REPORT

SEDIMENT AND DNAPL DELINEATION REPORT

DETREX FACILITY
DETREX SOURCE CONTROL AREA
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO
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Prepared for
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URS Corporation (URS), on behalf of Detrex Corporation (Detrex), is providing the following Sediment / Dense Non-Aqueous Phase Liquid (DNAPL) Delineation Report based on the findings of recently completed work, which included: 1) DS Tributary sediment sampling; 2) DS Tributary test-trench excavation sampling; 3) limited sediment/shallow soil source removal action conducted along the DS Tributary; 4) on-site subsurface soil sampling; and 5) groundwater sampling of existing monitoring wells located west of State Road. All of the completed activities were conducted on behalf of Detrex as part of continued dense non-aqueous phase liquid (DNAPL) delineation activities. In preparation for this work effort, Detrex prepared and submitted a Sediment / DNAPL Delineation Work Plan (Work Plan) in response to correspondence from United States Environmental Protection Agency (USEPA) received on March 27, 2008 regarding submittal of both an updated Operations Maintenance and Monitoring (OM&M) Plan for Source Control Activities and a Work Plan for further investigating conditions in the DS Tributary located west of the State Road. As requested by USEPA, during a subsequent meeting with Detrex on September 22, 2009, the Scope of Work (SOW) also included: a reconnaissance survey of the entire DS Tributary; hand auger sampling; and the installation of exploratory test trenches within the DS Tributary near State Road. The SOW also included the visual inspection for DNAPL in the existing cutoff trenches installed by Fields Brook Action Group (FBAG) in 2008. It is further noted that based on discussion between Detrex and USEPA personnel in September 2009, a limited sediment excavation program was agreed to in the DS Tributary area located just west of State Road to remove previously observed impacted sediments. A Project Site Location Map identifying the Detrex site and the surrounding area is provided as **Figure 1**.

In addition to the activities authorized in the approved Work Plan, supplementary items were added to the approved SOW and subsequently completed as part of current site activities. The first supplementary item resulted from a conversation between USEPA, Sullivan International Group (Sullivan) and URS representatives during the site walkover conducted on November 4, 2009. During this discussion it was noted that an abandoned electrical conduit that exists east of and parallel to State Road, has been suspected as a potential pathway for DNAPL migration between the DS Tributary and Fields Brook. URS proposed that air-knifing be used to safely excavate / expose the electric conduit trench, visually determine the potential for the trench to be a DNAPL pathway, and collect subsurface soil samples.

The second supplementary item added to the approved SOW consisted of the limited excavation of sediments and shallow subsurface soil located immediately west of the second DS Tributary test-trench location. This work resulted from the hand auger survey and sample results along the DS Tributary. The initial DS Tributary hand auger survey results identified a trace amount of DNAPL in one sample immediately west of the second DNAPL cut-off trench location. Based on the survey results, an additional 40 feet length of sediment along the DS Tributary, west of the second cut off trench, was excavated.

The third supplementary item resulted from a correspondence between Gradient Corporation (Gradient) to the USEPA dated June 30, 2009, in which it was stated that standard sample handling procedures were not followed when soil samples were collected during the original installation of monitoring wells DETWMW-1D, DETWMW-2D or DETWMW-3D (see **Figure 2**). In an effort to address this item, Detrex authorized URS to complete confirmatory soil

borings immediately adjacent to each of the monitoring wells in question, under the direct supervision of the USEPA and/or their representatives, in order to verify the previous results obtained by URS during the collection of the original samples.

The final supplemental item that was added to the SOW for site activities was the water level gauging and sampling of all existing groundwater monitoring wells located within the Detrex site. These activities were completed by URS personnel in March 2010 to provide data related to the current groundwater water levels and groundwater chemistry in order to provide a current "snapshot" of site conditions to aid in the development of future remedial strategies for the Site.

With the results of the additional investigation available, Detrex also requested URS to provide an update of the existing Conceptual Site Model (CSM) to provide additional information related to the observed distribution of site-specific Constituents of Interest (COIs) and DNAPL at the Site. The updated CSM is intended to demonstrate and provide further support / documentation to the Detrex position that DNAPL is not actively migrating from the Site into the previously remediated Fields Brook floodplain area and DS Tributary, as alleged by the other parties of the Fields Brook Action Group (FBAG).

