) Sampled on 11/04/08 06:41								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	287000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.26	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7040	mg/l	10	1

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Laboratory
Data Report
#258410

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-73 (2811060294)			**Sampled on 11/04/08 06:54**					
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	339000	ug/l	20000	5000
11/11/08	11/12/08 00:00	460442	(ML/EPA 6010B)	Chromium, Total, ICAP	0.39	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6560	mg/l	10	1
M-44 (2811060295)			**Sampled on 11/04/08 06:17**					
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	676000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.83	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8140	mg/l	10	1
PC-37 (2811060296)			**Sampled on 11/04/08 07:10**					
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	316000	ug/l	20000	5000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.18	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459232	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6640	mg/l	10	1
M-48 (2811060297)			**Sampled on 11/04/08 09:55**					
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	222000	ug/l	20000	5000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2940	mg/l	10	1
MD-4 (2811060298)			**Sampled on 11/04/08 00:00**					
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	475000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.46	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7960	mg/l	10	1

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Laboratory
Data Report
#258410

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-57A (2811060299) Sampled on 11/04/08 07:51								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	26800	ug/l	2000	500
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.071	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3120	mg/l	10	1
EB-1 (2811060300) Sampled on 11/04/08 07:55								
	11/08/08 06:59	459741	(EPA 314)	Perchlorate	ND	ug/l	4.0	1
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.4	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
M-131 (2811060302) Sampled on 11/04/08 08:07								
	11/08/08 18:34	459759	(EPA 314)	Perchlorate	62600	ug/l	4000	1000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.089	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3170	mg/l	10	1
M-79 (2811060308) Sampled on 11/04/08 08:20								
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	6380	ug/l	400	100
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.042	mg/l	0.010	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	876	mg/l	10	1

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Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-69 (2811060309) Sampled on 11/04/08 08:36								
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	724000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.14	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4760	mg/l	10	1
M-135 (2811060310) Sampled on 11/04/08 08:47								
	11/08/08 18:34	459759	(EPA 314)	Perchlorate	49700	ug/l	2000	500
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.078	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3470	mg/l	10	1
M-25 (2811060311) Sampled on 11/04/08 09:20								
	11/08/08 18:34	459759	(EPA 314)	Perchlorate	427000	ug/l	20000	5000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	12(M3)	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9400	mg/l	10	1
M-37 (2811060313) Sampled on 11/04/08 11:00								
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	1770000	ug/l	200000	50000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.023	mg/l	0.020	2
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.020(H3)	mg/l	0.0050	1
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459233	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4600	mg/l	10	1

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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-99 (2811060314)			**Sampled on 11/04/08 10:30**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	327000	ug/l	40000	10000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.34	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/05/08 00:00	459234	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/10/08	11/10/08 15:00	460146	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4350	mg/l	10	1

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QC Summary
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QC Ref #0 - Metals Turbidity **Analysis Date: 11/07/2008**

2811060290	PC-129	Analyzed by: jrf
2811060290	PC-129	Analyzed by: jrf
2811060291	PC-130	Analyzed by: jrf
2811060291	PC-130	Analyzed by: jrf
2811060292	PC-71	Analyzed by: jrf
2811060292	PC-71	Analyzed by: jrf
2811060293	PC-72	Analyzed by: jrf
2811060293	PC-72	Analyzed by: jrf
2811060294	PC-73	Analyzed by: jrf
2811060294	PC-73	Analyzed by: jrf
2811060295	M-44	Analyzed by: jrf
2811060295	M-44	Analyzed by: jrf
2811060296	PC-37	Analyzed by: jrf
2811060296	PC-37	Analyzed by: jrf
2811060297	M-48	Analyzed by: jrf
2811060297	M-48	Analyzed by: jrf
2811060298	MD-4	Analyzed by: jrf
2811060298	MD-4	Analyzed by: jrf
2811060299	M-57A	Analyzed by: jrf
2811060299	M-57A	Analyzed by: jrf
2811060300	EB-1	Analyzed by: jrf
2811060300	EB-1	Analyzed by: jrf
2811060302	M-131	Analyzed by: jrf
2811060302	M-131	Analyzed by: jrf
2811060308	M-79	Analyzed by: jrf
2811060308	M-79	Analyzed by: jrf
2811060309	M-69	Analyzed by: jrf
2811060309	M-69	Analyzed by: jrf
2811060310	M-135	Analyzed by: jrf
2811060310	M-135	Analyzed by: jrf
2811060311	M-25	Analyzed by: jrf
2811060311	M-25	Analyzed by: jrf
2811060313	M-37	Analyzed by: jrf
2811060313	M-37	Analyzed by: jrf
2811060314	M-99	Analyzed by: jrf
2811060314	M-99	Analyzed by: jrf

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QC Ref #459232 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811060296	PC-37	Analyzed by: sar

QC Ref #459233 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811060290	PC-129	Analyzed by: sar
2811060291	PC-130	Analyzed by: sar
2811060292	PC-71	Analyzed by: sar
2811060293	PC-72	Analyzed by: sar
2811060294	PC-73	Analyzed by: sar
2811060295	M-44	Analyzed by: sar
2811060297	M-48	Analyzed by: sar
2811060300	EB-1	Analyzed by: sar
2811060311	M-25	Analyzed by: sar
2811060313	M-37	Analyzed by: sar

QC Ref #459234 - PH (H3=past HT, not compliant) Analysis Date: 11/05/2008

2811060298	MD-4	Analyzed by: sar
2811060299	M-57A	Analyzed by: sar
2811060302	M-131	Analyzed by: sar
2811060308	M-79	Analyzed by: sar
2811060309	M-69	Analyzed by: sar
2811060310	M-135	Analyzed by: sar
2811060314	M-99	Analyzed by: sar

QC Ref #459545 - Hexavalent chromium (Cr VI) Analysis Date: 11/07/2008

2811060300	EB-1	Analyzed by: azs
2811060313	M-37	Analyzed by: azs

QC Ref #459741 - Perchlorate Analysis Date: 11/08/2008

2811060290	PC-129	Analyzed by: ser
2811060291	PC-130	Analyzed by: ser
2811060292	PC-71	Analyzed by: ser
2811060293	PC-72	Analyzed by: ser

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2811060294	PC-73	Analyzed by: ser
2811060295	M-44	Analyzed by: ser
2811060296	PC-37	Analyzed by: ser
2811060298	MD-4	Analyzed by: ser
2811060299	M-57A	Analyzed by: ser
2811060300	EB-1	Analyzed by: ser

QC Ref #459759 - Perchlorate **Analysis Date: 11/08/2008**

2811060302	M-131	Analyzed by: ser
2811060310	M-135	Analyzed by: ser
2811060311	M-25	Analyzed by: ser
2811060313	M-37	Analyzed by: ser
2811060314	M-99	Analyzed by: ser

QC Ref #460120 - Perchlorate **Analysis Date: 11/11/2008**

2811060297	M-48	Analyzed by: ser
2811060308	M-79	Analyzed by: ser
2811060309	M-69	Analyzed by: ser

QC Ref #460146 - Total Dissolved Solid (TDS) **Analysis Date: 11/10/2008**

2811060290	PC-129	Analyzed by: yaa
2811060291	PC-130	Analyzed by: yaa
2811060297	M-48	Analyzed by: yaa
2811060298	MD-4	Analyzed by: yaa
2811060299	M-57A	Analyzed by: yaa
2811060300	EB-1	Analyzed by: yaa
2811060302	M-131	Analyzed by: yaa
2811060308	M-79	Analyzed by: yaa
2811060309	M-69	Analyzed by: yaa
2811060310	M-135	Analyzed by: yaa
2811060311	M-25	Analyzed by: yaa
2811060313	M-37	Analyzed by: yaa
2811060314	M-99	Analyzed by: yaa

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QC Ref #460442 - Chromium, Total, ICAP **Analysis Date: 11/12/2008**

2811060290	PC-129	Analyzed by: csk
2811060291	PC-130	Analyzed by: csk
2811060292	PC-71	Analyzed by: csk
2811060293	PC-72	Analyzed by: csk
2811060294	PC-73	Analyzed by: csk

QC Ref #460443 - Chromium, Total, ICAP **Analysis Date: 11/13/2008**

2811060295	M-44	Analyzed by: csk
2811060296	PC-37	Analyzed by: csk
2811060297	M-48	Analyzed by: csk
2811060298	MD-4	Analyzed by: csk
2811060299	M-57A	Analyzed by: csk
2811060300	EB-1	Analyzed by: csk
2811060302	M-131	Analyzed by: csk
2811060308	M-79	Analyzed by: csk
2811060309	M-69	Analyzed by: csk
2811060310	M-135	Analyzed by: csk
2811060311	M-25	Analyzed by: csk
2811060313	M-37	Analyzed by: csk
2811060314	M-99	Analyzed by: csk

QC Ref #460481 - Total Dissolved Solid (TDS) **Analysis Date: 11/11/2008**

2811060292	PC-71	Analyzed by: yaa
2811060293	PC-72	Analyzed by: yaa
2811060294	PC-73	Analyzed by: yaa
2811060295	M-44	Analyzed by: yaa
2811060296	PC-37	Analyzed by: yaa

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QC Ref #459232 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.50	7.52	UNIT		(0-20)	0.3

QC Ref #459233 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.53	7.54	UNIT		(0-20)	0.1

QC Ref #459234 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.70	7.69	UNIT		(0-20)	0.1

QC Ref #459545 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060300	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.055	MGL	110.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.053	MGL	106.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.057	MGL	114.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	

QC Ref #459741 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060036	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.6	UGL	98.4	(85-115)	
LCS2	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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LCS3	Perchlorate	4	4.91	UGL	122.8	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	24.1	UGL	96.4	(80-120)
MSD	Perchlorate	25.0	22.3	UGL	89.2	(80-120)
RPD_LCS	Perchlorate	98.400	98.000	UGL	0.4	(0-15)
RPD_MS	Perchlorate	96.400	89.200	UGL	0.9	(0-15)

QC Ref #459759 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060302	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	3.30	UGL	82.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.8	UGL	103.2	(80-120)	
MSD	Perchlorate	25.0	26.2	UGL	104.8	(80-120)	
RPD_LCS	Perchlorate	101.600	104.000	UGL	2.3	(0-15)	
RPD_MS	Perchlorate	103.200	104.800	UGL	1.0	(0-15)	

QC Ref #460120 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070075	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.2	UGL	104.8	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	4.34	UGL	108.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.6	UGL	98.4	(80-120)	
MSD	Perchlorate	25.0	24.3	UGL	97.2	(80-120)	
RPD_LCS	Perchlorate	104.800	104.000	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	98.400	97.200	UGL	1.0	(0-15)	

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QC Ref #460146 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060299	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	3170	3120	MGL		(0-10)	1.6
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	690	MGL	98.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	98.286	98.571	MGL	0.3	(0-20)	

QC Ref #460442 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11050417	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0100	MGL	100.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	0.74	MGL	74.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.99	MGL	99.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	0.74	MGL	74.0	(70-130)	

QC Ref #460443 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060308	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0096	MGL	96.0	(50-150)	

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MS	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.857	MGL	85.7	(70-130)
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.709	MGL	70.9	(70-130)

QC Ref #460481 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060295	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	8190	8140	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	674	MGL	96.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	92.571	96.286	MGL	3.9	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Dec 01 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258563
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 25 page[s].

MWH

BUILDING A BETTER WORLD

December 1, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258563

Enclosed is MWH Laboratories Report 258563

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 06, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

The method blank for TDS exceeded specifications. Samples were flagged with a "B" flag. Results were used because concentrations exceeded 10X the blank.

Several samples for hexavalent chromium were received and analyzed past the RCRA 24 hour holding time.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626.386-1100
FAX 626.386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

258563

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JT/SS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN X PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
535	11-5-08		M-92	RGW	X		X	X	X	X					2 Bottles
548	11-5-08		M-97	RGW	X		X	X	X	X					2 Bottles
923	11-5-08		M-31A	RGW	X		X	X	X	X					2 Bottles
934	11-5-08		M-52	RGW	X		X	X	X	X					2 Bottles
955	11-5-08		M-50	RGW	X		X	X	X	X					2 Bottles
1010	11-5-08		M-34	RGW	X		X	X	X	X					2 Bottles
1025	11-5-08		M-35	RGW	X		X	X	X	X					2 Bottles
1038	11-5-08		M-19	RGW	X		X	X	X	X					2 Bottles
1056	11-5-08		M-39	RGW	X		X	X	X	X					2 Bottles
1107	11-5-08		M-28	RGW	X		X	X	X	X					2 Bottles
1118	11-5-08		M-61	RGW	X		X	X	X	X					2 Bottles
1140	11-5-08		I-K	RGW	X		X	X	X	X					2 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-5-08	12:00PM
RECEIVED BY:	Jon Tripp	Jon Tripp	MWH	11/6/08	15:50
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JT/DS

SAMPLE TEMP, RECEIPT AT LAB: 3

BLUE ICE: FROZEN Y PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown
Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
750	11-5-08		I-J	RGW	X		X	X	X	X					2 Bottles
800	11-5-08		I-2	RGW	X		X	X	X	X					2 Bottles
808	11-5-08		I-I	RGW	X		X	X	X	X					2 Bottles
726	11-5-08		I-V	RGW	X		X	X	X	X					2 Bottles
1128	11-5-08		M-84	RGW	X		X	X	X	X	X				3 Bottles
118	11-5-08		M-10	RGW	X		X	X	X	X	X				3 Bottles
1000	11-5-08		EB-2	RGW	X		X	X	X	X	X				3 Bottles
1215	11-5-08		M-11	RGW	X		X	X	X	X	X				3 Bottles
			MD-1	RGW	X		X	X	X	X	X				3 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-5-08	12:00PM
RECEIVED BY:	Jon Tripp	Jon Tripp	MWH	11/6/08	15:50
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Period
Week 1

Andrew Eaton ..... **Your MWL Project Manager**
(626) 386-1125 ..... **Direct Phone/Voice Mail**

SO# **44952** 33899 **RS**
0

Sampler: Please Return this Paper with your samples

Created by **MWH**
Order Date **09/15/08**
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

E

CLS080108/21/24

Ship Date: 05NOV08
ActWgt: 30 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

Ref # MSO #143427
Invoice #
PO #
Dept #

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

TRK# 0201 7901 2942 0918

THU - 06NOV A2
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
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MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258563
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/06/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811070244	M-92		Water	05-nov-2008 05:35:00
		CLO4 CR6010 P PH9040 T TDS		
2811070246	M-97		Water	05-nov-2008 05:48:00
		CLO4 CR6010 P PH9040 T TDS		
2811070247	M-31A		Water	05-nov-2008 09:23:00
		CLO4 CR6010 P PH9040 T TDS		
2811070248	M-52		Water	05-nov-2008 09:34:00
		CLO4 CR6010 P PH9040 T TDS		
2811070249	M-50		Water	05-nov-2008 09:55:00
		CLO4 CR6010 P PH9040 T TDS		
2811070250	M-34		Water	05-nov-2008 10:10:00
		CLO4 CR6010 P PH9040 T TDS		
2811070251	M-35		Water	05-nov-2008 10:25:00
		CLO4 CR6010 P PH9040 T TDS		
2811070252	M-19		Water	05-nov-2008 10:38:00
		CLO4 CR6010 P PH9040 T TDS		
2811070253	M-39		Water	05-nov-2008 10:56:00
		CLO4 CR6010 P PH9040 T TDS		
2811070254	M-68		Water	05-nov-2008 11:07:00
		CLO4 CR6010 P PH9040 T TDS		
2811070255	M-61		Water	05-nov-2008 11:18:00
		CLO4 CR6010 P PH9040 T TDS		
2811070256	I-K		Water	05-nov-2008 07:40:00
		CLO4 CR6010 P PH9040 T TDS		
2811070257	I-J		Water	05-nov-2008 07:50:00
		CLO4 CR6010 P PH9040 T TDS		
2811070258	I-Z		Water	05-nov-2008 08:00:00
		CLO4 CR6010 P PH9040 T TDS		
2811070259	I-I		Water	05-nov-2008 08:08:00
		CLO4 CR6010 P PH9040 T TDS		
2811070260	I-V		Water	05-nov-2008 07:26:00
		CLO4 CR6010 P PH9040 T TDS		
2811070261	M-84		Water	05-nov-2008 11:28:00
		CLO4 CR6010 CRVI7196 P PH9040 T		

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258563
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811070261	M-84 (con't)	TDS		
2811070264	M-10	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	05-nov-2008 13:18:00
2811070265	EB-2	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	05-nov-2008 10:00:00
2811070266	M-11	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	05-nov-2008 12:15:00
2811070273	MD-1	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	05-nov-2008 00:00:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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1 800 566 LABS (1 800 566 5227)

Report
Comments
#258563

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2811070244)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811070246)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811070256)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811070257)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811070258)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above

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method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811070259)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811070260)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811070261)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2811070264)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2811070265)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2811070266)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2811070273)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)

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H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

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Laboratory
Hits Report
#258563

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-nov-2008 15:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811070244	M-92				
11/11/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
11/09/08	Perchlorate		884		ug/l	40
11/10/08	Total Dissolved Solid (TDS)		1970	500	mg/l	10
	2811070246	M-97				
11/13/08	Chromium, Total, ICAP		0.039		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/09/08	Perchlorate		74400		ug/l	4000
11/10/08	Total Dissolved Solid (TDS)		3560	500	mg/l	10
	2811070247	M-31A				
11/13/08	Chromium, Total, ICAP		11		mg/l	0.050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/12/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/09/08	Perchlorate		1310000		ug/l	80000
11/11/08	Total Dissolved Solid (TDS)		8490	500	mg/l	10
	2811070248	M-52				
11/13/08	Chromium, Total, ICAP		6.3		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/09/08	Perchlorate		940000		ug/l	80000
11/11/08	Total Dissolved Solid (TDS)		7560	500	mg/l	10
	2811070249	M-50				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#258563

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-nov-2008 15:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811070249	**M-50**				
11/13/08	Chromium, Total, ICAP		32		mg/l	0.10
11/11/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/09/08	Perchlorate		1070000		ug/l	80000
11/11/08	Total Dissolved Solid (TDS)		16100	500	mg/l	10
	2811070250	**M-34**				
11/13/08	Chromium, Total, ICAP		14		mg/l	0.050
11/11/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/09/08	Perchlorate		1450000		ug/l	80000
11/11/08	Total Dissolved Solid (TDS)		9640	500	mg/l	10
	2811070251	**M-35**				
11/13/08	Chromium, Total, ICAP		6.5		mg/l	0.020
11/11/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/09/08	Perchlorate		275000		ug/l	20000
11/11/08	Total Dissolved Solid (TDS)		5540	500	mg/l	10
	2811070252	**M-19**				
11/19/08	Chromium, Total, ICAP		0.52		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/12/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
11/09/08	Perchlorate		2520		ug/l	200
11/11/08	Total Dissolved Solid (TDS)		5040	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#258563

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-nov-2008 15:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811070252	M-19				
	2811070253	M-39				
11/19/08	Chromium, Total, ICAP		5.7		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/11/08	Perchlorate		458000		ug/l	40000
11/11/08	Total Dissolved Solid (TDS)		7790	500	mg/l	10
	2811070254	M-68				
11/19/08	Chromium, Total, ICAP		1.2		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/09/08	Perchlorate		79200		ug/l	4000
11/11/08	Total Dissolved Solid (TDS)		5920	500	mg/l	10
	2811070255	M-61				
11/19/08	Chromium, Total, ICAP		1.6		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/11/08	Perchlorate		115000		ug/l	8000
11/11/08	Total Dissolved Solid (TDS)		5890	500	mg/l	10
	2811070256	I-K				
11/19/08	Chromium, Total, ICAP		1.4		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/12/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010

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Laboratory
Hits Report
#258563

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-nov-2008 15:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811070256	**I-K**				
11/09/08	Perchlorate		93700		ug/l	4000
11/10/08	Total Dissolved Solid (TDS)		5950	500	mg/l	10
	2811070257	**I-J**				
11/19/08	Chromium, Total, ICAP		3.3		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/12/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/09/08	Perchlorate		257000		ug/l	20000
11/10/08	Total Dissolved Solid (TDS)		6540	500	mg/l	10
	2811070258	**I-Z**				
11/19/08	Chromium, Total, ICAP		12		mg/l	0.050
11/18/08	Metals digestion performed.		Y		Yes/No	
11/12/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/12/08	Perchlorate		534000		ug/l	40000
11/10/08	Total Dissolved Solid (TDS)		9390	500	mg/l	10
	2811070259	**I-I**				
11/19/08	Chromium, Total, ICAP		23		mg/l	0.050
11/18/08	Metals digestion performed.		Y		Yes/No	
11/12/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/12/08	Perchlorate		1070000		ug/l	80000
11/10/08	Total Dissolved Solid (TDS)		13100	500	mg/l	10
	2811070260	**I-V**				
11/19/08	Chromium, Total, ICAP		24		mg/l	0.050

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Laboratory
Hits Report
#258563

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-nov-2008 15:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811070260	I-V				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/12/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/12/08	Perchlorate		1840000		ug/l	80000
11/10/08	Total Dissolved Solid (TDS)		14800	500	mg/l	10
	2811070261	M-84				
11/19/08	Chromium, Total, ICAP		0.066		mg/l	0.020
11/07/08	Hexavalent chromium (Cr VI)		0.056		mg/l	0.0050
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
11/20/08	Perchlorate		8930		ug/l	800
11/11/08	Total Dissolved Solid (TDS)		1020	500	mg/l	10
	2811070264	M-10				
11/19/08	Chromium, Total, ICAP		0.84		mg/l	0.010
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/20/08	Perchlorate		23600		ug/l	2000
11/11/08	Total Dissolved Solid (TDS)		3080	500	mg/l	10
	2811070265	EB-2				
11/07/08	Hexavalent chromium (Cr VI)		0.017		mg/l	0.0050
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		6.1		Units	0.0010
11/20/08	Perchlorate		127		ug/l	8.0
	2811070266	M-11				

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Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-nov-2008 15:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811070266	M-11				
11/19/08	Chromium, Total, ICAP		3.6		mg/l	0.020
11/07/08	Hexavalent chromium (Cr VI)		3.38		mg/l	0.10
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
11/21/08	Perchlorate		50400		ug/l	4000
11/11/08	Total Dissolved Solid (TDS)		3520	500	mg/l	10
	2811070273	MD-1				
11/19/08	Chromium, Total, ICAP		3.7		mg/l	0.020
11/07/08	Hexavalent chromium (Cr VI)		3.58		mg/l	0.10
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
11/14/08	Perchlorate		48900		ug/l	4000
11/10/08	Total Dissolved Solid (TDS)		3620	500	mg/l	10

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Data Report
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Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/06/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-92 (2811070244)			**Sampled on 11/05/08 05:35**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	884	ug/l	40	10
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1970(B7)	mg/l	10	1
M-97 (2811070246)			**Sampled on 11/05/08 05:48**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	74400	ug/l	4000	1000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	0.039	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3560(B7)	mg/l	10	1
M-31A (2811070247)			**Sampled on 11/05/08 09:23**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	1310000	ug/l	80000	20000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	11	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/08 00:00	460153	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8490	mg/l	10	1
M-52 (2811070248)			**Sampled on 11/05/08 09:34**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	940000	ug/l	80000	20000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	6.3	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7560	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-50 (2811070249) Sampled on 11/05/08 09:55								
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	1070000	ug/l	80000	20000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	32	mg/l	0.10	10
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16100	mg/l	10	1
M-34 (2811070250) Sampled on 11/05/08 10:10								
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	1450000	ug/l	80000	20000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	14	mg/l	0.050	5
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9640	mg/l	10	1
M-35 (2811070251) Sampled on 11/05/08 10:25								
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	275000	ug/l	20000	5000
11/11/08	11/13/08 00:00	460443	(ML/EPA 6010B)	Chromium, Total, ICAP	6.5	mg/l	0.020	2
	11/11/08 20:36		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5540	mg/l	10	1
M-19 (2811070252) Sampled on 11/05/08 10:38								
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	2520	ug/l	200	50
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.52	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/08 00:00	460153	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5040	mg/l	10	1
M-39 (2811070253) Sampled on 11/05/08 10:56								
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	458000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	5.7	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7790	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-68 (2811070254)			**Sampled on 11/05/08 11:07**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	79200	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	1.2	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5920	mg/l	10	1
M-61 (2811070255)			**Sampled on 11/05/08 11:18**					
	11/11/08 18:02	460120	(EPA 314)	Perchlorate	115000	ug/l	8000	2000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	1.6	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459612	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/11/08	11/11/08 17:00	460490	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5890	mg/l	10	1
I-K (2811070256)			**Sampled on 11/05/08 07:40**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	93700	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	1.4	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/08 00:00	460153	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5950(B7)	mg/l	10	1
I-J (2811070257)			**Sampled on 11/05/08 07:50**					
	11/09/08 00:00	459759	(EPA 314)	Perchlorate	257000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	3.3	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/08 00:00	460153	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6540(B7)	mg/l	10	1
I-Z (2811070258)			**Sampled on 11/05/08 08:00**					
	11/12/08 18:02	460120	(EPA 314)	Perchlorate	534000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	12	mg/l	0.050	5
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/08 00:00	460153	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9390(B7)	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
I-I (2811070259)			**Sampled on 11/05/08 08:08**					
	11/12/08 14:11	460212	(EPA 314)	Perchlorate	1070000	ug/l	80000	20000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	23	mg/l	0.050	5
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/08 00:00	460153	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	13100(B7)	mg/l	10	1
I-V (2811070260)			**Sampled on 11/05/08 07:26**					
	11/12/08 14:11	460212	(EPA 314)	Perchlorate	1840000	ug/l	80000	20000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	24	mg/l	0.050	5
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/12/08 00:00	460153	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	14800(B7)	mg/l	10	1
M-84 (2811070261)			**Sampled on 11/05/08 11:28**					
	11/20/08 00:00	461338	(EPA 314)	Perchlorate	8930	ug/l	800	200
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.066	mg/l	0.020	2
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.056(H3)	mg/l	0.0050	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459614	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/11/08	11/11/08 17:00	460490	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1020	mg/l	10	1
M-10 (2811070264)			**Sampled on 11/05/08 13:18**					
	11/20/08 00:00	461338	(EPA 314)	Perchlorate	23600	ug/l	2000	500
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.84	mg/l	0.010	1
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459614	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/11/08	11/11/08 17:00	460490	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3080	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
EB-2 (2811070265) Sampled on 11/05/08 10:00								
	11/20/08 00:00	461338	(EPA 314)	Perchlorate	127	ug/l	8.0	2
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.017(H3)	mg/l	0.0050	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459614	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	6.1	Units	0.0010	1
11/11/08	11/11/08 16:00	460481	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	ND	mg/l	10	1
M-11 (2811070266) Sampled on 11/05/08 12:15								
	11/21/08 13:56	461391	(EPA 314)	Perchlorate	50400	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	3.6	mg/l	0.020	2
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	3.38(H3)	mg/l	0.10	20
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459614	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/11/08	11/11/08 17:00	460490	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3520	mg/l	10	1
MD-1 (2811070273) Sampled on 11/05/08 00:00								
	11/14/08 02:01	460381	(EPA 314)	Perchlorate	48900	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	3.7	mg/l	0.020	2
	11/07/08 14:04	459545	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	3.58(H3)	mg/l	0.10	20
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459614	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/10/08	11/10/08 17:00	460128	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3620(B7)	mg/l	10	1

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QC Summary
#258563

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QC Ref #0 - Metals sample pH **Analysis Date: 11/10/2008**

2811070244	M-92	Analyzed by: jrf
2811070244	M-92	Analyzed by: jrf
2811070246	M-97	Analyzed by: jrf
2811070246	M-97	Analyzed by: jrf
2811070247	M-31A	Analyzed by: jrf
2811070247	M-31A	Analyzed by: jrf
2811070248	M-52	Analyzed by: jrf
2811070248	M-52	Analyzed by: jrf
2811070249	M-50	Analyzed by: jrf
2811070249	M-50	Analyzed by: jrf
2811070250	M-34	Analyzed by: jrf
2811070250	M-34	Analyzed by: jrf
2811070251	M-35	Analyzed by: jrf
2811070251	M-35	Analyzed by: jrf
2811070252	M-19	Analyzed by: jrf
2811070252	M-19	Analyzed by: jrf
2811070253	M-39	Analyzed by: jrf
2811070253	M-39	Analyzed by: jrf
2811070254	M-68	Analyzed by: jrf
2811070254	M-68	Analyzed by: jrf
2811070255	M-61	Analyzed by: jrf
2811070255	M-61	Analyzed by: jrf
2811070256	I-K	Analyzed by: jrf
2811070256	I-K	Analyzed by: jrf
2811070257	I-J	Analyzed by: jrf
2811070257	I-J	Analyzed by: jrf
2811070258	I-Z	Analyzed by: jrf
2811070258	I-Z	Analyzed by: jrf
2811070259	I-I	Analyzed by: jrf
2811070259	I-I	Analyzed by: jrf
2811070260	I-V	Analyzed by: jrf
2811070260	I-V	Analyzed by: jrf
2811070260	I-V	Analyzed by: maria
2811070261	M-84	Analyzed by: jrf
2811070261	M-84	Analyzed by: jrf
2811070264	M-10	Analyzed by: jrf
2811070264	M-10	Analyzed by: jrf
2811070265	EB-2	Analyzed by: jrf
2811070265	EB-2	Analyzed by: jrf
2811070266	M-11	Analyzed by: jrf
2811070266	M-11	Analyzed by: jrf
2811070273	MD-1	Analyzed by: jrf
2811070273	MD-1	Analyzed by: jrf

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QC Ref #459545 - Hexavalent chromium (Cr VI) Analysis Date: 11/07/2008

2811070261	M-84	Analyzed by: azs
2811070264	M-10	Analyzed by: azs
2811070265	EB-2	Analyzed by: azs
2811070266	M-11	Analyzed by: azs
2811070273	MD-1	Analyzed by: azs

QC Ref #459612 - PH (H3=past HT, not compliant) Analysis Date: 11/07/2008

2811070244	M-92	Analyzed by: sar
2811070246	M-97	Analyzed by: sar
2811070248	M-52	Analyzed by: sar
2811070249	M-50	Analyzed by: sar
2811070250	M-34	Analyzed by: sar
2811070251	M-35	Analyzed by: sar
2811070253	M-39	Analyzed by: sar
2811070254	M-68	Analyzed by: sar
2811070255	M-61	Analyzed by: sar

QC Ref #459614 - PH (H3=past HT, not compliant) Analysis Date: 11/07/2008

2811070261	M-84	Analyzed by: sar
2811070264	M-10	Analyzed by: sar
2811070265	EB-2	Analyzed by: sar
2811070266	M-11	Analyzed by: sar
2811070273	MD-1	Analyzed by: sar

QC Ref #459759 - Perchlorate Analysis Date: 11/09/2008

2811070244	M-92	Analyzed by: ser
2811070246	M-97	Analyzed by: ser
2811070247	M-31A	Analyzed by: ser
2811070248	M-52	Analyzed by: ser
2811070249	M-50	Analyzed by: ser
2811070250	M-34	Analyzed by: ser
2811070251	M-35	Analyzed by: ser
2811070252	M-19	Analyzed by: ser
2811070254	M-68	Analyzed by: ser

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(continued)

2811070256	I-K	Analyzed by: ser
2811070257	I-J	Analyzed by: ser

QC Ref #460120 - Perchlorate **Analysis Date: 11/11/2008**

2811070253	M-39	Analyzed by: ser
2811070255	M-61	Analyzed by: ser
2811070258	I-Z	Analyzed by: ser

QC Ref #460128 - Total Dissolved Solid (TDS) **Analysis Date: 11/10/2008**

2811070244	M-92	Analyzed by: yaa
2811070246	M-97	Analyzed by: yaa
2811070256	I-K	Analyzed by: yaa
2811070257	I-J	Analyzed by: yaa
2811070258	I-Z	Analyzed by: yaa
2811070259	I-I	Analyzed by: yaa
2811070260	I-V	Analyzed by: yaa
2811070273	MD-1	Analyzed by: yaa

QC Ref #460153 - PH (H3=past HT, not compliant) **Analysis Date: 11/12/2008**

2811070247	M-31A	Analyzed by: sar
2811070252	M-19	Analyzed by: sar
2811070256	I-K	Analyzed by: sar
2811070257	I-J	Analyzed by: sar
2811070258	I-Z	Analyzed by: sar
2811070259	I-I	Analyzed by: sar
2811070260	I-V	Analyzed by: sar

QC Ref #460212 - Perchlorate **Analysis Date: 11/12/2008**

2811070259	I-I	Analyzed by: ser
2811070260	I-V	Analyzed by: ser

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Tronox LLC - Henderson
(continued)

QC Ref #460381 - Perchlorate **Analysis Date: 11/14/2008**

2811070273	MD-1	Analyzed by: ser

QC Ref #460443 - Chromium, Total, ICAP **Analysis Date: 11/13/2008**

2811070244	M-92	Analyzed by: csk
2811070246	M-97	Analyzed by: csk
2811070247	M-31A	Analyzed by: csk
2811070248	M-52	Analyzed by: csk
2811070249	M-50	Analyzed by: csk
2811070250	M-34	Analyzed by: csk
2811070251	M-35	Analyzed by: csk

QC Ref #460481 - Total Dissolved Solid (TDS) **Analysis Date: 11/11/2008**

2811070247	M-31A	Analyzed by: yaa
2811070248	M-52	Analyzed by: yaa
2811070249	M-50	Analyzed by: yaa
2811070250	M-34	Analyzed by: yaa
2811070251	M-35	Analyzed by: yaa
2811070252	M-19	Analyzed by: yaa
2811070253	M-39	Analyzed by: yaa
2811070254	M-68	Analyzed by: yaa
2811070265	EB-2	Analyzed by: yaa

QC Ref #460490 - Total Dissolved Solid (TDS) **Analysis Date: 11/11/2008**

2811070255	M-61	Analyzed by: yaa
2811070261	M-84	Analyzed by: yaa
2811070264	M-10	Analyzed by: yaa
2811070266	M-11	Analyzed by: yaa

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Tronox LLC - Henderson
(continued)

QC Ref #461190 - Chromium, Total, ICAP **Analysis Date: 11/19/2008**

2811070252	M-19	Analyzed by: csk
2811070253	M-39	Analyzed by: csk
2811070254	M-68	Analyzed by: csk
2811070255	M-61	Analyzed by: csk
2811070256	I-K	Analyzed by: csk
2811070257	I-J	Analyzed by: csk
2811070258	I-Z	Analyzed by: csk
2811070259	I-I	Analyzed by: csk
2811070260	I-V	Analyzed by: csk
2811070261	M-84	Analyzed by: csk
2811070264	M-10	Analyzed by: csk
2811070265	EB-2	Analyzed by: csk
2811070266	M-11	Analyzed by: csk
2811070273	MD-1	Analyzed by: csk

QC Ref #461338 - Perchlorate **Analysis Date: 11/20/2008**

2811070261	M-84	Analyzed by: ser
2811070264	M-10	Analyzed by: ser
2811070265	EB-2	Analyzed by: ser

QC Ref #461391 - Perchlorate **Analysis Date: 11/21/2008**

2811070266	M-11	Analyzed by: ser

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QC Ref #459545 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060300	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.055	MGL	110.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.053	MGL	106.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.057	MGL	114.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.056	MGL	112.0	(70-130)	

QC Ref #459612 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	8.12	8.13	UNIT		(0-20)	0.1

QC Ref #459614 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.66	7.66	UNIT		(0-20)	0.0

QC Ref #459759 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060302	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	3.30	UGL	82.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.8	UGL	103.2	(80-120)	
MSD	Perchlorate	25.0	26.2	UGL	104.8	(80-120)	
RPD_LCS	Perchlorate	101.600	104.000	UGL	2.3	(0-15)	
RPD_MS	Perchlorate	103.200	104.800	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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QC Ref #460120 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070075	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.2	UGL	104.8	(85-115)	
LCS2	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS3	Perchlorate	4	4.34	UGL	108.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.6	UGL	98.4	(80-120)	
MSD	Perchlorate	25.0	24.3	UGL	97.2	(80-120)	
RPD_LCS	Perchlorate	104.800	104.000	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	98.400	97.200	UGL	1.0	(0-15)	

QC Ref #460128 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070095	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	46	47	MGL		(0-10)	2.2
LCS1	Total Dissolved Solid (TDS)	175	176	MGL	100.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	688	MGL	98.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	14	MGL	0.0		
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	100.571	98.286	MGL	2.3	(0-20)	

QC Ref #460153 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.61	7.61	UNIT		(0-20)	0.0

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(continued)

QC Ref #460212 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060417	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS2	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	
LCS3	Perchlorate	4	3.95	UGL	98.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	101.200	99.600	UGL	1.6	(0-15)	
RPD_MS	Perchlorate	96.000	99.600	UGL	1.0	(0-15)	

QC Ref #460381 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11120337	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS3	Perchlorate	4	3.92	UGL	98.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
MSD	Perchlorate	25.0	26.0	UGL	104.0	(80-120)	
RPD_LCS	Perchlorate	100.000	100.800	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	97.600	104.000	UGL	1.1	(0-15)	

QC Ref #460443 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060308	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.04	MGL	104.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	

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MBLK	Chromium, Total, ICAP	ND	<0.010	MGL		
MRL_CHK	Chromium, Total, ICAP	0.010	0.0096	MGL	96.0	(50-150)
MS	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)
MS2	Chromium, Total, ICAP	1.00	0.857	MGL	85.7	(70-130)
MSD	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	0.709	MGL	70.9	(70-130)

QC Ref #460481 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060295	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	8190	8140	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	674	MGL	96.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	92.571	96.286	MGL	3.9	(0-20)	

QC Ref #460490 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11060449	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	222	212	MGL		(0-10)	4.6
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	662	MGL	94.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	93.714	94.571	MGL	0.9	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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QC Ref #461190 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070264	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0111	MGL	111.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(70-130)	

QC Ref #461338 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070294	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.8	UGL	107.2	(85-115)	
LCS2	Perchlorate	25.0	25.9	UGL	103.6	(85-115)	
LCS3	Perchlorate	4	4.64	UGL	116.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.7	UGL	98.8	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	107.200	103.600	UGL	3.4	(0-15)	
RPD_MS	Perchlorate	98.800	96.000	UGL	1.0	(0-15)	

QC Ref #461391 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11190340	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS2	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	

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LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	22.4	UGL	89.6	(80-120)
MSD	Perchlorate	25.0	22.9	UGL	91.6	(80-120)
RPD_LCS	Perchlorate	100.800	99.600	UGL	1.2	(0-15)
RPD_MS	Perchlorate	89.600	91.600	UGL	1.0	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

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DATE OF ISSUE
Nov 21 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258572
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 9 page[s].

MWH

BUILDING A BETTER WORLD

November 21, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258572

Enclosed is MWH Laboratories Report 258572

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on October 28, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

RPD on the TDS duplicate was not within limits, however results matched historical.

Ion chromatography analyses do not show actual analysis time for samples with holding times of >72 hours. Instead they show the time of first injection on a batch or 00:00.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

256572

750 Royal Oaks dr. Suite 100 Monrovia, Ca., 91016-3629

(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JTAS

SAMPLE TEMP, RECEIPT AT LAB: 3°C

BLUE ICE: FROZEN X PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	CLO4

Sampler Signature: Michele Brown

Sampler (print): Michele Brown (702) 651-2254

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for sets)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	see bottle order	SAMPLER COMMENTS
1:16 AM	11/5/2008		M-10	RSW	X		X	

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11/5/2008	12:00 PM
RECEIVED BY:			MWH	11/6/08	19:42
RELINQUISHED BY:					
RECEIVED BY:					

COC#

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

44790

Client Code KERRMCGEE-MP Q Quarterly Period

Project Code CLO4

PO# : Job#

Blanket PO

Andrew Eaton Your MWL Project Manager

(626) 386-1125 Direct Phone/Voice Mail

SO# 44790 RS

MWH 0

Sampler: Please Return this Paper with your samples

Ship Sample Kits to

Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to

Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address

Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#

MWH

SHIP LOCATION

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
	CR, MN, FE, B	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN2031	This is a quarterly sample for the M-10 by the NPDES permit NV0023060
	TDS, NO3, NO2 N, N-INOR	1 500 ml poly, no preservative **SHORT HOLDING TIME!!!!!**		
	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN2796	**NO BLUE ICE NEEDED - CLIENT USING WET ICE TO COOL BOTTLES**
				CLIENT CODE CHANGED 7/25/03
				changed 12/8/05- dropped Cu, Mo, F as per new permit and changed metals to all ICP

Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

From: Origin ID: LASA 702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

Ship Date: 05NOV08
ActWgt: 20 LB
CAD: 2274147/INET8091
Account#: S ********

Delivery Address Bar Code

Ref # MSO #143427
Invoice #
PO #
Dept #

SHIP TO: 6265686400 BILL SENDER
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

TRK# 0201 7980 5636 2203

THU - 06NOV A2
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258572
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/06/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2811070284	M-10	Water	05-nov-2008 01:18:00
	B	CL	CR	FE	MN	N-INOR
	NH3	NH3-DIST	NO2-N	NO3	P	T
	TDS					

Test Acronym Description

Test Acronym	Description
B	Boron, Total, ICAP
CL	Chloride
CR	Chromium, Total, ICAP
FE	Iron, Total, ICAP
MN	Manganese, Total, ICAP
N-INOR	Total Inorganic Nitrogen-Calc
NH3	Ammonia Nitrogen
NH3-DIST	NPDES Ammonia Distillation
NO2-N	Nitrite, Nitrogen by IC
NO3	Nitrate as Nitrogen by IC
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#258572

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2811070284)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

(TDS) High %RPD on the 2nd Dup sample. The 2nd Dup 2nd weight was not performed properly for this sample. The result matched the historical value and TDS/EC ratio. sample will be reanalyzed.
Data reported.

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Laboratory
Hits Report
#258572

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
06-nov-2008 14:43:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811070284	M-10				
11/08/08	Boron, Total, ICAP		3.4		mg/l	0.10
11/07/08	Chloride		340	250	mg/l	10
11/08/08	Chromium, Total, ICAP		0.75		mg/l	0.020
11/08/08	Iron, Total, ICAP		3.8	0.3	mg/l	0.040
11/08/08	Manganese, Total, ICAP		0.27		mg/l	0.0040
11/07/08	Nitrate as Nitrogen by IC		2.4	10	mg/l	1.0
11/12/08	Total Dissolved Solid (TDS)		3180	500	mg/l	10
11/14/08	Total Inorganic Nitrogen-Calc		34.		mg/l	0.20

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#258572

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/06/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-10 (2811070284)			**Sampled on 11/05/08 01:18**					
	11/08/08 07:09	459390	(ML/EPA 200.7)	Boron, Total, ICAP	3.4	mg/l	0.10	2
	11/07/08 01:47	459200	(ML/EPA 300.0)	Chloride	340	mg/l	10	10
	11/08/08 07:09	459366	(ML/EPA 200.7)	Chromium, Total, ICAP	0.75	mg/l	0.020	2
	11/08/08 07:09	459371	(ML/EPA 200.7)	Iron, Total, ICAP	3.8	mg/l	0.040	2
	11/08/08 07:09	459384	(ML/EPA 200.7)	Manganese, Total, ICAP	0.27	mg/l	0.0040	2
	11/14/08 20:36		(EPA 300.0)	Total Inorganic Nitrogen-Calc	34.	mg/l	0.20	1
	11/10/08 16:01	460188	(EPA 350.1)	Ammonia Nitrogen	ND	mg/l	0.050	1
	11/07/08 01:47	459202	(ML/EPA 300.0)	Nitrite, Nitrogen by IC	ND	mg/l	1.0	10
	11/07/08 01:47	459204	(ML/EPA 300.0)	Nitrate as Nitrogen by IC	2.4	mg/l	1.0	10
11/10/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3180	mg/l	10	1

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Laboratory
QC Summary
#258572

Tronox LLC - Henderson

QC Ref #0 - Metals sample pH — **Analysis Date: 11/10/2008**

2811070284	M-10	Analyzed by: jrf
2811070284	M-10	Analyzed by: jrf

QC Ref #459200 - Chloride — **Analysis Date: 11/07/2008**

2811070284	M-10	Analyzed by: sxk

QC Ref #459202 - Nitrite, Nitrogen by IC — **Analysis Date: 11/07/2008**

2811070284	M-10	Analyzed by: sxk

QC Ref #459204 - Nitrate as Nitrogen by IC — **Analysis Date: 11/07/2008**

2811070284	M-10	Analyzed by: sxk

QC Ref #459366 - Chromium, Total, ICAP — **Analysis Date: 11/08/2008**

2811070284	M-10	Analyzed by: csk

QC Ref #459371 - Iron, Total, ICAP — **Analysis Date: 11/08/2008**

2811070284	M-10	Analyzed by: csk

QC Ref #459384 - Manganese, Total, ICAP — **Analysis Date: 11/08/2008**

2811070284	M-10	Analyzed by: csk

QC Ref #459390 - Boron, Total, ICAP — **Analysis Date: 11/08/2008**

2811070284	M-10	Analyzed by: csk

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Laboratory
QC Summary
#258572

Tronox LLC - Henderson
(continued)

QC Ref #460188 - Ammonia Nitrogen **Analysis Date: 11/10/2008**

2811070284 M-10 Analyzed by: njr

QC Ref #460479 - Total Dissolved Solid (TDS) **Analysis Date: 11/12/2008**

2811070284 M-10 Analyzed by: yaa

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Laboratory
QC Report
#258572

Tronox LLC - Henderson

QC Ref #459200 Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070101	MGL		(0-0)	
LCS1	Chloride	25	27.1	MGL	108.4	(90-110)	
LCS2	Chloride	25	27.0	MGL	108.0	(90-110)	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.469	MGL	93.8	(50-150)	
MS	Chloride	12.5	14.1	MGL	112.8	(74-138)	
MSD	Chloride	12.5	13.3	MGL	106.4	(74-138)	
RPD_LCS	Chloride	108.400	108.000	MGL	0.4	(0-20)	
RPD_MS	Chloride	112.800	106.400	MGL	5.8	(0-20)	

QC Ref #459202 Nitrite, Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070101	MGL		(0-0)	
LCS1	Nitrite, Nitrogen by IC	1.0	1.04	MGL	104.0	(90-110)	
LCS2	Nitrite, Nitrogen by IC	1.0	1.05	MGL	105.0	(90-110)	
MBLK	Nitrite, Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrite, Nitrogen by IC	0.050	0.0513	MGL	102.6	(50-150)	
MS	Nitrite, Nitrogen by IC	0.500	0.529	MGL	105.8	(69-123)	
MSD	Nitrite, Nitrogen by IC	0.500	0.538	MGL	107.6	(69-123)	
RPD_LCS	Nitrite, Nitrogen by IC	104.000	105.000	MGL	1.0	(0-20)	
RPD_MS	Nitrite, Nitrogen by IC	105.800	107.600	MGL	1.7	(0-20)	

QC Ref #459204 Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070101	MGL		(0-0)	
LCS1	Nitrate as Nitrogen by IC	2.5	2.45	MGL	98.0	(90-110)	
LCS2	Nitrate as Nitrogen by IC	2.5	2.45	MGL	98.0	(90-110)	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0446	MGL	89.2	(50-150)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MS	Nitrate as Nitrogen by IC	1.25	1.24	MGL	99.2	(87-121)
MSD	Nitrate as Nitrogen by IC	1.25	1.16	MGL	92.8	(87-121)
RPD_LCS	Nitrate as Nitrogen by IC	98.000	98.000	MGL	0.0	(0-20)
RPD_MS	Nitrate as Nitrogen by IC	99.200	92.800	MGL	6.7	(0-20)

QC Ref #459366 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	0.976	MGL	97.6	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0106	MGL	106.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.993	MGL	99.3	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.997	MGL	99.7	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	

QC Ref #459371 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	5.15	MGL	103.0	(85-115)	
LCS2	Iron, Total, ICAP	5.0	4.95	MGL	99.0	(85-115)	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0257	MGL	128.5	(50-150)	
MS	Iron, Total, ICAP	5.0	4.95	MGL	99.0	(70-130)	
MS2	Iron, Total, ICAP	5.0	5.05	MGL	101.0	(70-130)	
MSD	Iron, Total, ICAP	5.0	5.09	MGL	101.8	(70-130)	
MSD2	Iron, Total, ICAP	5.0	5.13	MGL	102.6	(70-130)	
RPD_LCS	Iron, Total, ICAP	103.000	99.000	MGL	4.0	(0-20)	
RPD_MS	Iron, Total, ICAP	99.000	101.800	MGL	2.8	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
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1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

QC Ref #459384 Manganese, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Manganese, Total, ICAP	0.50	0.524	MGL	104.8	(85-115)	
LCS2	Manganese, Total, ICAP	0.50	0.503	MGL	100.6	(85-115)	
MBLK	Manganese, Total, ICAP	ND	<0.0020	MGL			
MRL_CHK	Manganese, Total, ICAP	0.002	0.0025	MGL	125.0	(50-150)	
MS	Manganese, Total, ICAP	0.50	0.508	MGL	101.6	(70-130)	
MSD	Manganese, Total, ICAP	0.50	0.509	MGL	101.8	(70-130)	

QC Ref #459390 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.486	MGL	97.2	(85-115)	
LCS2	Boron, Total, ICAP	0.5	0.475	MGL	95.0	(85-115)	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0480	MGL	96.0	(50-150)	
MS	Boron, Total, ICAP	0.5	0.521	MGL	104.2	(70-130)	
MS2	Boron, Total, ICAP	0.5	0.462	MGL	92.4	(70-130)	
MSD	Boron, Total, ICAP	0.5	0.523	MGL	104.6	(70-130)	
MSD2	Boron, Total, ICAP	0.5	0.477	MGL	95.4	(70-130)	
RPD_LCS	Boron, Total, ICAP	97.200	95.000	MGL	2.3	(0-20)	
RPD_MS	Boron, Total, ICAP	104.200	104.600	MGL	0.4	(0-20)	

QC Ref #460188 Ammonia Nitrogen

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070166	MGL		(0-0)	
LCS1	Ammonia Nitrogen	1.00	1.00	MGL	100.0	(90-110)	
LCS2	Ammonia Nitrogen	1.00	0.991	MGL	99.1	(90-110)	
MBLK	Ammonia Nitrogen	ND	<0.050	MGL			
MRL_CHK	Ammonia Nitrogen	0.05	0.045	MGL	90.0	(50-150)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
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1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

MS	Ammonia Nitrogen	1.00	0.931	MGL	93.1	(90-110)
MSD	Ammonia Nitrogen	1.00	0.971	MGL	97.1	(90-110)
MS_2ND	Ammonia Nitrogen	1	1.01	MGL	101.0	(90-110)
RPD_LCS	Ammonia Nitrogen	100.000	99.100	MGL	0.9	(0-20)
RPD_MS	Ammonia Nitrogen	93.100	97.100	MGL	4.2	(0-20)

QC Ref #460479 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080104	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7910	7950	MGL		(0-10)	0.5
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	659	MGL	94.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	94.857	94.143	MGL	0.8	(0-20)	

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Nov 28 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258623
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 21 page[s].

MWH

BUILDING A BETTER WORLD

December 1, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258623

Enclosed is MWH Laboratories Report 258623

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 07, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Several samples were run twice for TDS, once past hold time, due to improper weight on the initial sample. The second analysis was reported. These data are flagged with an "HA" flag in the report.

Several samples for hexavalent chromium were received and analyzed past the RCRA 24 hour holding time.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016
Tel: 626-386-1100
Fax: 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

2 586623

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JS

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
543	11-6-08		M-67	RGW	X		X	X	X	X					2 Bottles
632	11-6-08		M-133	RGW	X		X	X	X	X					2 Bottles
638	11-6-08		M-94	RGW	X		X	X	X	X					2 Bottles
703	11-6-08		M-93	RGW	X		X	X	X	X					2 Bottles
727	11-6-08		M-88	RGW	X		X	X	X	X					2 Bottles
737	11-6-08		M-87	RGW	X		X	X	X	X					2 Bottles
811	11-6-08		M-70	RGW	X		X	X	X	X					2 Bottles
822	11-6-08		M-91	RGW	X		X	X	X	X					2 Bottles
838	11-6-08		M-92	RGW	X		X	X	X	X					2 Bottles
921	11-6-08		M-38	RGW	X		X	X	X	X					2 Bottles
1039	11-6-08		M-36	RGW	X		X	X	X	X	X				3 Bottles
1200	11-6-08		M-12A	RGW	X		X	X	X	X	X				3 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-6-08	12:00PM
RECEIVED BY:	Jonathan Kupp	Jon Topp	Mwh	11/7/08	12:50
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order								SAMPLER Comments
1014	11-6-08	1	M-16C	RGW	X		X	X	X	X	X											3 Bottles
8:51	11-6-08	1	M-22A	RGW	X		X	X	X	X												2 Bottles
935	11-6-08	1	M-89	RGW	X		X	X	X	X												2 Bottles
945	11-6-08	1	M-17A	RGW	X		X	X	X	X												2 Bottles
	11-6-08	1	MD-2	RGW	X		X	X	X	X	X											3 Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles
				RGW	X		X	X	X	X												Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-6-08	12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Week 1

Period

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# 44952 33899 RS
0

Sampler: Please Return this Paper with your samples

Created by MWH
Order Date 09/15/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 -250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143429

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	11/06/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
M. Skromyda

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10181

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM: Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 58 lbs Not Regulated		1 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:
The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 58	TOTAL TARE WEIGHT 0	58

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702)651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

CLS6818B/2124

Ship Date: 06NOV08
ActWgt: 58 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

SHIP TO: 6265686400 **BILL SENDER**

ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 910163629

Ref # MSO #143429
Invoice #
PO #
Dept #

TRK# 0201 7921 4020 5243

FRI - 07NOV **A2**
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258623
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/07/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811080088	M-67	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 05:43:00
2811080089	M-133	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 06:32:00
2811080090	M-74	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 06:38:00
2811080091	M-73	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 07:03:00
2811080092	M-88	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 07:27:00
2811080093	M-87	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 07:17:00
2811080094	M-70	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 08:11:00
2811080095	M-71	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 08:22:00
2811080096	M-72	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 08:38:00
2811080097	M-38	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 09:21:00
2811080098	M-36	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-nov-2008 10:37:00
2811080099	M-12A	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-nov-2008 10:00:00
2811080100	M-100	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-nov-2008 10:14:00
2811080101	M-22A	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 08:51:00
2811080102	M-89	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 09:35:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258623
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2811080103	M-17A	CLO4 CR6010 P PH9040 T TDS	Water	06-nov-2008 09:45:00
2811080104	MD-2	CLO4 CR6010 CRVI7196 P PH9040 T TDS	Water	06-nov-2008 00:00:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
CRVI7196	Hexavalent chromium (Cr VI)
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#258623

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2811080088)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Second weight was not performed properly for this sample. Result was within 10% of historical value and TDS/EC ration. Result reported.