The information in this report is presented in the following five sections:

- **Section ONE – Introduction**: This section was presented in the previous paragraphs.
- **Section TWO – Field Work Summary**: This section presents and describes the various field activities completed as part of the USEPA approved Work Plan SOW, as well as the requested four supplementary field activities as described above.
- **Section THREE – Investigative Results Summary**: This section summarizes field activities and analytical results for the data collected during the Work Plan implementation.
- **Section FOUR – Revised Conceptual Site Model**: This section presents the revised CSM for the Site based on the comprehensive review of historical and current data for the site. The CSM includes discussions on site geologic, hydrogeologic, and observed COI / DNAPL distributions.
- **Section FIVE – Conclusions**: This section presents the findings and conclusions developed utilizing observations and data obtained during the recent and historical field activities.

This section of the report describes the various field activities conducted as part of the approved Work Plan and subsequent modifications to the Work Plan for the Detrex Site and DS Tributary.

2.1 Scope of Work

The SOW proposed for the Site was divided into two main sections. The first section addresses the completion of the reconnaissance and associated investigatory field work along the DS Tributary as part of the ongoing evaluation of conditions within the DS Tributary and the need for potential remediation of impacted sediments. The second section of the SOW details further sampling that was conducted in on-site areas of the Detrex property in order to refine the existing CSM, evaluate current groundwater conditions, and further delineate any potential DNAPL impacts.

Prior to the commencement of any subsurface work, the Ohio Utilities Protection Service (OUPS) was contacted regarding the presence and location of underground utilities in the area of the DS Tributary and along State Road. The following subcontractors also contacted OUPS prior to initiating their respective activities on site: SunPro Services of North Canton, Ohio (SunPro) for DS Tributary trenching and excavation, BJAAM Environmental (BJAAM) of Canal Fulton, Ohio for the DS Tributary sediment sampling and Stock Drilling of Ida, Michigan (Stock) for the on-site soil boring installations and CEI underground electrical utility conduit air knifing.

In addition to notifying OUPS for the public utility locate, Bloodhound Underground Utility Locators (Bloodhound) of Brownsburg, Indiana was contracted on November 18, 2009 to scan for and identify all utilities in areas adjacent to each proposed boring. This additional utility locate was completed to verify both public and private utilities and to assess the depth of utilities on site in the vicinity of the proposed borings, and along State Road in the vicinity of the CEI electrical conduit where air knife trenching was proposed.

Sediment and soil samples chosen for laboratory analysis were submitted to Precision Analytical, Inc. (Precision) of Cleveland, Ohio for analysis of COIs. Following the completion of the field activities all sediment sampling, soil boring, trench and excavation locations were surveyed by URS to spatially locate each point by state plane coordinate system, as well as to establish ground surface and/or top of casing elevations, as appropriate.

2.2 DS Tributary Reconnaissance, Assessment, and Sampling

2.2.1 DS Tributary Reconnaissance Survey

The first phase of work in the DS Tributary involved investigative procedures to evaluate the vertical and horizontal extent of DNAPL in sediment and floodplain soils (if any) downstream of the Detrex facility. Prior to completion of the DS Tributary sediment/soil sampling activities, a visual reconnaissance survey was conducted along the entire DS Tributary by URS personnel on November 2, 2009. The purpose of this survey was to attempt to identify and locate areas previously remediated in 2001, locate FBAG sediment sampling locations previously completed in 2008, and to document conditions of the existing sediment in the DS Tributary stream channel

in order to estimate the potential volume of impacted material. The portion of the DS Tributary inspected during the reconnaissance is depicted in **Figure 3**. During the field reconnaissance, the 2008 FBAG sediment sampling location markers could not be located. The former FBAG sample locations are also presented on **Figure 3**. On November 12, 2009, URS again attempted to locate the markers identifying the 2008 FBAG sediment sampling locations. However, due to excessive overgrowth along the DS Tributary banks, only three of the nine 2008 FBAG sample locations were confirmed.