(QC Ref#: 2811080090)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

The sample was first analyzed on 11/12 within HT. But due to the analyst error on EC reading, too much sample volume was used. The final sample weight was 304mg. The upper limit is 200mgL. The result of 6080mg/L can not be used. Rerun on 11/18 with result of 7650mg/L was reported past holding time.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2811080091)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyszed on 11/12 with holding time with result of 6610mg/L. But due to analyst error on EC reading, the final sample weight was 330mg. The upper limit is 200mg. Rerun with result of 5410mg/L on 11/18 was reported.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2811080092)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was originally analyzed on 11/12 with result of 6400 mg/L. But due to analyst error of EC reading, the final weight was 320mg. The upper limit is 200mg/L. Rerun with

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result of 6400mg/L on 11/18 was reported.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2811080093)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
Sample was originally analyzed on 11/12 with result of 4040 mg/L. But due to analyst errot on EC reading, the final weight was 202mg.The upper limit is 200mg. The sample was rerun for confirmation. The rerun result was 3560mg/L on 11/18. The original result within the holding time reported.

(QC Ref#: 2811080096)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
Second weight was not performed properly for this sample. Result was within 10% of historical value and TDS/EC ratio. Result reported.

(QC Ref#: 2811080098)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
2nd weight was not performed properly for this sample. Result matched the historical value and TDS/EC ratio. Data reported.

(QC Ref#: 2811080099)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2811080100)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time. Data not acceptable for regulatory compliance.
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
2nd weight was not performed properly for this sample. Result matched historical value and TDS/EC ratio. Data reported.

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1 800 566 LABS (1 800 566 5227)

(QC Ref#: 2811080101)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
2nd weight was not performed properly for this sample.
Result matched the historical value and TDS/EC ratio.
Data reported.

(QC Ref#: 2811080102)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
2nd weight was not performed properly for this sample.
Result matched the historical value and TDS/EC ratio.
Data reported.

(QC Ref#: 2811080104)
Test: Hexavalent chromium (Cr VI) (ML/EPA 7196)
H3 - Sample was received and analyzed past holding time.
Data not acceptable for regulatory compliance.
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
2nd weight was on perform properly for this sample.
Results match the TDS/EC ratio. And duplicates were analyzed for this sample with RPD of 0.5%. Data reported.

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Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#258623

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080088	**M-67**				
11/19/08	Chromium, Total, ICAP		8.0		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/20/08	Perchlorate		512000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)		8510	500	mg/l	10
	2811080089	**M-133**				
11/19/08	Chromium, Total, ICAP		0.77		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.5		Units	0.0010
11/14/08	Perchlorate		11400		ug/l	800
11/12/08	Total Dissolved Solid (TDS)		5900	500	mg/l	10
	2811080090	**M-74**				
11/19/08	Chromium, Total, ICAP		0.99		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/14/08	Perchlorate		60400		ug/l	4000
11/18/08	Total Dissolved Solid (TDS)		5640	500	mg/l	10
	2811080091	**M-73**				
11/19/08	Chromium, Total, ICAP		5.1		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/14/08	Perchlorate		345000		ug/l	20000
11/18/08	Total Dissolved Solid (TDS)		5410	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
A Division of MWH Americas, Inc.

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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#258623

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080092	**M-88**				
	2811080092	**M-88**				
11/19/08	Chromium, Total, ICAP		0.91		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.6		Units	0.0010
11/14/08	Perchlorate		41100		ug/l	4000
11/18/08	Total Dissolved Solid (TDS)		6400	500	mg/l	10
	2811080093	**M-87**				
11/19/08	Chromium, Total, ICAP		3.3		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/14/08	Perchlorate		324000		ug/l	20000
11/12/08	Total Dissolved Solid (TDS)		4040	500	mg/l	10
	2811080094	**M-70**				
11/19/08	Chromium, Total, ICAP		0.51		mg/l	0.010
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.7		Units	0.0010
11/14/08	Perchlorate		106000		ug/l	8000
11/12/08	Total Dissolved Solid (TDS)		3180	500	mg/l	10
	2811080095	**M-71**				
11/19/08	Chromium, Total, ICAP		5.0		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010

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Laboratory
Hits Report
#258623

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-nov-2008 12:50:00

Analyzed	Sample# / Sample ID	Result	Federal MCL	UNITS	MRL
	2811080095 M-71				
11/20/08	Perchlorate	608000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)	8240	500	mg/l	10
	2811080096 M-72				
11/19/08	Chromium, Total, ICAP	4.3		mg/l	0.020
11/18/08	Metals digestion performed.	Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)	7.5		Units	0.0010
11/20/08	Perchlorate	842000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)	9370	500	mg/l	10
	2811080097 M-38				
11/19/08	Chromium, Total, ICAP	28		mg/l	0.10
11/18/08	Metals digestion performed.	Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)	7.2		Units	0.0010
11/14/08	Perchlorate	944000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)	16900	500	mg/l	10
	2811080098 M-36				
11/19/08	Chromium, Total, ICAP	34		mg/l	0.10
11/07/08	Hexavalent chromium (Cr VI)	36.6		mg/l	0.50
11/18/08	Metals digestion performed.	Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)	7.3		Units	0.0010
11/15/08	Perchlorate	1500000		ug/l	200000
11/12/08	Total Dissolved Solid (TDS)	19500	500	mg/l	10
	2811080099 M-12A				

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Hits Report
#258623

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080099	**M-12A**				
11/19/08	Chromium, Total, ICAP		13		mg/l	0.050
11/07/08	Hexavalent chromium (Cr VI)		13.7		mg/l	0.50
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
11/14/08	Perchlorate		289000		ug/l	20000
11/12/08	Total Dissolved Solid (TDS)		8100	500	mg/l	10
	2811080100	**M-100**				
11/19/08	Chromium, Total, ICAP		0.27		mg/l	0.020
11/07/08	Hexavalent chromium (Cr VI)		0.259		mg/l	0.0050
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.8		Units	0.0010
11/14/08	Perchlorate		43700		ug/l	2000
11/12/08	Total Dissolved Solid (TDS)		1880	500	mg/l	10
	2811080101	**M-22A**				
11/19/08	Chromium, Total, ICAP		34		mg/l	0.10
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/14/08	Perchlorate		1730000		ug/l	80000
11/12/08	Total Dissolved Solid (TDS)		19500	500	mg/l	10
	2811080102	**M-89**				
11/19/08	Chromium, Total, ICAP		25		mg/l	0.10
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.3		Units	0.0010
11/14/08	Perchlorate		857000		ug/l	40000

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Samples Received
07-nov-2008 12:50:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080102	**M-89**				
11/12/08	Total Dissolved Solid (TDS)		15800	500	mg/l	10
	2811080103	**M-17A**				
11/19/08	Chromium, Total, ICAP		29		mg/l	0.10
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.4		Units	0.0010
11/14/08	Perchlorate		824000		ug/l	40000
11/12/08	Total Dissolved Solid (TDS)		16600	500	mg/l	10
	2811080104	**MD-2**				
11/19/08	Chromium, Total, ICAP		13		mg/l	0.050
11/07/08	Hexavalent chromium (Cr VI)		14.7		mg/l	0.50
11/18/08	Metals digestion performed.		Y		Yes/No	
11/07/08	PH (H3=past HT, not compliant)		7.9		Units	0.0010
11/15/08	Perchlorate		288000		ug/l	20000
11/12/08	Total Dissolved Solid (TDS)		7950	500	mg/l	10

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Data Report
#258623

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/07/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-67 (2811080088) Sampled on 11/06/08 05:43								
	11/20/08 16:12	461338	(EPA 314)	Perchlorate	512000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	8.0	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8510	mg/l	10	1
M-133 (2811080089) Sampled on 11/06/08 06:32								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	11400	ug/l	800	200
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.77	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459623	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5900	mg/l	10	1
M-74 (2811080090) Sampled on 11/06/08 06:38								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	60400	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.99	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/12/08	11/18/08 20:45	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5640(HA)	mg/l	10	1
M-73 (2811080091) Sampled on 11/06/08 07:03								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	345000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	5.1	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/12/08	11/18/08 19:45	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5410(HA)	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-88 (2811080092)			**Sampled on 11/06/08 07:27**					
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	41100	ug/l	4000	1000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	0.91	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.6	Units	0.0010	1
11/12/08	11/18/08 19:45	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6400(HA)	mg/l	10	1
M-87 (2811080093)			**Sampled on 11/06/08 07:17**					
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	324000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461190	(ML/EPA 6010B)	Chromium, Total, ICAP	3.3	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4040	mg/l	10	1
M-70 (2811080094)			**Sampled on 11/06/08 08:11**					
	11/14/08 02:01	460381	(EPA 314)	Perchlorate	106000	ug/l	8000	2000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.51	mg/l	0.010	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.7	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3180	mg/l	10	1
M-71 (2811080095)			**Sampled on 11/06/08 08:22**					
	11/20/08 16:12	461338	(EPA 314)	Perchlorate	608000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	5.0	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8240	mg/l	10	1
M-72 (2811080096)			**Sampled on 11/06/08 08:38**					
	11/20/08 05:26	461341	(EPA 314)	Perchlorate	842000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	4.3	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.5	Units	0.0010	1
11/12/08	11/12/08 12:00	460453	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9370	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-38 (2811080097)			**Sampled on 11/06/08 09:21**					
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	944000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	28	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.2	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16900	mg/l	10	1
M-36 (2811080098)			**Sampled on 11/06/08 10:37**					
	11/15/08 15:48	460808	(EPA 314)	Perchlorate	1500000	ug/l	200000	50000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	34	mg/l	0.10	10
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	36.6(H3)	mg/l	0.50	100
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	19500	mg/l	10	1
M-12A (2811080099)			**Sampled on 11/06/08 10:00**					
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	289000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	13.7(H3)	mg/l	0.50	100
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8100	mg/l	10	1
M-100 (2811080100)			**Sampled on 11/06/08 10:14**					
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	43700	ug/l	2000	500
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.27	mg/l	0.020	2
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	0.259(H3)	mg/l	0.0050	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459623	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1880	mg/l	10	1

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Data Report
#258623

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-22A (2811080101) Sampled on 11/06/08 08:51								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	1730000	ug/l	80000	20000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	34	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	19500	mg/l	10	1
M-89 (2811080102) Sampled on 11/06/08 09:35								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	857000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	25	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459617	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.3	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	15800	mg/l	10	1
M-17A (2811080103) Sampled on 11/06/08 09:45								
	11/14/08 13:35	460382	(EPA 314)	Perchlorate	824000	ug/l	40000	10000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	29	mg/l	0.10	10
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459615	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.4	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	16600	mg/l	10	1
MD-2 (2811080104) Sampled on 11/06/08 00:00								
	11/15/08 15:48	460808	(EPA 314)	Perchlorate	288000	ug/l	20000	5000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	13	mg/l	0.050	5
	11/07/08 15:50	460077	(ML/EPA 7196)	Hexavalent chromium (Cr VI)	14.7(H3)	mg/l	0.50	100
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/07/08 00:00	459623	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.9	Units	0.0010	1
11/12/08	11/12/08 17:00	460479	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7950	mg/l	10	1

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QC Summary
#258623

Tronox LLC - Henderson

QC Ref #0 - Metals sample pH **Analysis Date: 11/10/2008**

2811080088	M-67	Analyzed by: jrf
2811080088	M-67	Analyzed by: jrf
2811080089	M-133	Analyzed by: jrf
2811080089	M-133	Analyzed by: jrf
2811080090	M-74	Analyzed by: jrf
2811080090	M-74	Analyzed by: jrf
2811080091	M-73	Analyzed by: jrf
2811080091	M-73	Analyzed by: jrf
2811080092	M-88	Analyzed by: jrf
2811080092	M-88	Analyzed by: jrf
2811080093	M-87	Analyzed by: jrf
2811080093	M-87	Analyzed by: jrf
2811080094	M-70	Analyzed by: jrf
2811080094	M-70	Analyzed by: jrf
2811080095	M-71	Analyzed by: jrf
2811080095	M-71	Analyzed by: jrf
2811080096	M-72	Analyzed by: jrf
2811080096	M-72	Analyzed by: jrf
2811080097	M-38	Analyzed by: jrf
2811080097	M-38	Analyzed by: jrf
2811080098	M-36	Analyzed by: jrf
2811080098	M-36	Analyzed by: jrf
2811080099	M-12A	Analyzed by: jrf
2811080099	M-12A	Analyzed by: jrf
2811080099	M-12A	Analyzed by: maria
2811080100	M-100	Analyzed by: jrf
2811080100	M-100	Analyzed by: jrf
2811080101	M-22A	Analyzed by: jrf
2811080101	M-22A	Analyzed by: jrf
2811080102	M-89	Analyzed by: jrf
2811080102	M-89	Analyzed by: jrf
2811080103	M-17A	Analyzed by: jrf
2811080103	M-17A	Analyzed by: jrf
2811080104	MD-2	Analyzed by: jrf
2811080104	MD-2	Analyzed by: jrf

QC Ref #459615 - PH (H3=past HT, not compliant) Analysis Date: 11/07/2008

2811080098	M-36	Analyzed by: sar
2811080099	M-12A	Analyzed by: sar
2811080101	M-22A	Analyzed by: sar
2811080103	M-17A	Analyzed by: sar

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QC Ref #459617 - PH (H3=past HT, not compliant) Analysis Date: 11/07/2008

2811080088	M-67	Analyzed by: sar
2811080090	M-74	Analyzed by: sar
2811080091	M-73	Analyzed by: sar
2811080092	M-88	Analyzed by: sar
2811080093	M-87	Analyzed by: sar
2811080094	M-70	Analyzed by: sar
2811080095	M-71	Analyzed by: sar
2811080096	M-72	Analyzed by: sar
2811080097	M-38	Analyzed by: sar
2811080102	M-89	Analyzed by: sar

QC Ref #459623 - PH (H3=past HT, not compliant) Analysis Date: 11/07/2008

2811080089	M-133	Analyzed by: sar
2811080100	M-100	Analyzed by: sar
2811080104	MD-2	Analyzed by: sar

QC Ref #460077 - Hexavalent chromium (Cr VI) Analysis Date: 11/07/2008

2811080098	M-36	Analyzed by: azs
2811080099	M-12A	Analyzed by: azs
2811080100	M-100	Analyzed by: azs
2811080104	MD-2	Analyzed by: azs

QC Ref #460381 - Perchlorate Analysis Date: 11/14/2008

2811080094	M-70	Analyzed by: ser

QC Ref #460382 - Perchlorate Analysis Date: 11/14/2008

2811080089	M-133	Analyzed by: ser
2811080090	M-74	Analyzed by: ser
2811080091	M-73	Analyzed by: ser
2811080092	M-88	Analyzed by: ser
2811080093	M-87	Analyzed by: ser
2811080097	M-38	Analyzed by: ser

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Tronox LLC - Henderson
(continued)

2811080099	M-12A	Analyzed by: ser
2811080100	M-100	Analyzed by: ser
2811080101	M-22A	Analyzed by: ser
2811080102	M-89	Analyzed by: ser
2811080103	M-17A	Analyzed by: ser

QC Ref #460453 - Total Dissolved Solid (TDS) Analysis Date: 11/12/2008

2811080088	M-67	Analyzed by: yaa
2811080094	M-70	Analyzed by: yaa
2811080095	M-71	Analyzed by: yaa
2811080096	M-72	Analyzed by: yaa

QC Ref #460479 - Total Dissolved Solid (TDS) Analysis Date: 11/12/2008

2811080089	M-133	Analyzed by: yaa
2811080093	M-87	Analyzed by: yaa
2811080097	M-38	Analyzed by: yaa
2811080098	M-36	Analyzed by: yaa
2811080099	M-12A	Analyzed by: yaa
2811080100	M-100	Analyzed by: yaa
2811080101	M-22A	Analyzed by: yaa
2811080102	M-89	Analyzed by: yaa
2811080103	M-17A	Analyzed by: yaa
2811080104	MD-2	Analyzed by: yaa

QC Ref #460808 - Perchlorate Analysis Date: 11/15/2008

2811080098	M-36	Analyzed by: ser
2811080104	MD-2	Analyzed by: ser

QC Ref #461106 - Total Dissolved Solid (TDS) Analysis Date: 11/18/2008

2811080090	M-74	Analyzed by: maria
2811080091	M-73	Analyzed by: maria
2811080092	M-88	Analyzed by: maria

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Tronox LLC - Henderson
(continued)

QC Ref #461190 - Chromium, Total, ICAP **Analysis Date: 11/19/2008**

2811080088	M-67	Analyzed by: csk
2811080089	M-133	Analyzed by: csk
2811080090	M-74	Analyzed by: csk
2811080091	M-73	Analyzed by: csk
2811080092	M-88	Analyzed by: csk
2811080093	M-87	Analyzed by: csk

QC Ref #461191 - Chromium, Total, ICAP **Analysis Date: 11/19/2008**

2811080094	M-70	Analyzed by: csk
2811080095	M-71	Analyzed by: csk
2811080096	M-72	Analyzed by: csk
2811080097	M-38	Analyzed by: csk
2811080098	M-36	Analyzed by: csk
2811080099	M-12A	Analyzed by: csk
2811080100	M-100	Analyzed by: csk
2811080101	M-22A	Analyzed by: csk
2811080102	M-89	Analyzed by: csk
2811080103	M-17A	Analyzed by: csk
2811080104	MD-2	Analyzed by: csk

QC Ref #461338 - Perchlorate **Analysis Date: 11/20/2008**

2811080088	M-67	Analyzed by: ser
2811080095	M-71	Analyzed by: ser

QC Ref #461341 - Perchlorate **Analysis Date: 11/20/2008**

2811080096	M-72	Analyzed by: ser

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Laboratory
QC Report
#258623

Tronox LLC - Henderson

QC Ref #459615 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.32	7.32	UNIT		(0-20)	0.0

QC Ref #459617 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.27	7.26	UNIT		(0-20)	0.1

QC Ref #459623 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.88	7.84	UNIT		(0-20)	0.5

QC Ref #460077 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080100	MGL		(0-0)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	(85-115)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.056	MGL	112.0	(85-115)	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	(50-150)	
MS	Hexavalent chromium (Cr VI)	0.05	0.041	MGL	82.0	(70-130)	
MSD	Hexavalent chromium (Cr VI)	0.05	0.049	MGL	98.0	(70-130)	

QC Ref #460381 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11120337	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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(continued)

LCS3	Perchlorate	4	3.92	UGL	98.0	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)
MSD	Perchlorate	25.0	26.0	UGL	104.0	(80-120)
RPD_LCS	Perchlorate	100.000	100.800	UGL	0.8	(0-15)
RPD_MS	Perchlorate	97.600	104.000	UGL	1.1	(0-15)

QC Ref #460382 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11120113	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.1	UGL	100.4	(85-115)	
LCS2	Perchlorate	25.0	26.6	UGL	106.4	(85-115)	
LCS3	Perchlorate	4	4.90	UGL	122.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	28.8	UGL	115.2	(80-120)	
MSD	Perchlorate	25.0	25.4	UGL	101.6	(80-120)	
RPD_LCS	Perchlorate	100.400	106.400	UGL	5.8	(0-15)	
RPD_MS	Perchlorate	115.200	101.600	UGL	0.9	(0-15)	

QC Ref #460453 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070280	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	796	804	MGL		(0-10)	1.0
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	678	MGL	96.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	96.857	MGL	0.3	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

QC Ref #460479 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080104	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7910	7950	MGL		(0-10)	0.5
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	659	MGL	94.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	94.857	94.143	MGL	0.8	(0-20)	

QC Ref #460808 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11130179	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	4.51	UGL	112.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
MSD	Perchlorate	25.0	25.3	UGL	101.2	(80-120)	
RPD_LCS	Perchlorate	104.000	98.800	UGL	5.1	(0-15)	
RPD_MS	Perchlorate	100.000	101.200	UGL	1.0	(0-15)	

QC Ref #461106 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070260	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	13600	14050	MGL		(0-10)	3.3
LCS1	Total Dissolved Solid (TDS)	175	150	MGL	85.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	636	MGL	90.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MRL_CHK	Total Dissolved Solid (TDS)	10.0	10.0	MGL	100.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	85.714	90.857	MGL	5.8	(0-20)

QC Ref #461190 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070264	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0111	MGL	111.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.07	MGL	107.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(70-130)	

QC Ref #461191 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080094	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.09	MGL	109.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.06	MGL	106.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0111	MGL	111.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#258623

Tronox LLC - Henderson
(continued)

QC Ref #461338 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070294	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.8	UGL	107.2	(85-115)	
LCS2	Perchlorate	25.0	25.9	UGL	103.6	(85-115)	
LCS3	Perchlorate	4	4.64	UGL	116.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.7	UGL	98.8	(80-120)	
MSD	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
RPD_LCS	Perchlorate	107.200	103.600	UGL	3.4	(0-15)	
RPD_MS	Perchlorate	98.800	96.000	UGL	1.0	(0-15)	

QC Ref #461341 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11140089	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	4.68	UGL	117.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.2	UGL	92.8	(80-120)	
MSD	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
RPD_LCS	Perchlorate	99.600	98.800	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	92.800	95.600	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Nov 25 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258639
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 7 page[s].

MWH

BUILDING A BETTER WORLD

November 26, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258639

Enclosed is MWH Laboratories Report 258639

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 08, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

TDS (M-115) -The second weight was not performed properly for this sample. Result matched historical value and TDS/EC ratio. Result reported.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

259639

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: J.S./J

SAMPLE TEMP, RECEIPT AT LAB: 6°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Quarterly Groundwater Sampling Schedule B

Sampler: Michele Brown — Michelle Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	pH 9040	TDS	CLO4	CRVI 7196	CLO3 9056	NO3 9056	See Bottle Order	SAMPLER Comments
1009	11-7-08		M-96	RGW	X		X	X	X	X					2 Bottles
1018	11-7-08		M-95	RGW	X		X	X	X	X					2 Bottles
1030	11-7-08		M-115	RGW	X		X	X	X	X					2 Bottles
1042	11-7-08		M-14A	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	11-7-08	12:00PM
RECEIVED BY:	Joe Sanchez	Joe Sanchez	MWH	11-8-08	11:23
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# smc052002

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly
Period
Week 1

Andrew Eaton ..... Your MWL Project Manager
(626) 386-1125 ..... Direct Phone/Voice Mail

SO# **44952** 33899 RS

0

Created by MWH

Order Date 09/15/08

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Tronox LLC-Veolia Water
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
PO Box 3049
Livonia, MI 48150

Quote#
MWH

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
101	CR6010	1 -250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
101	CLO4, TDS, PH9040	1 500 ml poly /no preservative	
15	CRVI7196	1 125ml poly acid rinsed/ no preservative **SHORT HOLDING TIME!!!!!**	

Important Comments

QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS

First, Third, and foruth quarters

NOTIFY LAB AS SOON AS CR-VI COMES IN.- 24HR ht

TDS count increased to 101 effective 6/16/06;; deleted EC as of 7-14-06

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143430

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	11/07/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
M. Skromyda

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS

1321.10181

f it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM: Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice chest with water samples Monitoring Wells quarterly One ice chest @ 22 lbs Not Regulated		1 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:
The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 22	TOTAL TARE WEIGHT 0	22

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702) 651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

JCLS0911688/28/23

Ship Date: 07NOV08
ActWgt: 22.0 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

SHIP TO: (626) 568-6400 **BILL SENDER**
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

Ref # MSO143195-58Lbs
Invoice #
PO #
Dept #

TRK# 0201 7970 9761 3376

SATURDAY ### A2
PRIORITY OVERNIGHT

X0 WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258639
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/08/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled				Matrix	Sample Date
2811080129	M-76	CLO4	CR6010	P	PH9040	Water T	07-nov-2008 06:07:00 TDS
2811080130	M-75	CLO4	CR6010	P	PH9040	Water T	07-nov-2008 06:18:00 TDS
2811080131	M-115	CLO4	CR6010	P	PH9040	Water T	07-nov-2008 06:30:00 TDS
2811080132	M-14A	CLO4	CR6010	P	PH9040	Water T	07-nov-2008 06:42:00 TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR6010	Chromium, Total, ICAP
P	Metals sample pH
PH9040	PH (H3=past HT, not compliant)
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
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Report
Comments
#258639

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2811080131)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Second weight was not performed properly for this sample.
Result matched historical value and TDS/EC ratio.
Result reported.

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Laboratory
Hits Report
#258639

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
08-nov-2008 13:18:40

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811080129	**M-76**				
11/19/08	Chromium, Total, ICAP		2.8		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/08/08	PH (H3=past HT, not compliant)		7.8		Units	
11/14/08	Perchlorate		120000		ug/l	0.0010
11/13/08	Total Dissolved Solid (TDS)		3880	500	mg/l	8000 10
	2811080130	**M-75**				
11/19/08	Chromium, Total, ICAP		4.9		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/08/08	PH (H3=past HT, not compliant)		7.8		Units	
11/12/08	Perchlorate		72600		ug/l	0.0010 4000
11/13/08	Total Dissolved Solid (TDS)		4780	500	mg/l	10
	2811080131	**M-115**				
11/19/08	Chromium, Total, ICAP		0.025		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/08/08	PH (H3=past HT, not compliant)		7.8		Units	
11/12/08	Perchlorate		24500		ug/l	0.0010 4000
11/13/08	Total Dissolved Solid (TDS)		3090	500	mg/l	10
	2811080132	**M-14A**				
11/19/08	Chromium, Total, ICAP		0.061		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/08/08	PH (H3=past HT, not compliant)		7.8		Units	
11/12/08	Perchlorate		26000		ug/l	0.0010 4000
11/13/08	Total Dissolved Solid (TDS)		3230	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#258639

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/08/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-76 (2811080129)			**Sampled on 11/07/08 06:07**					
	11/14/08 02:01	460381	(EPA 314)	Perchlorate	120000	ug/l	8000	2000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	2.8	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/08/08 00:00	460506	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/13/08	11/13/08 18:00	460454	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3880	mg/l	10	1
M-75 (2811080130)			**Sampled on 11/07/08 06:18**					
	11/12/08 14:11	460212	(EPA 314)	Perchlorate	72600	ug/l	4000	1000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	4.9	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/08/08 00:00	460506	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/13/08	11/13/08 18:00	460454	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4780	mg/l	10	1
M-115 (2811080131)			**Sampled on 11/07/08 06:30**					
	11/12/08 14:11	460212	(EPA 314)	Perchlorate	24500	ug/l	4000	1000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.025	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/08/08 00:00	460506	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/13/08	11/13/08 18:00	460454	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3090	mg/l	10	1
M-14A (2811080132)			**Sampled on 11/07/08 06:42**					
	11/12/08 14:11	460212	(EPA 314)	Perchlorate	26000	ug/l	4000	1000
11/18/08	11/19/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.061	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
	11/08/08 00:00	460506	(ML/EPA 9040B)	PH (H3=past HT, not compliant)	7.8	Units	0.0010	1
11/13/08	11/13/08 18:00	460454	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3230	mg/l	10	1

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Laboratory
QC Summary
#258639

Tronox LLC - Henderson

QC Ref #0 - Metals sample pH **Analysis Date: 11/10/2008**

2811080129	M-76	Analyzed by: jrf
2811080129	M-76	Analyzed by: jrf
2811080130	M-75	Analyzed by: jrf
2811080130	M-75	Analyzed by: jrf
2811080131	M-115	Analyzed by: jrf
2811080131	M-115	Analyzed by: jrf
2811080132	M-14A	Analyzed by: jrf
2811080132	M-14A	Analyzed by: jrf

QC Ref #460212 - Perchlorate **Analysis Date: 11/12/2008**

2811080130	M-75	Analyzed by: ser
2811080131	M-115	Analyzed by: ser
2811080132	M-14A	Analyzed by: ser

QC Ref #460381 - Perchlorate **Analysis Date: 11/14/2008**

2811080129	M-76	Analyzed by: ser

QC Ref #460454 - Total Dissolved Solid (TDS) **Analysis Date: 11/13/2008**

2811080129	M-76	Analyzed by: yaa
2811080130	M-75	Analyzed by: yaa
2811080131	M-115	Analyzed by: yaa
2811080132	M-14A	Analyzed by: yaa

QC Ref #460506 - PH (H3=past HT, not compliant) **Analysis Date: 11/08/2008**

2811080129	M-76	Analyzed by: nem
2811080130	M-75	Analyzed by: nem
2811080131	M-115	Analyzed by: nem
2811080132	M-14A	Analyzed by: nem

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Laboratory
QC Summary
#258639

Tronox LLC - Henderson
(continued)

QC Ref #461191 - Chromium, Total, ICAP **Analysis Date: 11/19/2008**

2811080129	M-76	Analyzed by: csk
2811080130	M-75	Analyzed by: csk
2811080131	M-115	Analyzed by: csk
2811080132	M-14A	Analyzed by: csk

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Laboratory
QC Report
#258639

Tronox LLC - Henderson

QC Ref #460212 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11060417	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.3	UGL	101.2	(85-115)	
LCS2	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	
LCS3	Perchlorate	4	3.95	UGL	98.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.0	UGL	96.0	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	101.200	99.600	UGL	1.6	(0-15)	
RPD_MS	Perchlorate	96.000	99.600	UGL	1.0	(0-15)	

QC Ref #460381 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11120337	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS3	Perchlorate	4	3.92	UGL	98.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
MSD	Perchlorate	25.0	26.0	UGL	104.0	(80-120)	
RPD_LCS	Perchlorate	100.000	100.800	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	97.600	104.000	UGL	1.1	(0-15)	

QC Ref #460454 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11110367	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	ND	ND	MGL		(0-10)	
LCS1	Total Dissolved Solid (TDS)	175	174	MGL	99.4	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Tronox LLC - Henderson
(continued)

MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)
RPD_LCS	Total Dissolved Solid (TDS)	99.429	99.143	MGL	0.3	(0-20)

QC Ref #460506 PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	PH (H3=past HT, not compliant)	7.76	7.77	UNIT		(0-20)	0.1

QC Ref #461191 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080094	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.09	MGL	109.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.06	MGL	106.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0111	MGL	111.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Dec 03 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 258779
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

December 5, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 258779

Enclosed is MWH Laboratories Report 258779

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 11, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Several TDS samples were rerun past hold time because of initial QC problems. These are noted in the comments section of the report.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

301 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626.386.1100
FAX 626.386.1101
www.mwhlabs.com

259779

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JT/JS

SAMPLE TEMP, RECEIPT AT LAB: 5°

BLUE ICE: FROZEN X PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Weekly - SO #12373

Sampler: Michele Brown — Michele Brown
Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO4	TDS	CR	SAMPLER COMMENTS
1000	11/10/08		ART-1	RSW	X		X	X	X	
5:30	11/10/08		ART-2	RSW	X		X	X	X	
5:30	11/10/08		ART-3	RSW	X		X	X	X	
5:30	11/10/08		ART-4	RSW	X		X	X	X	
5:30	11/10/08		ART-5	RSW	X		X	X	X	NO SAMPLE
5:30	11/10/08		ART-6	RSW	X		X	X	X	
5:30	11/10/08		ART-7	RSW	X		X	X	X	
5:30	11/10/08		ART-8	RSW	X		X	X	X	
0600	11/10/08		PC-99R2/R3	RSW	X		X	X	X	
0600	11/10/08		PC-115R	RSW	X		X	X	X	
0600	11/10/08		PC-116R	RSW	X		X	X	X	
0600	11/10/08		Seep Surface Flow	RSW	X		X	X	X	NO SAMPLE

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	11/10/2008	1200pm
RECEIVED BY:	Jon Tripp	Jon Tripp	MWH	11/11	10:30
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12373

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant LLC
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES — X (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	Total ClO_4	TDS	CR	SAMPLER COMMENTS
6:00	11/10/08		SF-1	RSW	X		X	X	X	
6:00	11/10/08		PC-117	RSW	X		X	X	X	
6:00	11/10/08		PC-118	RSW	X		X	X	X	
6:00	11/10/08		PC-119	RSW	X		X	X	X	
6:00	11/10/08		PC-120	RSW	X		X	X	X	
6:00	11/10/08		PC-121	RSW	X		X	X	X	
6:00	11/10/08		PC-133	RSW	X		X	X	X	
5:30	11/10/08		1 ART-9	RSW	X		X	X	X	

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	11/10/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

Standing

Andrew Eaton — Your MWL Project Manager
(626) 386-1125 — Direct Phone/Voice Mail

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job#
Blanket PO

Q Quarterly — Period

SO# 37074 18486 RS

0

Sampler: Please Return this Paper with your samples

Created by
Order Date 07/03/07

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

Quote#

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
70	CR	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031

Important Comments
PLEASE SHIP WITH STANDING ORDER 12374

ctiveCode	Status	Date Shipped	Carrier	Qty of Coolers	Tracking Number	Prepared By

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Andrew Eaton **Your MWL Project Manager**
(626) 386-1125 **Direct Phone/Voice Mail**

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly
Week 1
Period

SO# 39793 12373 **RS**

Created by GJY 0

Order Date 12/07/07

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Sampler: Please Return this Paper with your samples

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
GJY

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
30	CLO4, TDS,	1 250 ml poly /no preservative	
	SHEET OF LABELS WITH WELL-IDS	see comments section	

Important Comments

Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
Monthly effective 11-30-07

PC-117, PC-118, PC-119, PC-120, and PC-121
PC-116R
PC-99R2
PC-99R3
PC-115R
ART-1
ART-2
ART-3
ART-4
ART-5
ART-6
ART-7
ART-8
Seep Surface Flow
SF-1"
Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
EXTRA BOTTLES INCLUDED
client code changed 7/25/03
Testcode updated 3-16-06
standing order changed 6-14-06
login note added 7-6-06 TDS

iveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

SHIPPER'S NUMBER: 143434

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	11/10/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS 1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES
☒ Prepaid ☐ Collect

N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM
		Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly ART and PC Well Samples One Ice Chest @ 39 lbs One Ice Chest @ 35 lbs		2 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

The Carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO

PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 74	TOTAL TARE WEIGHT 0	74

FOR CHEMICAL EMERGENCY-SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC – DAY OR NIGHT
800-424-9300
483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702) 651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

JCLS091608/28/23

Ship Date: 10NOV08
ActWgt: 39.0 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

SHIP TO: (626) 568-6400 **BILL SENDER**
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

Ref # MSO #143434
Invoice #
PO #
Dept #

TRK# 0201 7961 0470 7523

TUE - 11NOV **A2**
PRIORITY OVERNIGHT

QZ WHPA

91016
CA-US
BUR

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

THIS MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER'S NUMBER: 143434

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading.

From: TRONOX LLC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said Carrier (the word Carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another Carrier on the route to said destination. It is mutually agreed, as to each Carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the Shipper and accepted for himself and his assigns.

CARRIER	Date	FROM NO. STATION: STATE
Federal Express	11/10/08	Henderson, NV 89015

MWH LABORATORIES
750 Royal Oaks Avenue, Suite #100
Monrovia, CA 91016-3629
Phone: 626-568-6400

Authorization
S. CROWLEY

FULL NAME OF SHIPPER
TRONOX LLC

CODE NO. WCN IS 1321.10400

If it moves between two ports by water, the law requires that the Bill of Lading shall state whether it is Carrier's or Shippers weight.

FREIGHT CHARGES		
☒ Prepaid ☐ Collect		
N/AR	CUSTOMER PO OR REQ'N NO.	SHIPPED FROM: Henderson, NV

LINE NO.	DESCRIPTION AND CLASSIFICATION	STOCK NO.	TOTAL QUANTITY
	Ice Chest with water samples Monthly ART and PC Well Samples One Ice Chest @ 39 lbs One Ice Chest @ 35 lbs		2 Cooler

Subject to Section 7 of Conditions of applicable Bill of Lading, if this shipment is to be delivered to the Consignee without recourse on the Consignor, the Consignor shall sign the following statement:

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TRONOX LLC

The description and weight indicated on this Bill of Lading are correct. Subject to verification by the Governing Weighing and Inspection Bureau according to Agreement.

TRUCK SHIPMENTS

PLACARDS OFFERED ☐ YES ☒ NO PLACARDS ACCEPTED ☐ YES ☒ NO

NUMBER OF PACKAGES	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT
		0	
1	TOTAL GROSS WEIGHT 74	TOTAL TARE WEIGHT 0	74

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483-7616 IN DISTRICT OF COLUMBIA
202-483-7616 FROM OUTSIDE THE CONTINENTAL US.

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"Shippers imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission"

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TRONOX LLC Shipper permanent post office address of shipper, PO Box 268859, Oklahoma City, OK 73126-8859	PER **Carron Williams**	AGENT	PER

From: Origin ID: LASA (702) 651-2230
TRONOX LLC
TRONOX LLC
8000 LAKE MEAD PARKWAY
SHIPPING DEPARTMENT
HENDERSON, NV 89015

FedEx Express

JCLS091608/26/23

Ship Date: 10NOV08
ActWgt: 35.0 LB
CAD: 2274147/INET8091
Account#: S *********

Delivery Address Bar Code

SHIP TO: (626) 568-6400 BILL SENDER
ATTN: SAMPLE RECEIVING
MONTGOMERY WATSON LABS
750 ROYAL OAKS DR # 100

MONROVIA, CA 91016

Ref # MSO #143434
Invoice #
PO #
Dept #

TRK# 0201 7971 0132 5275

TUE - 11NOV
PRIORITY OVERNIGHT
A2

QZ WHPA

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After printing this label:
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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258779
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/11/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled		Matrix		Sample Date
2811110250	ART-1	CLO4	CR	Water P	T	10-nov-2008 10:00:00 TDS
2811110251	ART-2	CLO4	CR	Water P	T	10-nov-2008 05:30:00 TDS
2811110252	ART-3	CLO4	CR	Water P	T	10-nov-2008 05:30:00 TDS
2811110253	ART-4	CLO4	CR	Water P	T	10-nov-2008 05:30:00 TDS
2811110254	ART-6	CLO4	CR	Water P	T	10-nov-2008 05:30:00 TDS
2811110255	ART-7	CLO4	CR	Water P	T	10-nov-2008 05:30:00 TDS
2811110256	ART-8	CLO4	CR	Water P	T	10-nov-2008 05:30:00 TDS
2811110257	PC-99R2/R3	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110258	PC-115R	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110259	PC-116R	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110260	SF-1	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110261	PC-117	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110262	PC-118	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110263	PC-119	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110264	PC-120	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110265	PC-121	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS
2811110266	PC-133	CLO4	CR	Water P	T	10-nov-2008 06:00:00 TDS

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 258779
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled				Matrix	Sample Date
2811110267	ART-9	CLO4	CR	P	T	Water TDS	10-nov-2008 05:30:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Report
Comments
#258779

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

(QC Ref#: 2811110250)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Second weight was not performed properly for this sample. Result was higher than historical value. Sample will be logged for TDR for rerun. Original result from 11/14 was 8180mg/L. Rerun on 11/18 had result of 7100 mg/L which was out of HT but more in line with historical value and TDS/EC ratio.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2811110251)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Sample was first analyzed on 11/15 within HT and with result of 10640mg/L. But the TDS/EC ratio was 0.76 which was over the norm of 0.55 to 0.70. Sample was rerun on 11/18 out of HT. The result was 8000mg/L with TDS/EC ratio of 0.57. Both results however are with range of historical values.
HA - Initial analysis within holding time. Reanalysis was past holding time.

(QC Ref#: 2811110264)

Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

Second weight was not performed properly on this sample. Result matched the historic value and TDS/EC ratio. Result reported.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#258779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11-nov-2008 14:02:15

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811110250	**ART-1**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/22/08	Perchlorate		164		ug/l	20
11/18/08	Total Dissolved Solid (TDS)		7100	500	mg/l	10
	2811110251	**ART-2**				
11/20/08	Chromium, Total, ICAP		0.024		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/22/08	Perchlorate		60200		ug/l	4000
11/18/08	Total Dissolved Solid (TDS)		8000	500	mg/l	10
	2811110252	**ART-3**				
11/20/08	Chromium, Total, ICAP		0.28		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/22/08	Perchlorate		287000		ug/l	20000
11/14/08	Total Dissolved Solid (TDS)		7700	500	mg/l	10
	2811110253	**ART-4**				
11/20/08	Chromium, Total, ICAP		0.29		mg/l	0.010
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		306000		ug/l	20000
11/14/08	Total Dissolved Solid (TDS)		6070	500	mg/l	10
	2811110254	**ART-6**				
11/20/08	Chromium, Total, ICAP		1.6		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		308000		ug/l	20000

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
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Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#258779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11-nov-2008 14:02:15

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811110254	**ART-6**				
11/14/08	Total Dissolved Solid (TDS)		7550	500	mg/l	10
	2811110255	**ART-7**				
11/20/08	Chromium, Total, ICAP		0.69		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		137000		ug/l	8000
11/14/08	Total Dissolved Solid (TDS)		8900	500	mg/l	10
	2811110256	**ART-8**				
11/20/08	Chromium, Total, ICAP		0.16		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		217000		ug/l	20000
11/14/08	Total Dissolved Solid (TDS)		8600	500	mg/l	10
	2811110257	**PC-99R2/R3**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		10800		ug/l	800
11/14/08	Total Dissolved Solid (TDS)		4870	500	mg/l	10
	2811110258	**PC-115R**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		10100		ug/l	800
11/14/08	Total Dissolved Solid (TDS)		4450	500	mg/l	10
	2811110259	**PC-116R**				

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#258779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11-nov-2008 14:02:15

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811110259	**PC-116R**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		7820		ug/l	400
11/14/08	Total Dissolved Solid (TDS)		4440	500	mg/l	10
	2811110260	**SF-1**				
11/20/08	Chromium, Total, ICAP		0.013		mg/l	0.010
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		217		ug/l	20
11/14/08	Total Dissolved Solid (TDS)		6430	500	mg/l	10
	2811110261	**PC-117**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		2890		ug/l	200
11/14/08	Total Dissolved Solid (TDS)		3170	500	mg/l	10
	2811110262	**PC-118**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		8070		ug/l	800
11/14/08	Total Dissolved Solid (TDS)		4140	500	mg/l	10
	2811110263	**PC-119**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		3580		ug/l	200
11/14/08	Total Dissolved Solid (TDS)		3200	500	mg/l	10
	2811110264	**PC-120**				

SUMMARY OF POSITIVE DATA ONLY.

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A Division of MWH Americas, Inc.

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Laboratory
Hits Report
#258779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11-nov-2008 14:02:15

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811110264	**PC-120**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		852		ug/l	200
11/14/08	Total Dissolved Solid (TDS)		2450	500	mg/l	10
	2811110265	**PC-121**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		853		ug/l	80
11/14/08	Total Dissolved Solid (TDS)		2570	500	mg/l	10
	2811110266	**PC-133**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		962		ug/l	200
11/14/08	Total Dissolved Solid (TDS)		2540	500	mg/l	10
	2811110267	**ART-9**				
11/20/08	Chromium, Total, ICAP		1.5		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/13/08	Perchlorate		314000		ug/l	20000
11/14/08	Total Dissolved Solid (TDS)		7490	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#258779

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
11/11/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2811110250)			**Sampled on 11/10/08 10:00**					
	11/22/08 00:00	461391	(EPA 314)	Perchlorate	164	ug/l	20	5
11/18/08	11/20/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/18/08 19:50	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7100(HA)	mg/l	10	1
ART-2 (2811110251)			**Sampled on 11/10/08 05:30**					
	11/22/08 00:00	461391	(EPA 314)	Perchlorate	60200	ug/l	4000	1000
11/18/08	11/20/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.024	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/15/08	11/18/08 19:50	461106	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8000(HA)	mg/l	10	1
ART-3 (2811110252)			**Sampled on 11/10/08 05:30**					
	11/22/08 00:00	461391	(EPA 314)	Perchlorate	287000	ug/l	20000	5000
11/18/08	11/20/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.28	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7700	mg/l	10	1
ART-4 (2811110253)			**Sampled on 11/10/08 05:30**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	306000	ug/l	20000	5000
11/18/08	11/20/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	0.29	mg/l	0.010	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6070	mg/l	10	1
ART-6 (2811110254)			**Sampled on 11/10/08 05:30**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	308000	ug/l	20000	5000
11/18/08	11/20/08 00:00	461191	(ML/EPA 6010B)	Chromium, Total, ICAP	1.6	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7550	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-7 (2811110255)			**Sampled on 11/10/08 05:30**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	137000	ug/l	8000	2000
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	0.69	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8900	mg/l	10	1
ART-8 (2811110256)			**Sampled on 11/10/08 05:30**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	217000	ug/l	20000	5000
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	0.16	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8600	mg/l	10	1
PC-99R2/R3 (2811110257)			**Sampled on 11/10/08 06:00**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	10800	ug/l	800	200
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4870	mg/l	10	1
PC-115R (2811110258)			**Sampled on 11/10/08 06:00**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	10100	ug/l	800	200
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4450	mg/l	10	1
PC-116R (2811110259)			**Sampled on 11/10/08 06:00**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	7820	ug/l	400	100
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4440	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
SF-1 (2811110260) Sampled on 11/10/08 06:00								
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	217	ug/l	20	5
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	0.013	mg/l	0.010	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6430	mg/l	10	1
PC-117 (2811110261) Sampled on 11/10/08 06:00								
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	2890	ug/l	200	50
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.010	1
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3170	mg/l	10	1
PC-118 (2811110262) Sampled on 11/10/08 06:00								
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	8070	ug/l	800	200
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4140	mg/l	10	1
PC-119 (2811110263) Sampled on 11/10/08 06:00								
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	3580	ug/l	200	50
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3200	mg/l	10	1
PC-120 (2811110264) Sampled on 11/10/08 06:00								
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	852	ug/l	200	50
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2450	mg/l	10	1

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Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-121 (2811110265)			**Sampled on 11/10/08 06:00**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	853	ug/l	80	20
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2570	mg/l	10	1
PC-133 (2811110266)			**Sampled on 11/10/08 06:00**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	962	ug/l	200	50
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	ND	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2540	mg/l	10	1
ART-9 (2811110267)			**Sampled on 11/10/08 05:30**					
	11/13/08 14:27	460380	(EPA 314)	Perchlorate	314000	ug/l	20000	5000
11/18/08	11/20/08 00:00	461195	(ML/EPA 6010B)	Chromium, Total, ICAP	1.5	mg/l	0.020	2
	11/18/08 20:39		(EPA 200 Prep)	Metals digestion performed.	Y	Yes/No	0	1
11/14/08	11/14/08 17:00	460445	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7490	mg/l	10	1

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QC Summary
#258779

Tronox LLC - Henderson

QC Ref #0 - Metals Turbidity **Analysis Date: 11/12/2008**

2811110250	ART-1	Analyzed by: jrf
2811110250	ART-1	Analyzed by: jrf
2811110250	ART-1	Analyzed by: maria
2811110251	ART-2	Analyzed by: jrf
2811110251	ART-2	Analyzed by: jrf
2811110251	ART-2	Analyzed by: maria
2811110252	ART-3	Analyzed by: jrf
2811110252	ART-3	Analyzed by: jrf
2811110253	ART-4	Analyzed by: jrf
2811110253	ART-4	Analyzed by: jrf
2811110254	ART-6	Analyzed by: jrf
2811110254	ART-6	Analyzed by: jrf
2811110255	ART-7	Analyzed by: jrf
2811110255	ART-7	Analyzed by: jrf
2811110256	ART-8	Analyzed by: jrf
2811110256	ART-8	Analyzed by: jrf
2811110257	PC-99R2/R3	Analyzed by: jrf
2811110257	PC-99R2/R3	Analyzed by: jrf
2811110258	PC-115R	Analyzed by: jrf
2811110258	PC-115R	Analyzed by: jrf
2811110259	PC-116R	Analyzed by: jrf
2811110259	PC-116R	Analyzed by: jrf
2811110260	SF-1	Analyzed by: jrf
2811110260	SF-1	Analyzed by: jrf
2811110261	PC-117	Analyzed by: jrf
2811110261	PC-117	Analyzed by: jrf
2811110262	PC-118	Analyzed by: jrf
2811110262	PC-118	Analyzed by: jrf
2811110263	PC-119	Analyzed by: jrf
2811110263	PC-119	Analyzed by: jrf
2811110264	PC-120	Analyzed by: jrf
2811110264	PC-120	Analyzed by: jrf
2811110265	PC-121	Analyzed by: jrf
2811110265	PC-121	Analyzed by: jrf
2811110266	PC-133	Analyzed by: jrf
2811110266	PC-133	Analyzed by: jrf
2811110267	ART-9	Analyzed by: jrf
2811110267	ART-9	Analyzed by: jrf

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Tronox LLC - Henderson
(continued)

QC Ref #460380 - Perchlorate **Analysis Date: 11/13/2008**

2811110253	ART-4	Analyzed by: ser
2811110254	ART-6	Analyzed by: ser
2811110255	ART-7	Analyzed by: ser
2811110256	ART-8	Analyzed by: ser
2811110257	PC-99R2/R3	Analyzed by: ser
2811110258	PC-115R	Analyzed by: ser
2811110259	PC-116R	Analyzed by: ser
2811110260	SF-1	Analyzed by: ser
2811110261	PC-117	Analyzed by: ser
2811110262	PC-118	Analyzed by: ser
2811110263	PC-119	Analyzed by: ser
2811110264	PC-120	Analyzed by: ser
2811110265	PC-121	Analyzed by: ser
2811110266	PC-133	Analyzed by: ser
2811110267	ART-9	Analyzed by: ser

QC Ref #460445 - Total Dissolved Solid (TDS) **Analysis Date: 11/14/2008**

2811110252	ART-3	Analyzed by: axd
2811110253	ART-4	Analyzed by: axd
2811110254	ART-6	Analyzed by: axd
2811110255	ART-7	Analyzed by: axd
2811110256	ART-8	Analyzed by: axd
2811110257	PC-99R2/R3	Analyzed by: axd
2811110258	PC-115R	Analyzed by: axd
2811110259	PC-116R	Analyzed by: axd
2811110260	SF-1	Analyzed by: axd
2811110261	PC-117	Analyzed by: axd
2811110262	PC-118	Analyzed by: axd
2811110263	PC-119	Analyzed by: axd
2811110264	PC-120	Analyzed by: axd
2811110265	PC-121	Analyzed by: axd
2811110266	PC-133	Analyzed by: axd
2811110267	ART-9	Analyzed by: axd

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Tronox LLC - Henderson
(continued)

QC Ref #461106 - Total Dissolved Solid (TDS) **Analysis Date: 11/18/2008**

2811110250	ART-1	Analyzed by: maria
2811110251	ART-2	Analyzed by: maria

QC Ref #461191 - Chromium, Total, ICAP **Analysis Date: 11/20/2008**

2811110250	ART-1	Analyzed by: csk
2811110251	ART-2	Analyzed by: csk
2811110252	ART-3	Analyzed by: csk
2811110253	ART-4	Analyzed by: csk
2811110254	ART-6	Analyzed by: csk

QC Ref #461195 - Chromium, Total, ICAP **Analysis Date: 11/20/2008**

2811110255	ART-7	Analyzed by: csk
2811110256	ART-8	Analyzed by: csk
2811110257	PC-99R2/R3	Analyzed by: csk
2811110258	PC-115R	Analyzed by: csk
2811110259	PC-116R	Analyzed by: csk
2811110260	SF-1	Analyzed by: csk
2811110261	PC-117	Analyzed by: csk
2811110262	PC-118	Analyzed by: csk
2811110263	PC-119	Analyzed by: csk
2811110264	PC-120	Analyzed by: csk
2811110265	PC-121	Analyzed by: csk
2811110266	PC-133	Analyzed by: csk
2811110267	ART-9	Analyzed by: csk

QC Ref #461391 - Perchlorate **Analysis Date: 11/22/2008**

2811110250	ART-1	Analyzed by: ser
2811110251	ART-2	Analyzed by: ser
2811110252	ART-3	Analyzed by: ser

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Tronox LLC - Henderson

QC Ref #460380 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11070349	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS2	Perchlorate	25.0	25.4	UGL	101.6	(85-115)	
LCS3	Perchlorate	4	4.26	UGL	106.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.4	UGL	93.6	(80-120)	
MSD	Perchlorate	25.0	25.2	UGL	100.8	(80-120)	
RPD_LCS	Perchlorate	98.800	101.600	UGL	2.8	(0-15)	
RPD_MS	Perchlorate	93.600	100.800	UGL	1.1	(0-15)	

QC Ref #460445 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11110252	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	8060	7700	MGL		(0-10)	4.6
LCS1	Total Dissolved Solid (TDS)	175	170	MGL	97.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	97.143	96.000	MGL	1.2	(0-20)	

QC Ref #461106 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11070260	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	13600	14050	MGL		(0-10)	3.3
LCS1	Total Dissolved Solid (TDS)	175	150	MGL	85.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	636	MGL	90.9	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	10.0	MGL	100.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	85.714	90.857	MGL	5.8	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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(continued)

QC Ref #461191 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11080094	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.09	MGL	109.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.06	MGL	106.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0111	MGL	111.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.10	MGL	110.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	

QC Ref #461195 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11110260	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0107	MGL	107.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)	

QC Ref #461391 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11190340	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS2	Perchlorate	25.0	24.9	UGL	99.6	(85-115)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
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750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Tronox LLC - Henderson
(continued)

LCS3	Perchlorate	4	4.20	UGL	105.0	(75-125)
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	22.4	UGL	89.6	(80-120)
MSD	Perchlorate	25.0	22.9	UGL	91.6	(80-120)
RPD_LCS	Perchlorate	100.800	99.600	UGL	1.2	(0-15)
RPD_MS	Perchlorate	89.600	91.600	UGL	1.0	(0-15)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Dec 05 2008
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 259063
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Hits Report, totaling 19 page[s].

MWH

BUILDING A BETTER WORLD

December 5, 2008

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 259063

Enclosed is MWH Laboratories Report 259063

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on November 13, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

2811130251 PC-58 was analyzed past hold time for TDS. The method blank associated with a number of TDS samples was above the MRL, but all concentrations were >10X the method blank level and are reported with a flag.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

259063

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JT / JS.