2.2.2 DS Tributary Hand Auger Sediment Assessment

Once the DS Tributary reconnaissance was completed, a sediment sampling and assessment program was initiated on November 5, 2009 with URS personnel collecting sediment samples using hand augers. Representatives of Sullivan and/or USEPA were also present on-site in an oversight capacity during this assessment. The completed hand auger sediment sampling locations were placed approximately 50 feet apart along the entire length of the DS Tributary between State Road and the confluence of the DS Tributary and Fields Brook. The locations of the DS Tributary sediment sampling locations are depicted in **Figure 3**. At each location, a 3 ½ inch diameter hand auger was advanced through the sediment into the underlying clay soil. Due to the presence of water in the DS Tributary channel, a 6-inch diameter polyvinyl chloride (PVC) pipe was driven into the channel sediments, where possible, to prevent surface water from entering the location during sampling. The depth of sediment and the width of the channel were recorded along with a description of other physical grain size properties for each sample location. Sediment collection locations along the DS Tributary were designated as DS-1 through DS-32 as shown on **Figure 3.**

Sediment samples collected from each hand auger location were field screened by placing the sample into a one quart glass jar with aluminum foil lid. The samples were allowed to equilibrate for 20-30 minutes before testing. The PID sample tube was inserted through the aluminum foil over the glass jar to collect VOC readings for at least 30 seconds. A MiniRAE 2000 photoionization detector (PID) with an 11.7eV PID lamp was used to measure volatile organic compound (VOC) concentration in the sediment samples. . The PID unit was calibrated prior to each days use per the manufacturing specifications utilizing an isobutylene standard of 100 ppm. A summary of headspace readings and observation are presented in **Table 1**. The screening samples results were utilized to determine sample locations along the DS Tributary as part of the hand auger sediment analytical sampling program per the approved Work Plan.

2.2.3 DS Tributary Hand Auger Sediment Sampling

Upon completion of the hand auger sediment collection and screening, the results for all locations were reviewed to determine the locations of ten hand auger sediment samples to be sent to the analytical laboratory, per the approved Work Plan. In addition to considering the locations exhibiting the highest field screening results during initial screening, sample locations were also chosen to confirm the results of the 2008 FBAG sediment sampling activities. The remaining sediment sample locations were chosen to provide representative sampling of the DS Tributary

sediments between the State Road Bridge and Fields Brook. Prior to commencing sediment sampling activities, a sample location map was submitted to USEPA for review and approval.

On November 12, 2009, a representative of BJAAM was on-site to assist with the completion of the hand auger sample collection. A URS qualified geologist and a Sullivan representative was on-site to provide supervision and oversight. Sediment samples were collected by advancing a 3 ½ inch diameter hand auger through sediment into underlying clay soil, via the same procedures used during the initial hand auger assessment. When water was present, a 6-inch diameter PVC pipe was driven into the channel to prevent surface water from entering the sample location.

Immediately following the sediment sample collection, each sample was placed into laboratory provided sample containers (i.e. jar) and in a re-sealable plastic bag. All samples were immediately placed on ice in a cooler for preservation until picked up on site by the analytical lab (i.e. Precision). Proper chain of custody forms and protocols were maintained during sample handling and shipping activities. All sediment samples collected were submitted for analysis of VOCs by USEPA Test Method 8260B and SVOCs by USEPA Test Method 8270C, per the approved Work Plan.

In accordance with the Work Plan, all non-disposable sampling equipment was rinsed with clean potable water, washed with an Alconox/water solution then rinsed with deionized water between samples. The equipment was rinsed with Methanol following the Alconox/water solution rinse. Disposable sampling equipment was containerized and stored on the Detrex facility pending proper disposal.

The sediment samples collected from the DS Tributary and submitted for analysis as part of the sediment sampling program were designated according to the original DS Tributary screening location designation (DS-1 through DS-32) during the initial hand auger assessment (see **Figure 3**). Photographs of the reconnaissance and sampling of the sediment within the DS Tributary are provided in **Appendix A**.

2.3 DS Tributary Test-Trench Excavation / DNAPL Interceptor Trench Installation

Per the approved Work Plan, Detrex proposed to complete two test-trench excavations within the DS Tributary channel, west of the State Road Bridge. On November 2, 2009 the trench excavation activities were initiated within the DS Tributary by SunPro. Representatives of both URS and Sullivan were present on-site to provide supervision and oversight. It was necessary to divert water from the DS Tributary prior to and during excavation and recovery trench installation. In order to divert the water in the channel, temporary bladder dams were constructed and two, three-inch pumps were used to divert the water downstream. The location and dimensions of the test-trenches are presented in **Figure 4**.