SAMPLE TEMP, RECEIPT AT LAB: 4°

BLUE ICE: FROZEN Y PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3									SAMPLER COMMENTS
			M-83	RSW	X		X	X	X											No Sample
5:45	11/11/08		M-87	RSW	X		X	X	X											
10:00	11/12/08		PC-98R	RSW	X		X	X	X											
7:10	11/11/08		PC-86	RSW	X		X	X	X											
6:58	11/11/08		PC-90	RSW	X		X	X	X											
7:41	11/10/08		PC-56	RSW	X		X	X	X											
7:34	11/10/08		PC-58	RSW	X		X	X	X											
7:58	11/10/08		PC-59	RSW	X		X	X	X											
7:50	11/10/08		PC-60	RSW	X		X	X	X											
8:05	11/10/08		PC-62	RSW	X		X	X	X											
8:12	11/10/08		PC-68	RSW	X		X	X	X											
7:35	11/11/08		PC-122	RSW	X		X	X	X											

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	11/12/2008	1200pm
RECEIVED BY:	Jeff Tripp	Jeff Tripp	MWH	11/13/08	1000
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# _____

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: JT / JK

SAMPLE TEMP, RECEIPT AT LAB: 4°

BLUE ICE: FROZEN X PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown (Michele Brown)
Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3														SAMPLER COMMENTS
							ClO_4	TDS	CR	CLO3	NO3										
9:13	11/12/08		MW-K4	RSW	X		X	X	X												
9:06	11/11/08		ARP-1	RSW	X		X	X	X												
			ARP-2	RSW	X		X	X	X												NO SAMPLE
			ARP-3	RSW	X		X	X	X												NO SAMPLE
9:01	11/12/08		ARP-4A	RSW	X		X	X	X												
8:51	11/12/08		ARP-5A	RSW	X		X	X	X												
8:40	11/12/08		ARP-6B	RSW	X		X	X	X												
			ARP-7	RSW	X		X	X	X												NO SAMPLE
8:09	11/12/08		PC-53	RSW	X		X	X	X												
9:26	11/12/08		PC-103	RSW	X		X	X	X												
8:23	11/12/08		MW-K5	RSW	X		X	X	X												

* **MATRIX TYPES:**

Reported by Volume:
- **CFW** = Chlor(am)inated Finished Water
- **FW** = Other Finished Water
- **RGW** = Raw Ground Water
- **RSW** = Raw Surface Water
- **CWW** = Chlorinated Waste Water
- **WW** = Other Waste Water
- **SW** = Storm Water

Reported by Weight:
- **SO** = Soil
- **SL** = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	11/12/2008	1200pm
RECEIVED BY:	Julie Tripp	Jon Tripp	MWH	11/13/08	10:00
RELINQUISHED BY:					
RECEIVED BY:					

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JT / JS

SAMPLE TEMP, RECEIPT AT LAB: 4.0

BLUE ICE: FROZEN X PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ClO_4	TDS	CR	CLO3	NO3	SAMPLER COMMENTS
7:23	11/11/08		PC-91	RSW	X		X	X	X			
6:47	11/11/08		PC-97	RSW	X		X	X	X			
8:20	11/11/08		PC-17	RSW	X		X	X	X	—	Did not receive	
8:36	11/11/08		PC-18	RSW	X		X	X	X			
10:11	11/11/08		PC-55	RSW	X		X	X	X			
			PC-101R	RSW	X		X	X	X			NO SAMPLE
10:42	11/11/08		L-635	RSW	X		X	X	X			
10:40	11/12/08		L-637	RSW	X		X	X	X			

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	11/12/2008	1200pm
RECEIVED BY:	Jan Tapp	Jan Tapp	MWH	11/13	10:00
RELINQUISHED BY:					
RECEIVED BY:					

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

Standing

Client Code KERRMCGEE-MP Q Quarterly Period

Project Code CLO4

PO# / Job#

Blanket PO

Andrew Eaton **Your MWL Project Manager**

(626) 386-1125 **Direct Phone/Voice Mail**

SO# **37074** 18486 **RS**

0

Sampler: Please Return this Paper with your samples

Created by

Order Date 07/03/07

Date Needed by Client

Date Samples to Arrive at MWL

SHIP LOCATION

Ship Sample Kits to
Kerr McGee
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Kerr McGee Henderson Plant
PO Box 55
Henderson, NV 89009

Quote#

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
70	CR	1 250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031	PLEASE SHIP WITH STANDING ORDER 12374

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 259063
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **11/13/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled		Matrix		Sample Date
2811130246	M-87			Water		11-nov-2008 05:45:00
		CLO4	CR6010	P	T	TDS
2811130247	PC-98R			Water		12-nov-2008 10:00:00
		CLO4	CR6010	P	T	TDS
2811130248	PC-86			Water		11-nov-2008 07:10:00
		CLO4	CR6010	P	T	TDS
2811130249	PC-90			Water		11-nov-2008 06:58:00
		CLO4	CR6010	P	T	TDS
2811130250	PC-56			Water		10-nov-2008 07:41:00
		CLO4	CR6010	P	T	TDS
2811130251	PC-58			Water		10-nov-2008 07:34:00
		CLO4	CR6010	P	T	TDS
2811130252	PC-59			Water		10-nov-2008 07:58:00
		CLO4	CR6010	P	T	TDS
2811130253	PC-60			Water		10-nov-2008 07:50:00
		CLO4	CR6010	P	T	TDS
2811130254	PC-62			Water		10-nov-2008 08:05:00
		CLO4	CR6010	P	T	TDS
2811130255	PC-68			Water		10-nov-2008 08:12:00
		CLO4	CR6010	P	T	TDS
2811130256	PC-122			Water		11-nov-2008 07:35:00
		CLO4	CR6010	P	T	TDS
2811130257	MW-K4			Water		12-nov-2008 09:13:00
		CLO4	CR	P	T	TDS
2811130258	ARP-1			Water		11-nov-2008 09:06:00
		CLO4	CR6010	P	T	TDS
2811130259	ARP-4A			Water		12-nov-2008 09:01:00
		CLO4	CR6010	P	T	TDS
2811130260	ARP-5A			Water		12-nov-2008 08:51:00
		CLO4	CR6010	P	T	TDS
2811130261	ARP-6B			Water		12-nov-2008 08:40:00
		CLO4	CR6010	P	T	TDS
2811130262	PC-53			Water		12-nov-2008 08:09:00
		CLO4	CR6010	P	T	TDS

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 259063
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled		Matrix		Sample Date
2811130263	PC-103			Water		12-nov-2008 09:26:00
		CLO4	CR6010	P	T	TDS
2811130264	MW-K5			Water		12-nov-2008 08:23:00
		CLO4	CR6010	P	T	TDS
2811130265	PC-91			Water		11-nov-2008 07:23:00
		CLO4	CR6010	P	T	TDS
2811130266	PC-97			Water		11-nov-2008 06:47:00
		CLO4	CR6010	P	T	TDS
2811130267	PC-18			Water		11-nov-2008 08:36:00
		CLO4	CR6010	P	T	TDS
2811130268	PC-55			Water		11-nov-2008 10:11:00
		CLO4	CR6010	P	T	TDS
2811130269	L-635			Water		11-nov-2008 10:42:00
		CLO4	CR	P	T	TDS
2811130270	L-637			Water		12-nov-2008 10:40:00
		CLO4	CR6010	P	T	TDS

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
CR	Chromium, Total, ICAP
CR6010	Chromium, Total, ICAP
P	Metals sample pH
T	Metals Turbidity
TDS	Total Dissolved Solid (TDS)

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Monrovia, California 91016-3629
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Report
Comments
#259063

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

Group Comments

(TDS) Low MRL recovery. Data acceptable based on passing other MRL and LCSs.
(TDS) High 2nd MRL. Data acceptable based on passing 1st MRL and LCSs. No major impact on data regarding high MB since all reported results are greater than 10x MB level.

(QC Ref#: 2811130251)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

(TDS) MRL readings not within 0.5 mg. Data acceptable based on passing MRLs/LCSs recoveries.
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.

(QC Ref#: 2811130257)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130258)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130259)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)

B7 - Target Analyte detected in method blank at or above

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method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130260)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130261)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130262)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130263)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130264)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130268)

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Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2811130269)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
B7 - Target Analyte detected in method blank at or above
H1 - Sample analysis performed past holding time. Data not acceptable for regulatory compliance.
method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

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Laboratory
Hits Report
#259063

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
13-nov-2008 19:35:15

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811130246	**M-87**				
11/20/08	Chromium, Total, ICAP		3.5		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		342000		ug/l	20000
11/17/08	Total Dissolved Solid (TDS)		4630	500	mg/l	10
	2811130247	**PC-98R**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		2250		ug/l	200
11/18/08	Total Dissolved Solid (TDS)		2500	500	mg/l	10
	2811130248	**PC-86**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		907		ug/l	80
11/17/08	Total Dissolved Solid (TDS)		2450	500	mg/l	10
	2811130249	**PC-90**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		7710		ug/l	800
11/17/08	Total Dissolved Solid (TDS)		3696	500	mg/l	10
	2811130250	**PC-56**				
11/20/08	Chromium, Total, ICAP		0.020		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		8500		ug/l	800
11/17/08	Total Dissolved Solid (TDS)		6800	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
A Division of MWH Americas, Inc.

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Laboratory
Hits Report
#259063

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
13-nov-2008 19:35:15

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811130251	**PC-58**				
	2811130251	**PC-58**				
11/20/08	Chromium, Total, ICAP		0.12		mg/l	0.020
11/18/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		10900		ug/l	4000
11/19/08	Total Dissolved Solid (TDS)		7510	500	mg/l	10
	2811130252	**PC-59**				
11/18/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		6940		ug/l	400
11/17/08	Total Dissolved Solid (TDS)		4330	500	mg/l	10
	2811130253	**PC-60**				
11/25/08	Chromium, Total, ICAP		0.02		mg/l	0.020
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		6690		ug/l	400
11/17/08	Total Dissolved Solid (TDS)		3980	500	mg/l	10
	2811130254	**PC-62**				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		1140		ug/l	200
11/17/08	Total Dissolved Solid (TDS)		2900	500	mg/l	10
	2811130255	**PC-68**				
11/21/08	Metals digestion performed.		Y		Yes/No	

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Laboratory
Hits Report
#259063

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
13-nov-2008 19:35:15

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811130255	**PC-68**				
11/15/08	Perchlorate		162		ug/l	8.0
11/17/08	Total Dissolved Solid (TDS)		2000	500	mg/l	10
	2811130256	**PC-122**				
11/25/08	Chromium, Total, ICAP		0.10		mg/l	0.020
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		12100		ug/l	800
11/17/08	Total Dissolved Solid (TDS)		9900	500	mg/l	10
	2811130257	**MW-K4**				
11/25/08	Chromium, Total, ICAP		0.05		mg/l	0.020
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		100000		ug/l	8000
11/17/08	Total Dissolved Solid (TDS)		6780	500	mg/l	10
	2811130258	**ARP-1**				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		2870		ug/l	200
11/17/08	Total Dissolved Solid (TDS)		6270	500	mg/l	10
	2811130259	**ARP-4A**				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		30400		ug/l	2000
11/17/08	Total Dissolved Solid (TDS)		4440	500	mg/l	10
	2811130260	**ARP-5A**				

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811130260	**ARP-5A**				
11/25/08	Chromium, Total, ICAP		0.07		mg/l	0.020
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		24800		ug/l	2000
11/17/08	Total Dissolved Solid (TDS)		6110	500	mg/l	10
	2811130261	**ARP-6B**				
11/25/08	Chromium, Total, ICAP		0.13		mg/l	0.020
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		18000		ug/l	800
11/17/08	Total Dissolved Solid (TDS)		10200	500	mg/l	10
	2811130262	**PC-53**				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		1030		ug/l	200
11/17/08	Total Dissolved Solid (TDS)		3520	500	mg/l	10
	2811130263	**PC-103**				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		11100		ug/l	800
11/17/08	Total Dissolved Solid (TDS)		4330	500	mg/l	10
	2811130264	**MW-K5**				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/23/08	Perchlorate		188		ug/l	8.0
11/17/08	Total Dissolved Solid (TDS)		1420	500	mg/l	10

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811130264	MW-K5				
	2811130265	PC-91				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		14100		ug/l	800
11/17/08	Total Dissolved Solid (TDS)		7440	500	mg/l	10
	2811130266	PC-97				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/15/08	Perchlorate		238		ug/l	40
11/17/08	Total Dissolved Solid (TDS)		2470	500	mg/l	10
	2811130267	PC-18				
11/25/08	Chromium, Total, ICAP		0.14		mg/l	0.020
11/21/08	Metals digestion performed.		Y		Yes/No	
11/16/08	Perchlorate		194000		ug/l	20000
11/17/08	Total Dissolved Solid (TDS)		9620	500	mg/l	10
	2811130268	PC-55				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/16/08	Perchlorate		787		ug/l	200
11/17/08	Total Dissolved Solid (TDS)		8200	500	mg/l	10
	2811130269	L-635				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/16/08	Perchlorate		15		ug/l	10

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2811130269	**L-635**				
11/17/08	Total Dissolved Solid (TDS)		7530	500	mg/l	10
	2811130270	**L-637**				
11/21/08	Metals digestion performed.		Y		Yes/No	
11/16/08	Perchlorate		13		ug/l	10
11/18/08	Total Dissolved Solid (TDS)		8440	500	mg/l	10

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QC Summary
#259063

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QC Ref #0 - Metals sample pH **Analysis Date: 11/14/2008**

2811130246	M-87	Analyzed by: jrf
2811130246	M-87	Analyzed by: jrf
2811130247	PC-98R	Analyzed by: jrf
2811130247	PC-98R	Analyzed by: jrf
2811130248	PC-86	Analyzed by: jrf
2811130248	PC-86	Analyzed by: jrf
2811130249	PC-90	Analyzed by: jrf
2811130249	PC-90	Analyzed by: jrf
2811130250	PC-56	Analyzed by: jrf
2811130250	PC-56	Analyzed by: jrf
2811130251	PC-58	Analyzed by: jrf
2811130251	PC-58	Analyzed by: jrf
2811130252	PC-59	Analyzed by: jrf
2811130252	PC-59	Analyzed by: jrf
2811130253	PC-60	Analyzed by: jrf
2811130253	PC-60	Analyzed by: jrf
2811130254	PC-62	Analyzed by: jrf
2811130254	PC-62	Analyzed by: jrf
2811130255	PC-68	Analyzed by: jrf
2811130255	PC-68	Analyzed by: jrf
2811130256	PC-122	Analyzed by: jrf
2811130256	PC-122	Analyzed by: jrf
2811130257	MW-K4	Analyzed by: jrf
2811130257	MW-K4	Analyzed by: jrf
2811130258	ARP-1	Analyzed by: jrf
2811130258	ARP-1	Analyzed by: jrf
2811130259	ARP-4A	Analyzed by: jrf
2811130259	ARP-4A	Analyzed by: jrf
2811130260	ARP-5A	Analyzed by: jrf
2811130260	ARP-5A	Analyzed by: jrf
2811130261	ARP-6B	Analyzed by: jrf
2811130261	ARP-6B	Analyzed by: jrf
2811130262	PC-53	Analyzed by: jrf
2811130262	PC-53	Analyzed by: jrf
2811130263	PC-103	Analyzed by: jrf
2811130263	PC-103	Analyzed by: jrf
2811130264	MW-K5	Analyzed by: jrf
2811130264	MW-K5	Analyzed by: jrf
2811130265	PC-91	Analyzed by: jrf
2811130265	PC-91	Analyzed by: jrf
2811130266	PC-97	Analyzed by: jrf
2811130266	PC-97	Analyzed by: jrf
2811130267	PC-18	Analyzed by: jrf

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2811130267	PC-18	Analyzed by: jrf
2811130268	PC-55	Analyzed by: jrf
2811130268	PC-55	Analyzed by: jrf
2811130269	L-635	Analyzed by: jrf
2811130269	L-635	Analyzed by: jrf
2811130270	L-637	Analyzed by: jrf
2811130270	L-637	Analyzed by: jrf

QC Ref #460807 - Perchlorate **Analysis Date: 11/15/2008**

2811130246	M-87	Analyzed by: ser
2811130248	PC-86	Analyzed by: ser
2811130249	PC-90	Analyzed by: ser
2811130250	PC-56	Analyzed by: ser
2811130252	PC-59	Analyzed by: ser
2811130253	PC-60	Analyzed by: ser
2811130254	PC-62	Analyzed by: ser
2811130255	PC-68	Analyzed by: ser
2811130256	PC-122	Analyzed by: ser
2811130257	MW-K4	Analyzed by: ser
2811130259	ARP-4A	Analyzed by: ser
2811130260	ARP-5A	Analyzed by: ser
2811130261	ARP-6B	Analyzed by: ser

QC Ref #460808 - Perchlorate **Analysis Date: 11/15/2008**

2811130247	PC-98R	Analyzed by: ser
2811130251	PC-58	Analyzed by: ser
2811130258	ARP-1	Analyzed by: ser
2811130262	PC-53	Analyzed by: ser
2811130263	PC-103	Analyzed by: ser
2811130265	PC-91	Analyzed by: ser
2811130266	PC-97	Analyzed by: ser
2811130267	PC-18	Analyzed by: ser
2811130268	PC-55	Analyzed by: ser
2811130269	L-635	Analyzed by: ser
2811130270	L-637	Analyzed by: ser

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QC Ref #461195 - Chromium, Total, ICAP **Analysis Date: 11/20/2008**

2811130246	M-87	Analyzed by: csk
2811130247	PC-98R	Analyzed by: csk
2811130248	PC-86	Analyzed by: csk
2811130249	PC-90	Analyzed by: csk
2811130250	PC-56	Analyzed by: csk
2811130251	PC-58	Analyzed by: csk
2811130252	PC-59	Analyzed by: csk

QC Ref #461402 - Perchlorate **Analysis Date: 11/23/2008**

2811130264	MW-K5	Analyzed by: ser

QC Ref #461479 - Total Dissolved Solid (TDS) **Analysis Date: 11/19/2008**

2811130251	PC-58	Analyzed by: yaa

QC Ref #461484 - Total Dissolved Solid (TDS) **Analysis Date: 11/17/2008**

2811130257	MW-K4	Analyzed by: yaa
2811130258	ARP-1	Analyzed by: yaa
2811130259	ARP-4A	Analyzed by: yaa
2811130260	ARP-5A	Analyzed by: yaa
2811130261	ARP-6B	Analyzed by: yaa
2811130262	PC-53	Analyzed by: yaa
2811130263	PC-103	Analyzed by: yaa
2811130264	MW-K5	Analyzed by: yaa
2811130268	PC-55	Analyzed by: yaa
2811130269	L-635	Analyzed by: yaa

QC Ref #461533 - Total Dissolved Solid (TDS) **Analysis Date: 11/17/2008**

2811130246	M-87	Analyzed by: yaa
2811130248	PC-86	Analyzed by: yaa
2811130249	PC-90	Analyzed by: yaa
2811130250	PC-56	Analyzed by: yaa
2811130252	PC-59	Analyzed by: yaa

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2811130253	PC-60	Analyzed by: yaa
2811130254	PC-62	Analyzed by: yaa
2811130255	PC-68	Analyzed by: yaa
2811130256	PC-122	Analyzed by: yaa
2811130265	PC-91	Analyzed by: yaa
2811130266	PC-97	Analyzed by: yaa
2811130267	PC-18	Analyzed by: yaa

QC Ref #461535 - Total Dissolved Solid (TDS) Analysis Date: 11/18/2008

2811130247	PC-98R	Analyzed by: yaa
2811130270	L-637	Analyzed by: yaa

QC Ref #461927 - Total Dissolved Solid (TDS) Analysis Date: 11/24/2008

2811130269	L-635	Analyzed by: maria

QC Ref #462067 - Chromium, Total, ICAP Analysis Date: 11/25/2008

2811130257	MW-K4	Analyzed by: csk
2811130269	L-635	Analyzed by: csk

QC Ref #462103 - Chromium, Total, ICAP Analysis Date: 11/25/2008

2811130253	PC-60	Analyzed by: csk
2811130254	PC-62	Analyzed by: csk
2811130255	PC-68	Analyzed by: csk
2811130256	PC-122	Analyzed by: csk
2811130258	ARP-1	Analyzed by: csk
2811130259	ARP-4A	Analyzed by: csk
2811130260	ARP-5A	Analyzed by: csk
2811130261	ARP-6B	Analyzed by: csk
2811130262	PC-53	Analyzed by: csk
2811130263	PC-103	Analyzed by: csk
2811130264	MW-K5	Analyzed by: csk
2811130265	PC-91	Analyzed by: csk
2811130266	PC-97	Analyzed by: csk
2811130267	PC-18	Analyzed by: csk
2811130268	PC-55	Analyzed by: csk
2811130270	L-637	Analyzed by: csk

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Laboratory
QC Report
#259063

Tronox LLC - Henderson

QC Ref #460807 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11120199	UGL		(0-0)	
LCS1	Perchlorate	25.0	25.1	UGL	100.4	(85-115)	
LCS2	Perchlorate	25.0	25.0	UGL	100.0	(85-115)	
LCS3	Perchlorate	4	4.52	UGL	113.0	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
MSD	Perchlorate	25.0	24.9	UGL	99.6	(80-120)	
RPD_LCS	Perchlorate	100.400	100.000	UGL	0.4	(0-15)	
RPD_MS	Perchlorate	99.600	99.600	UGL	1.0	(0-15)	

QC Ref #460808 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11130179	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.0	UGL	104.0	(85-115)	
LCS2	Perchlorate	25.0	24.7	UGL	98.8	(85-115)	
LCS3	Perchlorate	4	4.51	UGL	112.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	25.0	UGL	100.0	(80-120)	
MSD	Perchlorate	25.0	25.3	UGL	101.2	(80-120)	
RPD_LCS	Perchlorate	104.000	98.800	UGL	5.1	(0-15)	
RPD_MS	Perchlorate	100.000	101.200	UGL	1.0	(0-15)	

QC Ref #461195 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11110260	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0107	MGL	107.0	(50-150)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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MS	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)
MS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)
MSD	Chromium, Total, ICAP	1.00	1.00	MGL	100.0	(70-130)
MSD2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(70-130)

QC Ref #461402 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	11210113	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.8	UGL	99.2	(85-115)	
LCS2	Perchlorate	25.0	25.2	UGL	100.8	(85-115)	
LCS3	Perchlorate	4	3.55	UGL	88.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	23.9	UGL	95.6	(80-120)	
MSD	Perchlorate	25.0	23.5	UGL	94.0	(80-120)	
RPD_LCS	Perchlorate	99.200	100.800	UGL	1.6	(0-15)	
RPD_MS	Perchlorate	95.600	94.000	UGL	1.0	(0-15)	

QC Ref #461479 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11130251	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7520	7510	MGL		(0-10)	0.1
LCS1	Total Dissolved Solid (TDS)	175	178	MGL	101.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	700	MGL	100.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	101.714	100.000	MGL	1.7	(0-20)	

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QC Ref #461484 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11110332	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	222	228	MGL		(0-10)	2.7
LCS1	Total Dissolved Solid (TDS)	175	172	MGL	98.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	666	MGL	95.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	14	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13.0	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	98.286	95.143	MGL	3.2	(0-20)	

QC Ref #461533 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11110251	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	9530	9470	MGL		(0-10)	0.6
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	694	MGL	99.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	5	MGL	50.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	93.714	99.143	MGL	5.6	(0-20)	

QC Ref #461535 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11130247	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	2480	2500	MGL		(0-10)	0.8
LCS1	Total Dissolved Solid (TDS)	175	184	MGL	105.1	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	638	MGL	91.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	15	MGL	150.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	105.143	91.143	MGL	14.3	(0-20)	

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QC Ref #461927 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11190180	UGL		(0-0)	
LCS1	Perchlorate	0.5	0.60	UGL	120.0	(70-130)	
LCS2	Perchlorate	1.0	1.03	UGL	103.0	(85-115)	
LCS3	Perchlorate	1.0	0.91	UGL	91.0	(75-125)	
LCS4	Perchlorate	25.0	23.8	UGL	95.2	(85-115)	
MBLK	Perchlorate	ND	<0.50	UGL			
MS	Perchlorate	1.0	0.86	UGL	86.0	(70-130)	
MSD	Perchlorate	1.0	0.85	UGL	85.0	(70-130)	
RPD_MS	Perchlorate	86.000	85.000	UGL	1.2	(0-20)	

QC Ref #462067 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			
MRL_CHK	Chromium, Total, ICAP	0.010	0.0107	MGL	107.0	(50-150)	
MS	Chromium, Total, ICAP	1.00	0.976	MGL	97.6	(70-130)	
MS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)	
MSD	Chromium, Total, ICAP	1.00	0.985	MGL	98.5	(70-130)	
MSD2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)	

QC Ref #462103 Chromium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	11130258	MGL		(0-0)	
LCS1	Chromium, Total, ICAP	1.00	1.02	MGL	102.0	(85-115)	
LCS2	Chromium, Total, ICAP	1.00	1.01	MGL	101.0	(85-115)	
MBLK	Chromium, Total, ICAP	ND	<0.010	MGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MWH Laboratories
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Fax: 626 386 1101
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Tronox LLC - Henderson
(continued)

MRL_CHK	Chromium, Total, ICAP	0.010	0.0102	MGL	102.0	(50-150)
MS	Chromium, Total, ICAP	1.00	0.976	MGL	97.6	(70-130)
MS2	Chromium, Total, ICAP	1.00	1.03	MGL	103.0	(70-130)
MSD	Chromium, Total, ICAP	1.00	0.985	MGL	98.5	(70-130)
MSD2	Chromium, Total, ICAP	1.00	1.08	MGL	108.0	(70-130)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Jan 07 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 261012
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

January 9, 2009

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 261012

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on December 10, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

For TDS, the MRL check recovery was above acceptance limits and the blank was recovered high, but all results were more than 10X the blank level.

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

261012

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Weekly - SO #12373

Sampler: Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO4	TDS											SAMPLER COMMENTS
5:30	12/8/08		ART-1	RSW	X		X	X											
5:30	12/8/08		ART-2	RSW	X		X	X											
5:30	12/8/08		ART-3	RSW	X		X	X											
5:30	12/8/08		ART-4	RSW	X		X	X											
5:30	12/8/08		ART-5	RSW	X		X	X											NO SAMPLE
5:30	12/8/08		ART-6	RSW	X		X	X											
5:30	12/8/08		ART-7	RSW	X		X	X											
5:30	12/8/08		ART-8	RSW	X		X	X											
0600	12/8/08		PC-99R2/R3	RSW	X		X	X											
0600	12/8/08		PC-115R	RSW	X		X	X											
0600	12/8/08		PC-116R	RSW	X		X	X											
0600	12/8/08		Seep Surface Flow	RSW	X		X	X											NO SAMPLE

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	12/9/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C#

MONTGOMERY WATSON LABORATORIES CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: JT JOE

SAMPLE TEMP, RECEIPT AT LAB: 3°C

BLUE ICE: FROZEN ___ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12373

Sampler Signature: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant LLC
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	Total ClO_4	TDS	SAMPLER COMMENTS
8:40	12/9/08		SF-1	RSW	X		X	X	
6:00	12/8/08		PC-117	RSW	X		X	X	
6:00	12/8/08		PC-118	RSW	X		X	X	
6:00	12/8/08		PC-119	RSW	X		X	X	
6:00	12/8/08		PC-120	RSW	X		X	X	
6:00	12/8/08		PC-121	RSW	X		X	X	
6:00	12/8/08		PC-133	RSW	X		X	X	
5:30	12/8/08		ART-9	RSW	X		X	X	

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	12/9/2008	1200pm
RECEIVED BY:				12/10	10:00a
RELINQUISHED BY:					
RECEIVED BY:					

C-O-C# 0

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

M Monthly Period

Andrew Eaton **Your MWL Project Manager**
(626) 386-1125 **Direct Phone/Voice Mail**

SO# 45763 12373 **RS**
0

Sampler: Please Return this Paper with your samples

Created by J.T.
Order Date 11/19/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
J.T.

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#
30	CLO4, TDS,	1 250 ml poly /no preservative	
	SHEET OF LABELS WITH WELL-IDS	see comments section	

Important Comments

Per Ed Krish 7-4-06 all samples will be TDS in lieu of EC
Monthly effective 11-30-07

PC-117, PC-118, PC-119,
PC-120, and PC-121
PC-116R
PC-99R2
PC-99R3
PC-115R
ART-1
ART-2
ART-3
ART-4
ART-5
ART-6
ART-7
ART-8
Seep Surface Flow
SF-1"
Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on
EXTRA BOTTLES INCLUDED
client code changed 7/25/03
Testcode updated 3-16-06
standing order changed 6-14-06
login note added 7-6-06 TDS

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 261012
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **12/10/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2812100419	ART-1	CLO4 TDS	Water	08-dec-2008 05:30:00
2812100420	ART-2	CLO4 TDS	Water	08-dec-2008 05:30:00
2812100421	ART-3	CLO4 TDS	Water	08-dec-2008 05:30:00
2812100422	ART-4	CLO4 TDS	Water	08-dec-2008 05:30:00
2812100423	ART-6	CLO4 TDS	Water	08-dec-2008 05:30:00
2812100424	ART-7	CLO4 TDS	Water	08-dec-2008 05:30:00
2812100425	ART-8	CLO4 TDS	Water	08-dec-2008 05:30:00
2812100426	PC-99R2/R3	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100427	PC-115R	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100428	PC-116R	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100429	SF-1	CLO4 TDS	Water	09-dec-2008 08:40:00
2812100430	PC-117	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100431	PC-118	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100432	PC-119	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100433	PC-120	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100434	PC-121	CLO4 TDS	Water	08-dec-2008 06:00:00
2812100435	PC-133	CLO4 TDS	Water	08-dec-2008 06:00:00

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 261012
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Matrix	Sample Date
	Tests Scheduled		
2812100436	ART-9	Water	08-dec-2008 05:30:00
	CLO4 TDS		

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

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Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: A Eaton

(QC Ref#: 2812100419)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100420)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100421)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100422)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.

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B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100423)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100424)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100425)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100426)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

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(QC Ref#: 2812100427)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100428)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100430)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100431)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100432)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.

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B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100433)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100434)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100435)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

(QC Ref#: 2812100436)
Test: Total Dissolved Solid (TDS) (E160.1/SM2540C)
LE - MRL Check recovery was above laboratory acceptance limits.
B7 - Target Analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

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Report
Comments
#261012

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Laboratory
Hits Report
#261012

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
10-dec-2008 20:22:55

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812100419	**ART-1**				
01/04/09	Perchlorate		146		ug/l	20
12/15/08	Total Dissolved Solid (TDS)		7780	500	mg/l	10
	2812100420	**ART-2**				
01/04/09	Perchlorate		54000		ug/l	20000
12/15/08	Total Dissolved Solid (TDS)		9760	500	mg/l	10
	2812100421	**ART-3**				
01/04/09	Perchlorate		288000		ug/l	20000
12/15/08	Total Dissolved Solid (TDS)		8780	500	mg/l	10
	2812100422	**ART-4**				
01/04/09	Perchlorate		318000		ug/l	20000
12/15/08	Total Dissolved Solid (TDS)		6650	500	mg/l	10
	2812100423	**ART-6**				
01/04/09	Perchlorate		202000		ug/l	20000
12/15/08	Total Dissolved Solid (TDS)		7840	500	mg/l	10
	2812100424	**ART-7**				
01/04/09	Perchlorate		140000		ug/l	8000
12/15/08	Total Dissolved Solid (TDS)		10100	500	mg/l	10
	2812100425	**ART-8**				

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
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1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report
#261012

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
10-dec-2008 20:22:55

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812100425	**ART-8**				
01/04/09	Perchlorate		227000		ug/l	20000
12/15/08	Total Dissolved Solid (TDS)		9920	500	mg/l	10
	2812100426	**PC-99R2/R3**				
01/04/09	Perchlorate		11000		ug/l	800
12/15/08	Total Dissolved Solid (TDS)		4960	500	mg/l	10
	2812100427	**PC-115R**				
01/04/09	Perchlorate		10600		ug/l	800
12/15/08	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	2812100428	**PC-116R**				
01/04/09	Perchlorate		9710		ug/l	400
12/15/08	Total Dissolved Solid (TDS)		4860	500	mg/l	10
	2812100429	**SF-1**				
12/15/08	Total Dissolved Solid (TDS)		5670	500	mg/l	10
	2812100430	**PC-117**				
01/04/09	Perchlorate		4440		ug/l	200
12/15/08	Total Dissolved Solid (TDS)		3580	500	mg/l	10
	2812100431	**PC-118**				
01/04/09	Perchlorate		9730		ug/l	400

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#261012

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
10-dec-2008 20:22:55

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812100431	**PC-118**				
12/15/08	Total Dissolved Solid (TDS)		4350	500	mg/l	10
	2812100432	**PC-119**				
01/05/09	Perchlorate		5000		ug/l	400
12/15/08	Total Dissolved Solid (TDS)		3550	500	mg/l	10
	2812100433	**PC-120**				
01/04/09	Perchlorate		860		ug/l	80
12/15/08	Total Dissolved Solid (TDS)		2490	500	mg/l	10
	2812100434	**PC-121**				
01/04/09	Perchlorate		1050		ug/l	80
12/15/08	Total Dissolved Solid (TDS)		2500	500	mg/l	10
	2812100435	**PC-133**				
01/04/09	Perchlorate		967		ug/l	200
12/15/08	Total Dissolved Solid (TDS)		2580	500	mg/l	10
	2812100436	**ART-9**				
01/04/09	Perchlorate		327000		ug/l	20000
12/15/08	Total Dissolved Solid (TDS)		7960	500	mg/l	10

SUMMARY OF POSITIVE DATA ONLY.

MWH Laboratories
A Division of MWH Americas, Inc.

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory
Data Report
#261012

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
12/10/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ART-1 (2812100419) Sampled on 12/08/08 05:30								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	146	ug/l	20	5
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7780(LEB7)	mg/l	10	1
ART-2 (2812100420) Sampled on 12/08/08 05:30								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	54000	ug/l	20000	5000
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9760(LEB7)	mg/l	10	1
ART-3 (2812100421) Sampled on 12/08/08 05:30								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	288000	ug/l	20000	5000
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8780(LEB7)	mg/l	10	1
ART-4 (2812100422) Sampled on 12/08/08 05:30								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	318000	ug/l	20000	5000
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6650(LEB7)	mg/l	10	1
ART-6 (2812100423) Sampled on 12/08/08 05:30								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	202000	ug/l	20000	5000
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7840(LEB7)	mg/l	10	1
ART-7 (2812100424) Sampled on 12/08/08 05:30								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	140000	ug/l	8000	2000
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	10100(LEB7)	mg/l	10	1
ART-8 (2812100425) Sampled on 12/08/08 05:30								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	227000	ug/l	20000	5000
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9920(LEB7)	mg/l	10	1

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Laboratory
Data Report
#261012

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-99R2/R3 (2812100426) Sampled on 12/08/08 06:00								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	11000	ug/l	800	200
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4960(LEB7)	mg/l	10	1
PC-115R (2812100427) Sampled on 12/08/08 06:00								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	10600	ug/l	800	200
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4700(LEB7)	mg/l	10	1
PC-116R (2812100428) Sampled on 12/08/08 06:00								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	9710	ug/l	400	100
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4860(LEB7)	mg/l	10	1
SF-1 (2812100429) Sampled on 12/09/08 08:40								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	ND	ug/l	10	5
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	5670	mg/l	10	1
PC-117 (2812100430) Sampled on 12/08/08 06:00								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	4440	ug/l	200	50
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3580(LEB7)	mg/l	10	1
PC-118 (2812100431) Sampled on 12/08/08 06:00								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	9730	ug/l	400	100
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4350(LEB7)	mg/l	10	1
PC-119 (2812100432) Sampled on 12/08/08 06:00								
	01/05/09 11:32	466814	(EPA 314)	Perchlorate	5000	ug/l	400	100
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3550(LEB7)	mg/l	10	1
PC-120 (2812100433) Sampled on 12/08/08 06:00								
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	860	ug/l	80	20
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2490(LEB7)	mg/l	10	1

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Laboratory
Data Report
#261012

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-121 (2812100434)			**Sampled on 12/08/08 06:00**					
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	1050	ug/l	80	20
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2500(LEB7)	mg/l	10	1
PC-133 (2812100435)			**Sampled on 12/08/08 06:00**					
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	967	ug/l	200	50
12/15/08	12/15/08 21:05	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2580(LEB7)	mg/l	10	1
ART-9 (2812100436)			**Sampled on 12/08/08 05:30**					
	01/04/09 01:20	466532	(EPA 314)	Perchlorate	327000	ug/l	20000	5000
12/15/08	12/15/08 21:10	464934	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7960(LEB7)	mg/l	10	1

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Laboratory
QC Summary
#261012

Tronox LLC - Henderson

QC Ref #464933 - Total Dissolved Solid (TDS) **Analysis Date: 12/15/2008**

2812100429	SF-1	Analyzed by: yaa

QC Ref #464934 - Total Dissolved Solid (TDS) **Analysis Date: 12/15/2008**

2812100419	ART-1	Analyzed by: yaa
2812100420	ART-2	Analyzed by: yaa
2812100421	ART-3	Analyzed by: yaa
2812100422	ART-4	Analyzed by: yaa
2812100423	ART-6	Analyzed by: yaa
2812100424	ART-7	Analyzed by: yaa
2812100425	ART-8	Analyzed by: yaa
2812100426	PC-99R2/R3	Analyzed by: yaa
2812100427	PC-115R	Analyzed by: yaa
2812100428	PC-116R	Analyzed by: yaa
2812100430	PC-117	Analyzed by: yaa
2812100431	PC-118	Analyzed by: yaa
2812100432	PC-119	Analyzed by: yaa
2812100433	PC-120	Analyzed by: yaa
2812100434	PC-121	Analyzed by: yaa
2812100435	PC-133	Analyzed by: yaa
2812100436	ART-9	Analyzed by: wbh

QC Ref #466532 - Perchlorate **Analysis Date: 01/04/2009**

2812100419	ART-1	Analyzed by: ser
2812100420	ART-2	Analyzed by: ser
2812100421	ART-3	Analyzed by: ser
2812100422	ART-4	Analyzed by: ser
2812100423	ART-6	Analyzed by: ser
2812100424	ART-7	Analyzed by: ser
2812100425	ART-8	Analyzed by: ser
2812100426	PC-99R2/R3	Analyzed by: ser
2812100427	PC-115R	Analyzed by: ser
2812100428	PC-116R	Analyzed by: ser
2812100429	SF-1	Analyzed by: ser
2812100430	PC-117	Analyzed by: ser
2812100431	PC-118	Analyzed by: ser
2812100433	PC-120	Analyzed by: ser
2812100434	PC-121	Analyzed by: ser
2812100435	PC-133	Analyzed by: ser
2812100436	ART-9	Analyzed by: ser

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Laboratory
QC Summary
#261012

Tronox LLC - Henderson
(continued)

QC Ref #466814 - Perchlorate **Analysis Date: 01/05/2009**

2812100432 PC-119 Analyzed by: ser

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Laboratory
QC Report
#261012

Tronox LLC - Henderson

QC Ref #464933 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12080200	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	520	518	MGL		(0-10)	0.4
LCS1	Total Dissolved Solid (TDS)	175	180	MGL	102.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	102.857	100.286	MGL	2.5	(0-20)	

QC Ref #464934 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12100419	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	7800	7780	MGL		(0-10)	0.3
LCS1	Total Dissolved Solid (TDS)	175	196	MGL	112.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	728	MGL	104.0	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	36	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	23	MGL	230.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	112.000	104.000	MGL	7.4	(0-20)	

QC Ref #466532 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12230423	UGL		(0-0)	
LCS1	Perchlorate	25.0	26.3	UGL	105.2	(85-115)	
LCS2	Perchlorate	25.0	24.5	UGL	98.0	(85-115)	
LCS3	Perchlorate	4	3.57	UGL	89.2	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.4	UGL	97.6	(80-120)	
MSD	Perchlorate	25.0	23.3	UGL	93.2	(80-120)	
RPD_LCS	Perchlorate	105.200	98.000	UGL	7.1	(0-15)	
RPD_MS	Perchlorate	97.600	93.200	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory
QC Report
#261012

Tronox LLC - Henderson
(continued)

QC Ref #466814 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12230916	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.9	UGL	95.6	(85-115)	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS3	Perchlorate	4	3.67	UGL	91.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.2	UGL	88.8	(80-120)	
MSD	Perchlorate	25.0	21.2	UGL	84.8	(80-120)	
RPD_LCS	Perchlorate	95.600	96.400	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	88.800	84.800	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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Laboratory Report

for

Tronox LLC - Henderson
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley
Fax: (405) 302-4607

DATE OF ISSUE
Jan 08 2009
MWH LABORATORIES

ADE Andy Eaton
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

Report#: 261275
Project: CLO4
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 15 page[s].

MWH

BUILDING A BETTER WORLD

January 9, 2009

Ms. Susan Crowley
Tronox
PO Box 55
Henderson, NV 89009

Subject: Case Narrative report 261275

Sample receipt: The samples arrived at MWH Laboratories, Monrovia, CA on December 12, 2008 with proper chain of custody. All containers were received without any visible signs of tampering or breakage at proper temperature. Samples are identified on the acknowledgement, which is part of the report package, along with the chain of custody.

Case Narrative:
For the MWH Laboratories data the following issues were observed:

Note that for ion chromatography analyses such as perchlorate, the exact analysis time is not typically shown on the report. Either a 00:00 is shown or the time of injection of the first sample in the batch.

Sincerely,

Andrew Eaton

Andrew Eaton, PhD
Project Manager

750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016

TEL 626-386-1100
FAX 626-386-1101
www.mwhlabs.com

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

261275

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: BM / DS

SAMPLE TEMP, RECEIPT AT LAB: 2

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	ClO_4	TDS	CR6010	CLO3	NO3	SAMPLER COMMENTS
			M-83	RSW	X		X	X				No Sample
11:15	12/10/08		M-87	RSW	X		X	X				
10:35	12/11/08		PC-98R	RSW	X		X	X				
8:21	12/9/08		PC-86	RSW	X		X	X				
8:08	12/9/08		PC-90	RSW	X		X	X				
8:00	12/8/08		PC-56	RSW	X		X	X				
7:55	12/8/08		PC-58	RSW	X		X	X				
8:10	12/8/08		PC-59	RSW	X		X	X				
8:05	12/8/08		PC-60	RSW	X		X	X				
8:15	12/8/08		PC-62	RSW	X		X	X				
8:20	12/8/08		PC-68	RSW	X		X	X				
9:15	12/9/08		PC-122	RSW	X		X	X				

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
RGW = Raw Ground Water
RSW = Raw Surface Water
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	12/11/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	[illegible]	[illegible]	12/12	13:12

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED/LOGGED IN BY: BM/KS

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO_4	TDS	CR6010	CLO3	NO3										SAMPLER COMMENTS
9:43	12/11/08		MW-K4	RSW	X		X	X													
10:36	12/9/08		ARP-1	RSW	X		X	X													
			ARP-2	RSW	X		X	X													NO SAMPLE
			ARP-3	RSW	X		X	X													NO SAMPLE
9:30	12/11/08		ARP-4A	RSW	X		X	X													
9:17	12/11/08		ARP-5A	RSW	X		X	X													
9:07	12/11/08		ARP-6B	RSW	X		X	X													
9:03	12/9/08		ARP-7	RSW	X		X	X													
8:41	12/11/08		PC-53	RSW	X		X	X													
9:58	12/11/08		PC-103	RSW	X		X	X													
8:53	12/11/08		MW-K5	RSW	X		X	X													

* MATRIX TYPES:

Reported by Volume:
- **CFW** = Chlor(am)inated Finished Water
- **FW** = Other Finished Water
- **RGW** = Raw Ground Water
- **RSW** = Raw Surface Water
- **CWW** = Chlorinated Waste Water
- **WW** = Other Waste Water
- **SW** = Storm Water

Reported by Weight:
- **SO** = Soil
- **SL** = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	12/11/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	[illegible]	[illegible]	12/12	13:12

C-O-C# 0

MONTGOMERY WATSON LABORATORIES — CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: 12/12/08

SAMPLE TEMP, RECEIPT AT LAB: 2°

BLUE ICE: FROZEN ✓ PARTIALLY FROZEN ___ THAWED ___

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME	PROJECT JOB # / P.O.#
KERRMCGEE-MP	Collection Wells Fields - Monthly - SO #12374

Sampler: Michele Brown — Michele Brown

Susan Crowley (702) 651-2200

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES [X] (check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CLO_4	TDS	CR6010	CLO3	NO3	SAMPLES SHIPPED DAILY DUE TO SHORT HOLDING FOR NO3	SAMPLER COMMENTS
8:34	12/9/08		PC-91	RSW	X		X	X					
7:54	12/9/08		PC-97	RSW	X		X	X					
10:06	12/9/08		PC-17	RSW	X		X	X					
10:20	12/9/08		PC-18	RSW	X		X	X					
9:05	12/10/08		PC-55	RSW	X		X	X					
			PC-101R	RSW	X		X	X					NO SAMPLE
10:43	12/10/08		L-635	RSW	X		X	X					
10:12	12/10/08		L-637	RSW	X		X	X					

* MATRIX TYPES:

Reported by Volume:
- **CFW** = Chlor(am)inated Finished Water
- **FW** = Other Finished Water
- **RGW** = Raw Ground Water
- **RSW** = Raw Surface Water
- **CWW** = Chlorinated Waste Water
- **WW** = Other Waste Water
- **SW** = Storm Water

Reported by Weight:
- **SO** = Soil
- **SL** = Sludge

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Michele Brown	Michele Brown	Veolia Water for Tronox LLC - Henderson Plant	12/11/2008	1200pm
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:		Jo Wade Mote	MWH	12/12	13:12

MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Avenue Suite 100
Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Tronox LLC- Henderson

Standing

Client Code KERRMCGEE-MP M Monthly Period
Project Code CLO4
PO# / Job# GWREMEDIATION
Blanket PO

Andrew Eaton **Your MWL Project Manager**
(626) 386-1125 **Direct Phone/Voice Mail**

SO# 45764 12374 **RS**
0

Sampler: Please Return this Paper with your samples

Created by J.T.
Order Date 11/19/08
Date Needed by Client
Date Samples to Arrive at MWL
SHIP LOCATION

Ship Sample Kits to
Veolia Water-Tronox LLC
Gate 1
8000 West Lake Mead Drive
Henderson, NV 89015

ATTN: Susan Crowley
PHONE: 702-651-2234

Send Report to
Tronox LLC Henderson Plant
PO Box 55
Henderson, NV 89009

ATTN: Susan Crowley
PHONE: 702-651-2234
FAX: 702-651-2310

Billing Address
Tronox LLC
Attn: Accounts Payable
PO BOX 268859
Oklahoma City, OK 73126-8859

Quote#
J.T.

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	
41	CLO4, TDS	1 250 ml poly /no preservative		
	SHEET OF LABELS WITH WELL-IDS	see comments section		

Important Comments

These sites are monthly till further notice.
Shipping - please send bottles in cooler rather than a box

PC-86, PC-89, PC-91, PC-95, PC-97, PC-10, PC-12, PC-17, PC-18, PC-55, PC-101R
L-635, L-637
MW-K2, MW-K4
ARP-1, ARP-2, ARP-3, ARP-4
ARP-5, ARP-6, ARP-7, PC-53
PC-103, MW-K5, M-83
M-87 , PC-98R; PC-56, PC-58; PC-59, PC-60, PC-62, PC-68, PC-122

Do NOT prelabel bottles with site, but provide pre-printed labels for client to stick on

EXTRA BOTTLES INCLUDED

client code changed 7/25/03

bottle order and IDs updated 9/9/03
testcodes updated 3-16-06
test changed from EC to TDS as

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By

MWH Laboratories
750 Royal Oaks Drive, Monrovia, CA 91016
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Tronox LLC - Henderson
PO Box 55
Henderson, NV 89009
Attn: Susan Crowley
Phone: 702-651-2234

Customer Code: KERRMCGEE-MP
PO#: Susan Crowley PO
Group#: 261275
Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

The following samples were received from you on **12/12/08**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2812130125	M-87	CLO4 TDS	Water	10-dec-2008 11:15:00
2812130126	PC-98R	CLO4 TDS	Water	11-dec-2008 10:35:00
2812130127	PC-86	CLO4 TDS	Water	09-dec-2008 08:21:00
2812130128	PC-90	CLO4 TDS	Water	09-dec-2008 08:08:00
2812130129	PC-56	CLO4 TDS	Water	08-dec-2008 08:00:00
2812130130	PC-58	CLO4 TDS	Water	08-dec-2008 07:55:00
2812130131	PC-59	CLO4 TDS	Water	08-dec-2008 08:10:00
2812130132	PC-60	CLO4 TDS	Water	08-dec-2008 08:05:00
2812130133	PC-62	CLO4 TDS	Water	08-dec-2008 08:15:00
2812130134	PC-68	CLO4 TDS	Water	08-dec-2008 08:20:00
2812130135	PC-122	CLO4 TDS	Water	09-dec-2008 09:15:00
2812130136	MW-K4	CLO4 TDS	Water	11-dec-2008 09:43:00
2812130137	ARP-1	CLO4 TDS	Water	09-dec-2008 10:36:00
2812130138	ARP-4A	CLO4 TDS	Water	11-dec-2008 09:30:00
2812130139	ARP-5A	CLO4 TDS	Water	11-dec-2008 09:17:00
2812130140	ARP-6B	CLO4 TDS	Water	11-dec-2008 09:07:00
2812130141	ARP-7	CLO4 TDS	Water	09-dec-2008 09:03:00

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Project#: CLO4
Proj Mgr: Andrew Eaton
Phone: (626) 386-1125

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2812130142	PC-53	CLO4 TDS	Water	11-dec-2008 08:41:00
2812130143	PC-103	CLO4 TDS	Water	11-dec-2008 09:58:00
2812130144	MW-K5	CLO4 TDS	Water	11-dec-2008 08:53:00
2812130145	PC-91	CLO4 TDS	Water	09-dec-2008 08:34:00
2812130146	PC-97	CLO4 TDS	Water	09-dec-2008 07:54:00
2812130147	PC-17	CLO4 TDS	Water	09-dec-2008 10:06:00
2812130148	PC-18	CLO4 TDS	Water	09-dec-2008 10:20:00
2812130149	PC-55	CLO4 TDS	Water	10-dec-2008 09:05:00
2812130150	L-635	CLO4 TDS	Water	10-dec-2008 10:43:00
2812130151	L-637	CLO4 TDS	Water	10-dec-2008 10:12:00

Test Acronym Description

Test Acronym	Description
CLO4	Perchlorate
TDS	Total Dissolved Solid (TDS)

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Report
Comments
#261275

Client Specific Comments

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Signature: _____

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Laboratory
Hits Report
#261275

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
12-dec-2008 13:12:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812130125	**M-87**				
01/05/09	Perchlorate		318000		ug/l	16000
12/17/08	Total Dissolved Solid (TDS)		3780	500	mg/l	10
	2812130126	**PC-98R**				
12/31/08	Perchlorate		13800		ug/l	2000
12/17/08	Total Dissolved Solid (TDS)		6700	500	mg/l	10
	2812130127	**PC-86**				
12/31/08	Perchlorate		1120		ug/l	80
12/15/08	Total Dissolved Solid (TDS)		2500	500	mg/l	10
	2812130128	**PC-90**				
12/31/08	Perchlorate		7490		ug/l	800
12/15/08	Total Dissolved Solid (TDS)		3870	500	mg/l	10
	2812130129	**PC-56**				
12/31/08	Perchlorate		7010		ug/l	400
12/15/08	Total Dissolved Solid (TDS)		4700	500	mg/l	10
	2812130130	**PC-58**				
12/31/08	Perchlorate		9620		ug/l	400
12/15/08	Total Dissolved Solid (TDS)		7230	500	mg/l	10
	2812130131	**PC-59**				

SUMMARY OF POSITIVE DATA ONLY.

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Samples Received
12-dec-2008 13:12:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812130131	**PC-59**				
12/31/08	Perchlorate		7020		ug/l	400
12/15/08	Total Dissolved Solid (TDS)		4290	500	mg/l	10
	2812130132	**PC-60**				
12/31/08	Perchlorate		7340		ug/l	400
12/15/08	Total Dissolved Solid (TDS)		4620	500	mg/l	10
	2812130133	**PC-62**				
12/31/08	Perchlorate		2550		ug/l	200
12/15/08	Total Dissolved Solid (TDS)		2910	500	mg/l	10
	2812130134	**PC-68**				
12/31/08	Perchlorate		63		ug/l	20
12/15/08	Total Dissolved Solid (TDS)		1940	500	mg/l	10
	2812130135	**PC-122**				
12/31/08	Perchlorate		13400		ug/l	800
12/15/08	Total Dissolved Solid (TDS)		9520	500	mg/l	10
	2812130136	**MW-K4**				
01/05/09	Perchlorate		77800		ug/l	8000
12/17/08	Total Dissolved Solid (TDS)		6940	500	mg/l	10
	2812130137	**ARP-1**				

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12-dec-2008 13:12:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812130137	**ARP-1**				
01/05/09	Perchlorate		2970		ug/l	200
12/16/08	Total Dissolved Solid (TDS)		6260	500	mg/l	10
	2812130138	**ARP-4A**				
12/31/08	Perchlorate		28000		ug/l	4000
12/17/08	Total Dissolved Solid (TDS)		4460	500	mg/l	10
	2812130139	**ARP-5A**				
12/31/08	Perchlorate		24000		ug/l	4000
12/17/08	Total Dissolved Solid (TDS)		6490	500	mg/l	10
	2812130140	**ARP-6B**				
12/31/08	Perchlorate		19400		ug/l	800
12/17/08	Total Dissolved Solid (TDS)		9740	500	mg/l	10
	2812130141	**ARP-7**				
01/03/09	Perchlorate		5410		ug/l	400
12/15/08	Total Dissolved Solid (TDS)		6620	500	mg/l	10
	2812130142	**PC-53**				
01/03/09	Perchlorate		1340		ug/l	200
12/17/08	Total Dissolved Solid (TDS)		4040	500	mg/l	10
	2812130143	**PC-103**				

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Samples Received
12-dec-2008 13:12:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812130143	**PC-103**				
01/03/09	Perchlorate		9470		ug/l	800
12/17/08	Total Dissolved Solid (TDS)		4180	500	mg/l	10
	2812130144	**MW-K5**				
01/03/09	Perchlorate		9840		ug/l	800
12/17/08	Total Dissolved Solid (TDS)		6600	500	mg/l	10
	2812130145	**PC-91**				
01/03/09	Perchlorate		16900		ug/l	800
12/15/08	Total Dissolved Solid (TDS)		7670	500	mg/l	10
	2812130146	**PC-97**				
01/03/09	Perchlorate		258		ug/l	40
12/15/08	Total Dissolved Solid (TDS)		2450	500	mg/l	10
	2812130147	**PC-17**				
01/03/09	Perchlorate		150000		ug/l	20000
12/15/08	Total Dissolved Solid (TDS)		9740	500	mg/l	10
	2812130148	**PC-18**				
01/03/09	Perchlorate		180000		ug/l	20000
12/16/08	Total Dissolved Solid (TDS)		9880	500	mg/l	10
	2812130149	**PC-55**				

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Henderson , NV 89009

Samples Received
12-dec-2008 13:12:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2812130149	**PC-55**				
01/05/09	Perchlorate		740		ug/l	80
12/16/08	Total Dissolved Solid (TDS)		8120	500	mg/l	10
	2812130150	**L-635**				
12/16/08	Total Dissolved Solid (TDS)		7500	500	mg/l	10
	2812130151	**L-637**				
12/16/08	Total Dissolved Solid (TDS)		6740	500	mg/l	10

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Laboratory
Data Report
#261275

Tronox LLC - Henderson
Susan Crowley
PO Box 55
Henderson , NV 89009

Samples Received
12/12/08

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
M-87 (2812130125) Sampled on 12/10/08 11:15								
	01/05/09 11:32	466814	(EPA 314)	Perchlorate	318000	ug/l	16000	4000
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3780	mg/l	10	1
PC-98R (2812130126) Sampled on 12/11/08 10:35								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	13800	ug/l	2000	500
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6700	mg/l	10	1
PC-86 (2812130127) Sampled on 12/09/08 08:21								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	1120	ug/l	80	20
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2500	mg/l	10	1
PC-90 (2812130128) Sampled on 12/09/08 08:08								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	7490	ug/l	800	200
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	3870	mg/l	10	1
PC-56 (2812130129) Sampled on 12/08/08 08:00								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	7010	ug/l	400	100
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4700	mg/l	10	1
PC-58 (2812130130) Sampled on 12/08/08 07:55								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	9620	ug/l	400	100
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7230	mg/l	10	1
PC-59 (2812130131) Sampled on 12/08/08 08:10								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	7020	ug/l	400	100
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4290	mg/l	10	1

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Laboratory
Data Report
#261275

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-60 (2812130132) Sampled on 12/08/08 08:05								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	7340	ug/l	400	100
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4620	mg/l	10	1
PC-62 (2812130133) Sampled on 12/08/08 08:15								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	2550	ug/l	200	50
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2910	mg/l	10	1
PC-68 (2812130134) Sampled on 12/08/08 08:20								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	63	ug/l	20	5
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	1940	mg/l	10	1
PC-122 (2812130135) Sampled on 12/09/08 09:15								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	13400	ug/l	800	200
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9520	mg/l	10	1
MW-K4 (2812130136) Sampled on 12/11/08 09:43								
	01/05/09 11:32	466814	(EPA 314)	Perchlorate	77800	ug/l	8000	2000
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6940	mg/l	10	1
ARP-1 (2812130137) Sampled on 12/09/08 10:36								
	01/05/09 11:32	466814	(EPA 314)	Perchlorate	2970	ug/l	200	50
12/16/08	12/16/08 18:05	464980	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6260	mg/l	10	1
ARP-4A (2812130138) Sampled on 12/11/08 09:30								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	28000	ug/l	4000	1000
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4460	mg/l	10	1
ARP-5A (2812130139) Sampled on 12/11/08 09:17								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	24000	ug/l	4000	1000
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6490	mg/l	10	1

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Laboratory
Data Report
#261275

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
ARP-6B (2812130140) Sampled on 12/11/08 09:07								
	12/31/08 09:31	466520	(EPA 314)	Perchlorate	19400	ug/l	800	200
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9740	mg/l	10	1
ARP-7 (2812130141) Sampled on 12/09/08 09:03								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	5410	ug/l	400	100
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6620	mg/l	10	1
PC-53 (2812130142) Sampled on 12/11/08 08:41								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	1340	ug/l	200	50
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4040	mg/l	10	1
PC-103 (2812130143) Sampled on 12/11/08 09:58								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	9470	ug/l	800	200
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	4180	mg/l	10	1
MW-K5 (2812130144) Sampled on 12/11/08 08:53								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	9840	ug/l	800	200
12/17/08	12/17/08 18:35	465282	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6600	mg/l	10	1
PC-91 (2812130145) Sampled on 12/09/08 08:34								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	16900	ug/l	800	200
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7670	mg/l	10	1
PC-97 (2812130146) Sampled on 12/09/08 07:54								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	258	ug/l	40	10
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	2450	mg/l	10	1
PC-17 (2812130147) Sampled on 12/09/08 10:06								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	150000	ug/l	20000	5000
12/15/08	12/15/08 23:05	464933	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9740	mg/l	10	1

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Laboratory
Data Report
#261275

Tronox LLC - Henderson
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
PC-18 (2812130148) Sampled on 12/09/08 10:20								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	180000	ug/l	20000	5000
12/16/08	12/16/08 18:05	464980	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	9880	mg/l	10	1
PC-55 (2812130149) Sampled on 12/10/08 09:05								
	01/05/09 11:32	466814	(EPA 314)	Perchlorate	740	ug/l	80	20
12/16/08	12/16/08 18:05	464980	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	8120	mg/l	10	1
L-635 (2812130150) Sampled on 12/10/08 10:43								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	ND	ug/l	10	5
12/16/08	12/16/08 20:06	464981	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	7500	mg/l	10	1
L-637 (2812130151) Sampled on 12/10/08 10:12								
	01/03/09 14:16	466534	(EPA 314)	Perchlorate	ND	ug/l	10	5
12/16/08	12/16/08 20:06	464981	(E160.1/SM2540C)	Total Dissolved Solid (TDS)	6740	mg/l	10	1

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Laboratory
QC Summary
#261275

Tronox LLC - Henderson

QC Ref #464933 - Total Dissolved Solid (TDS) Analysis Date: 12/15/2008

2812130127	PC-86	Analyzed by: yaa
2812130128	PC-90	Analyzed by: yaa
2812130129	PC-56	Analyzed by: yaa
2812130130	PC-58	Analyzed by: yaa
2812130131	PC-59	Analyzed by: yaa
2812130132	PC-60	Analyzed by: yaa
2812130133	PC-62	Analyzed by: yaa
2812130134	PC-68	Analyzed by: yaa
2812130135	PC-122	Analyzed by: yaa
2812130141	ARP-7	Analyzed by: yaa
2812130145	PC-91	Analyzed by: yaa
2812130146	PC-97	Analyzed by: yaa
2812130147	PC-17	Analyzed by: yaa

QC Ref #464980 - Total Dissolved Solid (TDS) Analysis Date: 12/16/2008

2812130137	ARP-1	Analyzed by: wbh
2812130148	PC-18	Analyzed by: wbh
2812130149	PC-55	Analyzed by: wbh

QC Ref #464981 - Total Dissolved Solid (TDS) Analysis Date: 12/16/2008

2812130150	L-635	Analyzed by: wbh
2812130151	L-637	Analyzed by: wbh

QC Ref #465282 - Total Dissolved Solid (TDS) Analysis Date: 12/17/2008

2812130125	M-87	Analyzed by: wbh
2812130126	PC-98R	Analyzed by: wbh
2812130136	MW-K4	Analyzed by: wbh
2812130138	ARP-4A	Analyzed by: wbh
2812130139	ARP-5A	Analyzed by: wbh
2812130140	ARP-6B	Analyzed by: wbh
2812130142	PC-53	Analyzed by: wbh
2812130143	PC-103	Analyzed by: wbh
2812130144	MW-K5	Analyzed by: wbh

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(continued)

QC Ref #466520 - Perchlorate **Analysis Date: 12/31/2008**

2812130126	PC-98R	Analyzed by: ser
2812130127	PC-86	Analyzed by: ser
2812130128	PC-90	Analyzed by: ser
2812130129	PC-56	Analyzed by: ser
2812130130	PC-58	Analyzed by: ser
2812130131	PC-59	Analyzed by: ser
2812130132	PC-60	Analyzed by: ser
2812130133	PC-62	Analyzed by: ser
2812130134	PC-68	Analyzed by: ser
2812130135	PC-122	Analyzed by: ser
2812130138	ARP-4A	Analyzed by: ser
2812130139	ARP-5A	Analyzed by: ser
2812130140	ARP-6B	Analyzed by: ser

QC Ref #466534 - Perchlorate **Analysis Date: 01/03/2009**

2812130141	ARP-7	Analyzed by: ser
2812130142	PC-53	Analyzed by: ser
2812130143	PC-103	Analyzed by: ser
2812130144	MW-K5	Analyzed by: ser
2812130145	PC-91	Analyzed by: ser
2812130146	PC-97	Analyzed by: ser
2812130147	PC-17	Analyzed by: ser
2812130148	PC-18	Analyzed by: ser
2812130150	L-635	Analyzed by: ser
2812130151	L-637	Analyzed by: ser

QC Ref #466814 - Perchlorate **Analysis Date: 01/05/2009**

2812130125	M-87	Analyzed by: ser
2812130136	MW-K4	Analyzed by: ser
2812130137	ARP-1	Analyzed by: ser
2812130149	PC-55	Analyzed by: ser

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QC Report
#261275

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QC Ref #464933 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12080200	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	520	518	MGL		(0-10)	0.4
LCS1	Total Dissolved Solid (TDS)	175	180	MGL	102.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	702	MGL	100.3	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	13	MGL	130.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	102.857	100.286	MGL	2.5	(0-20)	

QC Ref #464980 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12090411	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	608	610	MGL		(0-10)	0.3
LCS1	Total Dissolved Solid (TDS)	175	182	MGL	104.0	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	690	MGL	98.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	6	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	104.000	98.571	MGL	5.4	(0-20)	

QC Ref #464981 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12100086	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	308	306	MGL		(0-10)	0.7
LCS1	Total Dissolved Solid (TDS)	175	166	MGL	94.9	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	680	MGL	97.1	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	94.857	97.143	MGL	2.4	(0-20)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

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(continued)

QC Ref #465282 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	12110158	MGL		(0-0)	
DUP	Total Dissolved Solid (TDS)	436	472	MGL		(0-10)	7.9
LCS1	Total Dissolved Solid (TDS)	175	186	MGL	106.3	(80-114)	
LCS2	Total Dissolved Solid (TDS)	700	690	MGL	98.6	(80-114)	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	11	MGL	110.0	(50-150)	
RPD_LCS	Total Dissolved Solid (TDS)	106.286	98.571	MGL	7.5	(0-20)	

QC Ref #466520 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12130063	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS2	Perchlorate	25.0	22.9	UGL	91.6	(85-115)	
LCS3	Perchlorate	4	3.47	UGL	86.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.2	UGL	84.8	(80-120)	
MSD	Perchlorate	25.0	22.1	UGL	88.4	(80-120)	
RPD_LCS	Perchlorate	96.400	91.600	UGL	5.1	(0-15)	
RPD_MS	Perchlorate	84.800	88.400	UGL	1.0	(0-15)	

QC Ref #466534 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12240026	UGL		(0-0)	
LCS1	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS2	Perchlorate	25.0	24.0	UGL	96.0	(85-115)	
LCS3	Perchlorate	4	3.34	UGL	83.5	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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(continued)

MS	Perchlorate	25.0	21.4	UGL	85.6	(80-120)
MSD	Perchlorate	25.0	22.6	UGL	90.4	(80-120)
RPD_LCS	Perchlorate	96.000	96.000	UGL	0.0	(0-15)
RPD_MS	Perchlorate	85.600	90.400	UGL	1.1	(0-15)

QC Ref #466814 Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 28	12230916	UGL		(0-0)	
LCS1	Perchlorate	25.0	23.9	UGL	95.6	(85-115)	
LCS2	Perchlorate	25.0	24.1	UGL	96.4	(85-115)	
LCS3	Perchlorate	4	3.67	UGL	91.8	(75-125)	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	22.2	UGL	88.8	(80-120)	
MSD	Perchlorate	25.0	21.2	UGL	84.8	(80-120)	
RPD_LCS	Perchlorate	95.600	96.400	UGL	0.8	(0-15)	
RPD_MS	Perchlorate	88.800	84.800	UGL	1.0	(0-15)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

Appendix C

Correspondence with NDEP

ndep
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
protecting the future for generations

STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Jim Gibbons, Governor
Allen Biaggi, Director
Leo M. Drozdoff, P.E., Administrator

October 6, 2008

Susan Crowley
Tronox LLC
PO Box 55
Henderson, Nevada 89009

Re: **Tronox LLC (TRX)**
NDEP Facility ID #H-000539
Nevada Division of Environmental Protection (NDEP) Response to:
Annual Remedial Performance Report for Chromium and Perchlorate, Tronox LLC, Henderson, Nevada, July 2007 – June 2008
Dated August 25, 2008

Dear Ms. Crowley,

The NDEP has received and reviewed TRX's Annual Report identified above and provides comments in Attachment A. TRX should provide an annotated response-to-comments (RTC) letter as part of the next Annual Report submittal with the following exceptions:

- Appendix B – Groundwater (GW) Capture Evaluation, TRX should respond to the comments in Attachment A for this appendix in a separate RTC that should be included in a Revised GW Capture Evaluation submitted as a stand-alone document. Please advise the NDEP **by October 13, 2008** regarding the schedule for this resubmittal.

- Appendix E – Data Validation Summary Report (DVSR), TRX should resubmit the DVSR for this Annual Report **by November 7, 2008** that addresses the comments provided in Attachment A. This may also be addressed as a stand-alone submittal.

Please contact the undersigned with any questions at sharbour@ndep.nv.gov or (702) 486-2850 extension 240.

Sincerely,

Shannon Harbour, P.E.
Staff Engineer III
Bureau of Corrective Actions
Special Projects Branch
NDEP-Las Vegas Office

SH:bar:sh

CC: Jim Najima, NDEP, BCA, Carson City
Brian Rakvica, NDEP, BCA, Las Vegas
Keith Bailey, Environmental Answers LLC, 3229 Persimmon Creek Drive, Edmond, OK 73013
Sally Bilodeau, ENSR, 1220 Avenida Acaso, Camarillo, CA 93012-8727
Barry Conaty, Holland & Hart LLP, 975 F Street, N.W. Suite 900, Washington, D.C. 20004
Brenda Pohlmann, City of Henderson, PO Box 95050, Henderson, NV 89009
Mitch Kaplan, U.S. Environmental Protection Agency, Region 9, mail code: WST-5, 75 Hawthorne Street, San Francisco, CA 94105-3901
Ebrahim Juma, DAQEM, PO Box 551741, Las Vegas, NV, 89155-1741
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Joe Kelly, Montrose Chemical Corporation of CA, 600 Ericksen Avenue NE, Suite 380, Bainbridge Island, WA 98110
Paul Hackenberry, Hackenberry Associates, LLC, 550 W. Plumb Lane B425, Reno, NV 89509
Dave Gratson, Neptune and Company, 1505 15th Street, Suite B, Los Alamos, NM 87544

Attachment A

1. Section 2.0, page 2-1, TRX stated that "January/February 2008" data from TIMET was used to base the potentiometric surface in Plate 2; however, Appendix A includes May 2008 data from the TIMET wells. Please clarify whether January/February 2008 data was used and if it was, please justify its use over the May 2008 data.
2. Section 2.1, page 2-1, last paragraph, NDEP has the following comments:
   a. TRX stated that eight pumping wells were "turned off until static water levels were reached." Please list which wells were turned off.
   b. TRX used the term "section" in the paragraph when referring to Figure 2: East-West Hydrogeologic Cross Section. Please use the term "cross-section" in future reporting.
   c. TRX stated that "Recent installation of new wells on both ends of the barrier wall has affirmed the presence of inter-channel Muddy Creek ridges at both ends of the barrier wall. The tops of these bounding ridges are shown in the section to be above the adjacent potentiometric surface – separating the saturated alluvium at TIMET well CLD2-R from Interceptor well I-K on the east." Please discuss the implications of this statement as it relates to contaminant fate and transport.
   d. TRX uses the term "subparallel" to describe narrow alluvial channels separated by Muddy Creek ridges. Please define this term and provide discussion on the significance of these channels.
3. Section 2.2, page 2-3, 1st paragraph, TRX states that the Athens Road Well Field wells with the most subsidence are identified. Please clarify where these wells are identified.
4. Section 3.3, page 3-4, 2nd paragraph, the text in this paragraph is not consistent with Figure 10. Please revise either the text or the figure as appropriate for consistency.
5. Figures, NDEP has the following comments:
   a. Figure 2, NDEP has the following comments:
      i. TRX should include perchlorate and chromium concentration data for all wells sampled on the referenced date on this figure. Please address this comment in future submittals.
      ii. TRX should submit a separate figure of this cross-section that indicated which wells were shut-down between June 2 – 4, 2008, as stated in the last paragraph on page 2-1, with the resulting groundwater elevations measured as a result of this test for comparison.
   b. Figure 3, TRX should include perchlorate and chromium concentration data for all wells sampled on the referenced date on this figure. Please address this comment in future submittals.
   c. Figure 6, the current scale of this figure renders the data useless. Please revise the scale of the figure to improve readability in future submittals.
   d. Figure 10, text in 2nd paragraph on page 3-4 is not consistent with this figure. Please revise either the text or the figure as appropriate for consistency.
   e. Figure 11, the timeframe referenced in this figure should correspond with timeframe referenced on the report (i.e. July 2007 – June 2008). Please revise in future submittals.
   f. Figure 21, this figure referenced a Figure 21a that is not included in this report. Please correct this in future submittals.
6. Plates, NDEP has the following comments:

a. General comment, Plates should include data collected from the AMPAC and BRC wells shown on the Plates. Please include in future submittals.
b. General comment, Plates should at a minimum include all of the wells shown in the cross-sections (Figures 2 – 4). (e.g. Wells L639 and L641 are included in Figure 3 but are not shown on the Plates.)
c. Plate 2, NDEP has the following comments:
   i. General comment, this plate is not consistent with the Appendix A table. Please address this comment in future submittals.
   ii. Contours, TRX should note that dashed lines should be used only when there is not enough data presented due to well spacing, etc. Otherwise, if there is sufficient well data, the contour lines should be presented as a solid line. TRX should review the contour lines presented in this plate especially on the southern portion of the facility.
   iii. Inset B, it appears that 5-foot intervals were used in this Inset for the potentiometric surface contour lines. NDEP noted that there were several instances where additional contour lines should have been included using a 5-foot interval. Please add contour lines as appropriate to address this comment in future submittals.

7. Appendix A, TRX should provide the data for all wells posted on the figures and plates in this appendix. (e.g. Most of the TIMET wells posted on Plates 1 - 5 do not have data listed in this table.)
8. Appendix B, NDEP has the following comments:
   a. General comment, all Annual Performance Report (July 2007 – June 2008) data and figures referenced in the Appendix B GW Capture Evaluation should be included in revised stand-alone submittal. (Any comments made on these figures in this letter should be addressed in the Revised GW Capture Evaluation.)
   b. Section 1.2, page 1-2, 3rd bullet, the NDEP does not support the use of well pairs; please provide 3-point gradient solutions.
   c. Section 2.0, general comment, TRX should provide a schedule **by October 13, 2008** for all additional work proposed in this section to address the identified data gaps.
   d. Section 2.1.1, page 2-2, 1st Data Gap, Results, NDEP has the following comments:
      i. TRX should additionally include potential leakage under the barrier wall to this data gap.
      ii. 1st paragraph, please clarify whether there a reference figure or analysis to demonstrate that the mound dissipated. If none is provided, then please provide a figure or analysis to demonstrate that the mound dissipated.
      iii. 2nd paragraph, please provide a map or data to support the conclusion that "the barrier wall has negligible leakage."
      iv. This section and all similar sections need to consider and discuss the density of the water relative to vertical gradients. This comment will not be repeated for the remaining sections.
      v. Section 2.1.1, page 2-3, 2nd Data Gap, Results, 3rd paragraph, please clarify whether groundwater density is a factor in regards to groundwater head in the calculations for vertical groundwater gradient. TRX should discuss this point and support discussion with data in the Revised GW Capture Evaluation. (Please note that this comment should be applied to other areas of this document as appropriate.)

e. Section 2.1.1, page 2-4, 3rd Data Gap, 1st paragraph, TRX states that the "theoretical pumping rates for most of the wells were improved". Please discuss whether actual observed pumping rates improved in these wells.
f. Section 2.1.1, page 2-4, 4th Data Gap, Results, NDEP has the following comments,
   i. 2nd paragraph, TRX stated that, "The results from well I-T provided adequate drawdown data in adjacent observation wells to estimate the pumping well efficiency, which was estimated to be about 84 percent." Based on the calculation provided in Attachment B, the pumping well efficiency is about 20 percent. Please review the data and calculations for resubmittal in the Revised GW Capture Evaluation.
   ii. 2nd paragraph, TRX states that, "The absence of drawdown beyond 20 to 25 feet is likely a function (of) well spacing..." Drawdown during an aquifer test is not a function of well spacing. Please remove the text in future submittals.
   iii. 3rd paragraph, NDEP does not concur that this data gap has been addressed based on the results presented in Attachment E to the GW Capture Evaluation. One of the four tests presented was successful and the one successful test was incorrectly analyzed. Please review the data and calculations for resubmittal in the Revised GW Capture Evaluation.
   iv. 3rd paragraph, TRX states "In the future, additional distance drawdown testing will be considered..." It is not clear what is precluding TRX from completing this work; please provide a schedule for implementation.
   v. 3rd paragraph, last sentence, TRX states that "Well efficiency data derived from the testing of well I-T will be used to contour pumping data from this well." TRX should note that the well efficiency for well I-T was calculated incorrectly. Please review the data and calculations for resubmittal in the Revised GW Capture Evaluation.
g. Section 2.1.2, page 2-5, Capture Zone, TRX states, "...the barrier wall and Interceptor well field is stopping the downgradient flow of perchlorate above 35 mg/L on the east end and 120 mg/L on the west end." The data on Plate 4, Inset B do not support this conclusion for the west end. Please review the Plate and associated data to address this comment.
h. Section 2.1.2, page 2-5, Capture Zone, TRX states that "Considering this average concentration up gradient of the barrier wall..." As commented in previous document responses, NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.
i. Section 2.1.2, page 2-5, flow budget, it is suggested that TRX install wells within the Muddy Creek formation to address potential underflow issues and to refine the flow budget.
j. Section 2.1.2, page 2-7, Downgradient Concentration Declines over Time, one of the reasons that NDEP requested wells at the east and west ends of the barrier wall was so that flow at both ends of the barrier could be calculated; and thus, calculations could be made on a mass basis. Furthermore, concentration versus time series graphs are requested to present and discuss concentration declines over time.
k. Section 2.1.2, page 2-7, Overlapping Cones of Depression, please provide a map at the scale of Plate 1 for groundwater elevation and contour.
l. Section 2.1.4, page 2-8, Data Gaps, TRX should be include an additional data gap that discusses the upper most water bearing zone (water table) flow around the eastern and

western ends of the barrier wall using data from the new wells. If there is insufficient data for this, then TRX should propose additional wells for this purpose.

m. Section 2.2, page 2-8, last paragraph, 2nd bullet, TRX should note that McGinley recommended five new wells be installed. Please revise the text accordingly.
n. Section 2.2.1, page 2-9, 1st Data Gap, Results, TRX should discuss groundwater density as an influencing factor in regards to groundwater head. Please revise the text accordingly and support the discussion with data.
o. Section 2.2.1, page 2-10, 1st paragraph, the referenced Plate 2 (in the GW Capture Evaluation) shows the net drawdown. Please provide a groundwater elevation map at the same scale as the GW Capture Evaluation Plate 2.
p. Section 2.2.2, page 2-10, Capture Zone, NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.
q. Section 2.2.2, page 2-10, Flow Budget, the analysis and discussion herein do not meet the EPA (2005) capture zone evaluation requirement. The EPA referenced document indicates that groundwater flow be calculated via Darcy's law and the results are compared to actual flow rate. Please revise the text and calculations accordingly.
r. Section 2.2.2, page 2-10, Overlapping Cones of Depression, TRX should note that there is very limited control for constructing the drawdown contours as drawn on Plate 2. Please discuss this in the Revised GW Capture Evaluation.
s. Section 2.2.2, page 2-11, Downgradient Concentration Declines over Time, both PC-98R and MW-K5 appear asymptotic (Figures 24 and 24A, Annual Remedial Performance Report). Please review and evaluate the long term trends and revise the text accordingly in the Revised GW Capture Evaluation.
t. Section 2.2.3, page2-11, Data Gaps and Proposed Additional Evaluation, this section is incomplete. Please review the above-comments to assist in identifying additional data gaps. The text of the Revised GW Capture Evaluation should be revised accordingly.
u. Section 2.3, page 2-11, last paragraph, please note that NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.
v. Section 2.3.1, page 2-12, Overlapping Cones of Depression, please provide a map at the scale of Plate 1 for groundwater elevation and contour.
w. Section 2.3.1, page 2-12, Downgradient Concentration Declines over Time, NDEP has the following comments:
    i. 1st sentence, please note that NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.
    ii. 2nd sentence, TRX should note that this section references concentration declines over time; mass is related to concentration but also includes flow. Please revise the Revised GW Capture Evaluation as necessary to clarify the difference in these two concepts.
x. Section 3.0, page 3-1, please update this section based on the comments contained in this letter.
y. Figure 3, please discuss how the represented vertical gradients relate to density driven flow. This comment also applies to Figures 5 and 7.
z. Tables, NDEP has the following comments:

i. Table 1, NDEP has the following comments:
   1. TRX should note that NDEP has recommended ASTM methods for all physical property analysis.
   2. In the following columns where two or more methods are listed, please clarify which method was used and whether the two methods are the same.
      a. Moisture Content – ASTM D2216 and API RP 40
      b. Effective permeability – ASTM D5084, API RP 40, and USEPA 9100 (Please note that TRX response (dated Nov. 28, 2007) to NDEP Comment #6 indicates that the ASTM method would be employed for the analysis.)
      c. Hydraulic conductivity ASTM D5084, API RP 40, and USEPA 9100

ii. Table 3, TRX should provide the TDS concentrations for these wells and determine whether there are density effects that may influence the calculated vertical gradients. Please revise the Revised GW Capture Evaluation accordingly.

iii. Table 4, the NDEP has the following comments:
   1. NDEP did not observe that mass flux calculations were completed in this table. Please include these calculations in the Revised GW Capture Evaluation.
   2. TRX should additionally include data east of I-Z.

aa. Attachment A, NDEP and TRX Correspondence, NDEP has the following comments:
   i. TRX should note that NDEP's Response (dated December 12, 2007) to TRX's *Response to Nevada Division of Environmental Protection (NDEP) Comments to the Revised Work Plan to Evaluate Effective Groundwater Capture* at Tronox LLC, Henderson, Nevada (dated November 28, 2007) was not included in this attachment. Please include this letter in the Revised GW Capture Evaluation.
   ii. TRX's November, 20, 2007 response-to-comments (RTC), RTC 8, TRX should note that NDEP has previously indicated that overlapping cones of depression need to include the text as indicated in the NDEP Comment #8. The difficulty with utilizing drawdown to indicate capture zone is that drawdown does not include the prevailing hydraulic gradient in its calculation. Drawdown and capture only coincide when the prevailing hydraulic gradient is zero. In the case of the Athens Road Well Field an argument could be made, if the gradient is sufficiently flat, that the paleochannel geometry, extraction well locations, and overlapping cones of depression combine to form one line of evidence.

bb. Attachment D, please provide the survey data for wells M-129 and M-130 in the Revised GW Capture Evaluation.

cc. Attachment E, Distance Drawdown Data and Graphs – Interceptor Well Field and Barrier Wall, TRX should recalculate the well efficiencies in the Revised GW Capture Evaluation based on NDEP's following comments:
   i. General comment, please note that NDEP used the following reference for the comments below: Roscoe Moss Company, 1990. Handbook of Ground Water Development. John Wiley & Sons, NY, pages 308 and 493.
   ii. General comment, the formula provided by TRX for well efficiency is incorrect. The correct formula is Aquifer Loss / Total Drawdown * 100%. Aquifer Loss at an extraction well is determined by first using linear regression on the groundwater elevation (GWE) at T = X. Using the regression line equation, a T = 0 GWE can be calculated for the extraction well. The difference between the observed T = 0 GWE and the calculated T=0 GWE is the Aquifer Loss.

iii. Pumping well I-K, NDEP has the following comments:
   1. NDEP noted that the GWE at T=0 data points are nearly equal to T=200 data points. This could possibly mean that insufficient time elapsed for complete water level recovery and/or that other factors have a greater influence on the data points.
   2. TRX should note that at a flow rate of 0.40 gpm in I-K and with the closest observation well was 66.2 ft; extraction at well I-K would likely have had little if any effect on the observation wells.

iv. Pumping well I-N, NDEP has the following comments:
   1. If a linear regression is run for the GWE data for each well versus distance from pumping well at T = 150 minutes the R^2 value (0.3222) indicates that GWE has low relationship to distance from extraction well (i.e. other factors are likely to have greater influence); as opposed TRX's statement that there is "insufficient data to estimate well efficiency." This is at least partially due to the relatively large distance from the extraction well to the observation wells and comparatively low flow rate.
   2. NDEP also noted that at T=0 GWE data points are nearly equal to T=150 data points at the observation wells. This could possibly mean that insufficient time elapsed for complete water level recovery and/or that other factors have a greater influence on the data points.

v. Pumping well I-T, based on the well efficiency formula presented above, the well efficiency calculated by TRX is incorrect.

dd. Pumping well I-R, while the NDEP concur that two data points are really not sufficient for analysis, the data suggest that the extraction well may quite inefficient based on the formula presented above.

9. Appendix E, NDEP has the following comments:
   a. General comment, TRX should provide only the records applicable to a DVSR in the database that is included with each DVSR. This practice would not only facilitate review of the DVSR but also provide a more cost-effective means of incorporating new data into the regional database maintained by NDEP.
   b. Section 2.0, TRX indicates that 10% of the data packages were subject to full validation. Based on Table 4, there were 140 unique SDGs and only samples from two SDGs (239631, and 230066) were bolded indicating full validation. This equals 29 samples out of 790. To clarify, a minimum of 10% of the samples should undergo full Level IV data validation. If this full data validation indicates anomalous quality assurance problems, the number of samples validated should be expanded. TRX should resubmit the DVSR after a minimum of 10% of the samples have completed full Level IV data validation.
   c. Section 3.1, paragraph 2, TRX should correct the text to reflect EPA Method is 218.6 (incorrectly typed as 281.6).

Tronox Response to October 6, 2008 NDEP Comments on
Annual Remedial Performance Report dated August 25, 2008

NDEP Comment

1. Section 2.0, page 2-1, TRX stated that "January/February 2008" data from TIMET was used to base the potentiometric surface in Plate 2; however, Appendix A includes May 2008 data from the TIMET wells. Please clarify whether January/February 2008 data was used and if it was, please justify its use over the May 2008 data.

Tronox Response

No data were available from TIMET from the May 2008 time period so the most recent data available from TIMET (January/February 2008) was used in the construction of the plates in the report. Appendix A contains samples from TIMET wells CLD-1R and CLD-2R collected by TRX in May 2008.

NDEP Comment

2. Section 2.1, page 2-1, last paragraph, NDEP has the following comments:
   a. TRX stated that eight pumping wells were "turned off until static water levels were reached." Please list which wells were turned off.
   b. TRX used the term "section" in the paragraph when referring to Figure 2: East-West Hydrogeologic Cross Section. Please use the term "cross-section" in future reporting.
   c. TRX stated that "Recent installation of new wells on both ends of the barrier wall has affirmed the presence of inter-channel Muddy Creek ridges at both ends of the barrier wall. The tops of these bounding ridges are shown in the section to be above the adjacent potentiometric surface – separating the saturated alluvium at TIMET well CLD2-R from Interceptor well I-K on the east." Please discuss the implications of this statement as it relates to contaminant fate and transport.
   d. TRX uses the term "subparallel" to describe narrow alluvial channels separated by Muddy Creek ridges. Please define this term and provide discussion on the significance of these channels.

Tronox Response

2.a. A total of 10 pumping wells were turned off. From west to east they were I-B, R, L, E, N, F, T, U, O, and J.
2.b. The term "cross-section" will be used in future reporting.
2.c. The unsaturated Muddy Creek Fm. ridge between wells I-K and CLD2-R prevents perchlorate and chromium from the TRX site from moving cross-gradient onto the TIMET site in the alluvium.
2.d. The term "subparallel" is defined as nearly or not quite parallel. Narrow alluvial channels, trending NNW, have eroded into the underlying Muddy Creek Fm. and act as conduits for downgradient flow of impacted shallow groundwater.

NDEP Comment

3. Section 2.2, page 2-3, 1st paragraph, TRX states that the Athens Road Well Field wells with the most subsidence are identified. Please clarify where these wells are identified.

Tronox Response

The wells with the most subsidence are identified in the text and on Figure 6 of the Annual Remedial Performance Report for Chromium and Perchlorate, July 2007-June 2008. However, the text box on Figure 6 was inadvertently shrunk and only identified wells PC-17, ART-3 and ART-4. The fourth well, ART-6, identified in the text, was not identified on the figure.

NDEP Comment

4. Section 3.3, page 3-4, 2nd paragraph, the text in this paragraph is not consistent with Figure 10. Please revise either the text or the figure as appropriate for consistency.

Tronox Response

The figure has been corrected.

NDEP Comment

5. Figures, NDEP has the following comments:
   a. Figure 2, NDEP has the following comments:
      i. TRX should include perchlorate and chromium concentration data for all wells sampled on the referenced date on this figure. Please address this comment in future submittals.
      ii. TRX should submit a separate figure of this cross-section that indicated which wells were shut-down between June 2 – 4, 2008, as stated in the last paragraph on page 2-1, with the resulting groundwater elevations measured as a result of this test for comparison.
   b. Figure 3, TRX should include perchlorate and chromium concentration data for all wells sampled on the referenced date on this figure. Please address this comment in future submittals.
   c. Figure 6, the current scale of this figure renders the data useless. Please revise the scale of the figure to improve readability in future submittals.
   d. Figure 10, text in 2nd paragraph on page 3-4 is not consistent with this figure. Please revise either the text or the figure as appropriate for consistency.
   e. Figure 11, the timeframe referenced in this figure should correspond with timeframe referenced on the report (i.e. July 2007 – June 2008). Please revise in future submittals.
   f. Figure 21, this figure referenced a Figure 21a that is not included in this report. Please correct this in future submittals.

Tronox Response

5.a.i. TRX will include perchlorate and chromium concentration data for all wells sampled on the referenced date on this figure.
5.a.ii. This cross section already shows the wells that were shut down and the resulting groundwater elevations measured as a result of this test but this was not noted in the legend. Note that wells I-B, R, L, E, N, F, T, U, O and J have both the solid depth to water triangle symbols indicating static water levels and pumping well symbols (open triangle with "P") indicating the pumping water levels.
5.b. Figure 3 already shows the perchlorate and chromium concentration data for all wells sampled on the referenced date on this figure .
5.c. The scale will be revised in future submittals.
5.d. The figure has been corrected.
5.e. In future submittals the timeframe referenced in Figure 11 will correspond with the timeframe referenced on the report
5.f. Figure 21A was mistakenly omitted from this report. This will be corrected.

NDEP Comment

6. Plates, NDEP has the following comments:
   a. General comment, Plates should include data collected from the AMPAC and BRC wells shown on the Plates. Please include in future submittals.
   b. General comment, Plates should at a minimum include all of the wells shown in the cross-sections (Figures 2 – 4). (e.g. Wells L639 and L641 are included in Figure 3 but are not shown on the Plates.)
   c. Plate 2, NDEP has the following comments:
      i. General comment, this plate is not consistent with the Appendix A table. Please address this comment in future submittals.
      ii. Contours, TRX should note that dashed lines should be used only when there is not enough data presented due to well spacing, etc. Otherwise, if there is sufficient well data, the contour lines should be presented as a solid line. TRX should review the contour lines presented in this plate especially on the southern portion of the facility.
      iii. Inset B, it appears that 5-foot intervals were used in this Inset for the potentiometric surface contour lines. NDEP noted that there were several instances where additional contour lines should have been included using a 5-foot interval. Please add contour lines as appropriate to address this comment in future submittals.

Tronox Response

6.a. In future Semi-Annual Performance Reports due on August 28th of each year, Plate 1 will show all active and abandoned wells and soil borings. Data plates will only show sampled active wells. Other company data will be included only if these data are provided to TRX by a cutoff date of July 10th.

6.b. TRX does not post plugged and abandoned or lost wells on the data plates because the plates would be rendered unreadable. L639, for example, is filled with dirt and L641 is lost and presumably filled with dirt due to bulldozing in the area. In future Semi-Annual Performance Reports due on August 28th of each year, Plate 1 will show all active and abandoned wells and soil borings and the lines of cross section.

6.c.i. The Appendix A table lists only validated data collected by TRX for the last five quarters. Other company data, sampled by them, do not belong in this table.

6.c.ii. The legend on the Potentiometric Surface Map (Plate 2) states that where the shallow groundwater is in the upper part of the Muddy Creek Fm. the contours are dashed (i.e. the southern part of the map area). TRX will continue to map this distinction using long dashes.

6.c.iii. TRX will add contour lines where appropriate.

NDEP Comment

7. Appendix A, TRX should provide the data for all wells posted on the figures and plates in this appendix. (e.g. Most of the TIMET wells posted on Plates 1 - 5 do not have data listed in this table.)

Tronox Response

Appendix A lists only validated data collected by TRX for the last five quarters. It has never been meant to list data collected by other companies.

As discussed in Responses 1 and 6 above, TRX used January/February 2008 from TIMET because no April/May 2008 data were provided by TIMET. In addition, no data were provided by AMPAC or BRC. In the future, if TRX is provided with other company data by the cutoff date of July 10th then TRX will include these data on the plates. A separate appendix will be provided that lists the data (validated or unvalidated) provided by the other companies in the same form that these data are provided to TRX.

NDEP Comment

8. Appendix B, NDEP has the following comments:
   a. General comment, all Annual Performance Report (July 2007 – June 2008) data and figures referenced in the Appendix B GW Capture Evaluation should be included in revised stand-alone submittal. (Any comments made on these figures in this letter should be addressed in the Revised GW Capture Evaluation.)
   b. Section 1.2, page 1-2, 3rd bullet, the NDEP does not support the use of well pairs; please provide 3-point gradient solutions.
   c. Section 2.0, general comment, TRX should provide a schedule **by October 13, 2008** for all additional work proposed in this section to address the identified data gaps.
   d. Section 2.1.1, page 2-2, 1st Data Gap, Results, NDEP has the following comments:
      i. TRX should additionally include potential leakage under the barrier wall to this data gap.
      ii. 1st paragraph, please clarify whether there a reference figure or analysis to demonstrate that the mound dissipated. If none is provided, then please provide a figure or analysis to demonstrate that the mound dissipated.
      iii. 2nd paragraph, please provide a map or data to support the conclusion that "the barrier wall has negligible leakage."
      iv. This section and all similar sections need to consider and discuss the density of the water relative to vertical gradients. This comment will not be repeated for the remaining sections.
      v. Section 2.1.1, page 2-3, 2nd Data Gap, Results, 3rd paragraph, please clarify whether groundwater density is a factor in regards to groundwater head in the calculations for vertical groundwater gradient. TRX should discuss this point and support discussion with data in the Revised GW Capture Evaluation. (Please note that this comment should be applied to other areas of this document as appropriate.)

e. Section 2.1.1, page 2-4, 3rd Data Gap, 1st paragraph, TRX states that the "theoretical pumping rates for most of the wells were improved". Please discuss whether actual observed pumping rates improved in these wells.
f. Section 2.1.1, page 2-4, 4th Data Gap, Results, NDEP has the following comments,
   i. 2nd paragraph, TRX stated that, "The results from well I-T provided adequate drawdown data in adjacent observation wells to estimate the pumping well efficiency, which was estimated to be about 84 percent." Based on the calculation provided in Attachment B, the pumping well efficiency is about 20 percent. Please review the data and calculations for resubmittal in the Revised GW Capture Evaluation.
   ii. 2nd paragraph, TRX states that, "The absence of drawdown beyond 20 to 25 feet is likely a function (of) well spacing…" Drawdown during an aquifer test is not a function of well spacing. Please remove the text in future submittals.
   iii. 3rd paragraph, NDEP does not concur that this data gap has been addressed based on the results presented in Attachment E to the GW Capture Evaluation. One of the four tests presented was successful and the one successful test was incorrectly analyzed. Please review the data and calculations for resubmittal in the Revised GW Capture Evaluation.
   iv. 3rd paragraph, TRX states "In the future, additional distance drawdown testing will be considered…" It is not clear what is precluding TRX from completing this work; please provide a schedule for implementation.
   v. 3rd paragraph, last sentence, TRX states that "Well efficiency data derived from the testing of well I-T will be used to contour pumping data from this well." TRX should note that the well efficiency for well I-T was calculated incorrectly. Please review the data and calculations for resubmittal in the Revised GW Capture Evaluation.
g. Section 2.1.2, page 2-5, Capture Zone, TRX states, "…the barrier wall and Interceptor well field is stopping the downgradient flow of perchlorate above 35 mg/L on the east end and 120 mg/L on the west end." The data on Plate 4, Inset B do not support this conclusion for the west end. Please review the Plate and associated data to address this comment.
h. Section 2.1.2, page 2-5, Capture Zone, TRX states that "Considering this average concentration up gradient of the barrier wall…" As commented in previous document responses, NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.
i. Section 2.1.2, page 2-5, flow budget, it is suggested that TRX install wells within the Muddy Creek formation to address potential underflow issues and to refine the flow budget.
j. Section 2.1.2, page 2-7, Downgradient Concentration Declines over Time, one of the reasons that NDEP requested wells at the east and west ends of the barrier wall was so that flow at both ends of the barrier could be calculated; and thus, calculations could be made on a mass basis. Furthermore, concentration versus time series graphs are requested to present and discuss concentration declines over time.
k. Section 2.1.2, page 2-7, Overlapping Cones of Depression, please provide a map at the scale of Plate 1 for groundwater elevation and contour.
l. Section 2.1.4, page 2-8, Data Gaps, TRX should be include an additional data gap that discusses the upper most water bearing zone (water table) flow around the eastern and western ends of the barrier wall using data from the new wells. If there is insufficient data for this, then TRX should propose additional wells for this purpose.
m. Section 2.2, page 2-8, last paragraph, 2nd bullet, TRX should note that McGinley recommended five new wells be installed. Please revise the text accordingly.
n. Section 2.2.1, page 2-9, 1st Data Gap, Results, TRX should discuss groundwater density as an influencing factor in regards to groundwater head. Please revise the text accordingly and support the discussion with data.
o. Section 2.2.1, page 2-10, 1st paragraph, the referenced Plate 2 (in the GW Capture Evaluation) shows the net drawdown. Please provide a groundwater elevation map at the same scale as the GW Capture Evaluation Plate 2.
p. Section 2.2.2, page 2-10, Capture Zone, NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.

q. Section 2.2.2, page 2-10, Flow Budget, the analysis and discussion herein do not meet the EPA (2005) capture zone evaluation requirement. The EPA referenced document indicates that groundwater flow be calculated via Darcy's law and the results are compared to actual flow rate. Please revise the text and calculations accordingly.
r. Section 2.2.2, page 2-10, Overlapping Cones of Depression, TRX should note that there is very limited control for constructing the drawdown contours as drawn on Plate 2. Please discuss this in the Revised GW Capture Evaluation.
s. Section 2.2.2, page 2-11, Downgradient Concentration Declines over Time, both PC-98R and MW-K5 appear asymptotic (Figures 24 and 24A, Annual Remedial Performance Report). Please review and evaluate the long term trends and revise the text accordingly in the Revised GW Capture Evaluation.
t. Section 2.2.3, page 2-11, Data Gaps and Proposed Additional Evaluation, this section is incomplete. Please review the above-comments to assist in identifying additional data gaps. The text of the Revised GW Capture Evaluation should be revised accordingly.
u. Section 2.3, page 2-11, last paragraph, please note that NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.
v. Section 2.3.1, page 2-12, Overlapping Cones of Depression, please provide a map at the scale of Plate 1 for groundwater elevation and contour.
w. Section 2.3.1, page 2-12, Downgradient Concentration Declines over Time, NDEP has the following comments:
    i. 1st sentence, please note that NDEP does not concur with this analysis based on concentration. Calculations must be made on a mass basis. Please revise the Revised GW Capture Evaluation accordingly.
    ii. 2nd sentence, TRX should note that this section references concentration declines over time; mass is related to concentration but also includes flow. Please revise the Revised GW Capture Evaluation as necessary to clarify the difference in these two concepts.
x. Section 3.0, page 3-1, please update this section based on the comments contained in this letter.
y. Figure 3, please discuss how the represented vertical gradients relate to density driven flow. This comment also applies to Figures 5 and 7.
z. Tables, NDEP has the following comments:
    i. Table 1, NDEP has the following comments:
        1. TRX should note that NDEP has recommended ASTM methods for all physical property analysis.
        2. In the following columns where two or more methods are listed, please clarify which method was used and whether the two methods are the same.
            a. Moisture Content – ASTM D2216 and API RP 40
            b. Effective permeability – ASTM D5084, API RP 40, and USEPA 9100 (Please note that TRX response (dated Nov. 28, 2007) to NDEP Comment #6 indicates that the ASTM method would be employed for the analysis.)
            c. Hydraulic conductivity ASTM D5084, API RP 40, and USEPA 9100
    ii. Table 3, TRX should provide the TDS concentrations for these wells and determine whether there are density effects that may influence the calculated vertical gradients. Please revise the Revised GW Capture Evaluation accordingly.
    iii. Table 4, the NDEP has the following comments:
        1. NDEP did not observe that mass flux calculations were completed in this table. Please include these calculations in the Revised GW Capture Evaluation.
        2. TRX should additionally include data east of I-Z.
aa. Attachment A, NDEP and TRX Correspondence, NDEP has the following comments:
    i. TRX should note that NDEP's Response (dated December 12, 2007) to TRX's *Response to Nevada Division of Environmental Protection (NDEP) Comments to the Revised Work Plan to Evaluate Effective Groundwater Capture* at Tronox LLC, Henderson, Nevada (dated November 28, 2007) was not included in this attachment. Please include this letter in the Revised GW Capture Evaluation.
    ii. TRX's November, 20, 2007 response-to-comments (RTC), RTC 8, TRX should note that NDEP has previously indicated that overlapping cones of depression need to include the text

as indicated in the NDEP Comment #8. The difficulty with utilizing drawdown to indicate capture zone is that drawdown does not include the prevailing hydraulic gradient in its calculation. Drawdown and capture only coincide when the prevailing hydraulic gradient is zero. In the case of the Athens Road Well Field an argument could be made, if the gradient is sufficiently flat, that the paleochannel geometry, extraction well locations, and overlapping cones of depression combine to form one line of evidence.

bb. Attachment D, please provide the survey data for wells M-129 and M-130 in the Revised GW Capture Evaluation.

cc. Attachment E, Distance Drawdown Data and Graphs – Interceptor Well Field and Barrier Wall, TRX should recalculate the well efficiencies in the Revised GW Capture Evaluation based on NDEP's following comments:
   i. General comment, please note that NDEP used the following reference for the comments below: Roscoe Moss Company, 1990. Handbook of Ground Water Development. John Wiley & Sons, NY, pages 308 and 493.
   ii. General comment, the formula provided by TRX for well efficiency is incorrect. The correct formula is Aquifer Loss / Total Drawdown * 100%. Aquifer Loss at an extraction well is determined by first using linear regression on the groundwater elevation (GWE) at T = X. Using the regression line equation, a T = 0 GWE can be calculated for the extraction well. The difference between the observed T = 0 GWE and the calculated T=0 GWE is the Aquifer Loss.
   iii. Pumping well I-K, NDEP has the following comments:
      1. NDEP noted that the GWE at T=0 data points are nearly equal to T=200 data points. This could possibly mean that insufficient time elapsed for complete water level recovery and/or that other factors have a greater influence on the data points.
      2. TRX should note that at a flow rate of 0.40 gpm in I-K and with the closest observation well was 66.2 ft; extraction at well I-K would likely have had little if any effect on the observation wells.
   iv. Pumping well I-N, NDEP has the following comments:
      1. If a linear regression is run for the GWE data for each well versus distance from pumping well at T = 150 minutes the R^2 value (0.3222) indicates that GWE has low relationship to distance from extraction well (i.e. other factors are likely to have greater influence); as opposed TRX's statement that there is "insufficient data to estimate well efficiency." This is at least partially due to the relatively large distance from the extraction well to the observation wells and comparatively low flow rate.
      2. NDEP also noted that at T=0 GWE data points are nearly equal to T=150 data points at the observation wells. This could possibly mean that insufficient time elapsed for complete water level recovery and/or that other factors have a greater influence on the data points.
   v. Pumping well I-T, based on the well efficiency formula presented above, the well efficiency calculated by TRX is incorrect.

dd. Pumping well I-R, while the NDEP concur that two data points are really not sufficient for analysis, the data suggest that the extraction well may quite inefficient based on the formula presented above.

Tronox Response

8.a. All data and figures referenced in the Revised GW Capture Evaluation will be included in the revised stand-alone document.

8.b. Three-point gradient solutions will be provided.

8.c. TRX submitted a schedule on October 14, 2008.

8.d.i Based on documented upward gradient on both ends of the barrier wall TRX believes that leakage beneath the wall is negligible.

8.d.ii. Data shows that the mound was dissipating until February 2008 when it began to build again as the result of the refurbishment of the recharge trenches. A figure will be provided.

8.d.iii. Hydrographs across the barrier wall show that the immediate upgradient water elevations are higher than the immediate downgradient water elevations. A figure will be provided.

8.d.iv. The density of water relative to vertical gradient measurements has been considered and found to have negligible effect. Data will be provided.
8.d.v. TRX will factor in groundwater density in the calculations for vertical groundwater gradient.
8.e TRX will list the observed change in pumping rates pre- and post-refurbishment.
8.f.i. The data will be reviewed.
8.f.ii The text will be removed.
8.f.iii. The data will be reviewed.
8.f.iv. No further drawdown tests will be performed because the groundwater mounding effect of the barrier wall and pumping effects in adjacent wells precludes obtaining useable data.
8.f.v. The data will be reviewed.
8.g. The average concentration moving around the west end of the barrier wall is 400 mg/L. The data will be reviewed.
8.h Calculations will be made on a mass basis.
8.i Based on documented upward gradient on both ends of the barrier wall TRX believes that leakage beneath the wall is negligible. TRX will install up to eight deep Muddy Creek formation wells in four locations on the plant site to delineate the contaminant plumes and determine vertical gradient.
8.j. Concentration versus time series graphs will be furnished.
8.k. A potentiometric surface map at the scale of 1" = 150' will be provided.
8.l. TRX will discuss flow around the ends of the barrier wall using data from the new wells.
8.m. The text will be revised accordingly.
8.n. TRX will discuss groundwater density as an influencing factor in regards to groundwater head.
8.o. A potentiometric surface map at the scale of 1" = 200' will be provided.
8.p. Calculations will be made on a mass basis.
8.q. The text and calculations will be revised accordingly.
8.r. TRX will discuss the contouring of the plate in the Revised GW Capture Evaluation.
8.s. TRX will review and evaluate the long term trends and revise the text accordingly in the Revised GW Capture Evaluation.
8.t. TRX will review and discuss whether other data gaps exist in the Athens Road area.
8.u. Calculations will be made on a mass basis.
8.v. A potentiometric surface map at the scale of 1" = 150' will be provided.
8.w.i. Calculations will be made on a mass basis.
8.w.ii TRX will revise the text.
8.x. TRX will update this section.
8.y. The relationship of vertical gradients and groundwater density will be discussed.
8.z.i.1 TRX notes that the NDEP recommends ASTM methods for all physical property analyses.
8.z.i.2.a. TRX will clarify the method used.
8.z.i.2.b. TRX will clarify the method used.
8.z.i.2.c. TRX will clarify the method used.
8.z.ii TRX will provide TDS analyses and discuss whether groundwater density affects vertical gradient.
8.z.iii.1. Mass flux calculations will be included.
8.z.iii.2. Data east of I-Z will be included.
8.aa.i. This letter was included in the original GW Capture Evaluation and will again be included in the Revised GW Capture Evaluation.
8.aa.ii TRX will include the requested language.
8.bb. TRX will provide the survey data for wells M-129 and 130 in the Revised GW Capture Evaluation.
8.cc.i TRX notes the NDEP reference.
8.cc.ii Boundary effects from the barrier wall and pumping effects from adjacent pumping recovery wells precluded collection of usable data. TRX will not include this discussion in the Revised GW Capture Evaluation.
8.cc.iii.1 Boundary effects from the barrier wall and pumping effects from adjacent pumping recovery wells precluded collection of usable data. TRX will not include this discussion in the Revised GW Capture Evaluation.
8.cc.iii.2 Boundary effects from the barrier wall and pumping effects from adjacent pumping recovery wells precluded collection of usable data. TRX will not include this discussion in the Revised GW Capture Evaluation.

8.cc.iv.1 Boundary effects from the barrier wall and pumping effects from adjacent pumping recovery wells precluded collection of usable data. TRX will not include this discussion in the Revised GW Capture Evaluation.
8.cc.iv.2 Boundary effects from the barrier wall and pumping effects from adjacent pumping recovery wells precluded collection of usable data. TRX will not include this discussion in the Revised GW Capture Evaluation.
8.cc.v. Boundary effects from the barrier wall and pumping effects from adjacent pumping recovery wells precluded collection of usable data. TRX will not include this discussion in the Revised GW Capture Evaluation.
8.dd. Boundary effects from the barrier wall and pumping effects from adjacent pumping recovery wells precluded collection of usable data. TRX will not include this discussion in the Revised GW Capture Evaluation.

NDEP Comment

9. Appendix E, NDEP has the following comments:
   a. General comment, TRX should provide only the records applicable to a DVSR in the database that is included with each DVSR. This practice would not only facilitate review of the DVSR but also provide a more cost-effective means of incorporating new data into the regional database maintained by NDEP.
   b. Section 2.0, TRX indicates that 10% of the data packages were subject to full validation. Based on Table 4, there were 140 unique SDGs and only samples from two SDGs (239631, and 230066) were bolded indicating full validation. This equals 29 samples out of 790. To clarify, a minimum of 10% of the samples should undergo full Level IV data validation. If this full data validation indicates anomalous quality assurance problems, the number of samples validated should be expanded. TRX should resubmit the DVSR after a minimum of 10% of the samples have completed full Level IV data validation.
   c. Section 3.1, paragraph 2, TRX should correct the text to reflect EPA Method is 218.6 (incorrectly typed as 281.6).

Tronox Response
9.a.b.c. These comments were addressed by TRX in a separate submittal dated 12/19/08.

Appendix D

Data Review Memorandum

(Provided under Separate Cover)