The two test-trenches, designated Test-Trench 1 (TT-1) and Test-Trench 2 (TT-2), were excavated across the DS Tributary stream channel. The trenches were extended into the upland areas on both sides of the DS Tributary, where possible, in order to view the edge of the stream channel and adjacent stream banks. The trenches were excavated to a depth of approximately

six feet below the center of the stream channel using a trackhoe excavator. Samples were collected from the excavation sidewalls as well as the bottom of both exploratory trench excavations. A qualified URS geologist monitored all excavation work and collected, classified, and logged each sample.

Soil samples were collected from both TT-1 and TT-2. The test-trench designations was supplemented with either a B for a bottom sample or an N, S, E or W (north, south, east or west) to indicate the orientation of the respective soil sample. Additionally, the number following the N, S, E or W refers to the number of the sample collected from the specified wall.

Soil samples were first collected in re-sealable plastic bags or one quart glass jars covered with aluminum foil for headspace screening. All samples were screened for VOCs using procedures described in Section 2.2.2. After the completion of headspace screening, URS recollected samples from the trench wall locations. These locations, based on the initial headspace readings, were collected in anticipation of submitting an undisturbed sample for laboratory analysis. Per the approved Work Plan, two samples from each trench that exhibited the highest headspace readings were submitted for analytical testing. Each sample collected for laboratory analysis was placed into a laboratory provided sample container and then into an iced, insulated cooler for preservation. Further, due to a field decision to extend TT-2 farther to the south, a third sample was also submitted from TT-2. All soil samples collected from the trench excavations were placed into laboratory provided sample containers and into iced, insulated coolers. Soil samples were collected for VOCs via the EPA 5035 – Methanol / Sodium Bisulfate Preservation method and for SVOCs by placing into a nine-ounce glass jar with a Teflon-lined lid. Samples were packed in bubble wrap or equivalent material for shipping and maintained until picked up on site by a Precision representative. Proper chain of custody were maintained during sample handling and shipping activities. All soil samples collected were submitted to Precision for analysis of VOCs by USEPA Test Method 5035 – 8260B and SVOCs by USEPA Test Method 8270C. **Figure 4** depicts the locations of the test-trench soil sample locations.

Investigative Derived Waste (IDW) was excavated from the trenches, any visually-impacted DNAPL material was segregated and stored in lined roll off containers while the other material was stockpiled adjacent to the stream channel and used for restoration of the channel and banks. The roll off boxes were stored in a secure area on Detrex property (within the locked gate, west of the facility along State Road) pending disposal. Following the completion of field activities, samples were collected from the roll off boxes for proper characterization and disposal by Detrex.

Following the completion of the sampling activities, a DNAPL interceptor trenches was subsequently installed within the confines of TT-1 and TT-2. The DNAPL interceptor trenches were installed to provide for the long-term monitoring of potential residual DNAPL in the DS Tributary stream channel in the area just west of State Road. Each of the installed DNAPL interceptor trenches measured approximately three feet in width, twenty to thirty feet in length and between five and six feet in depth. The trenches were lined on the downgradient side of the trench with a 40-mil high density polyethylene (HDPE) liner and backfilled with #57 stone to ground surface. A vertical slotted pipe (i.e. sump) was installed in the south end of each trench for future DNAPL monitoring and sampling and water purging. The trench bottoms were sloped

slightly toward the south so that any potential DNAPL migrating into the trench would move towards the respective sump. The design and construction of the two DNAPL interceptor trenches was similar in nature to those previously installed by FBAG at other locations along the DS Tributary and Fields Brook. Locations of the DNAPL interceptor trenches are provided in **Figure 4**.

2.3.1 Limited DS Tributary Sediment Excavation Program

As discussed during the September 22, 2009 meeting, as well as in subsequent discussions with USEPA personnel, this limited excavation program was intended to remove the DNAPL impacted sediment previously observed by FBAG personnel in the DS Tributary stream channel immediately west and down gradient of the culvert passing beneath State Road. It is noted that this area was not excavated in 2001 during DS Tributary remediation activities. Upon completion of the exploratory trench excavations, URS initiated the limited sediment excavation program in the DS Tributary channel. The limited excavation was divided into three areas as follows:

- **Area 1** – The area located immediately west of the culvert under State Road up to TT-1;
- **Area 2** – The are located between TT-1 and TT-2; and
- **Area 3** – This area was added to the original SOW based on findings of the hand auger assessment and extended immediately west of TT-2.

On November 4, 2009, SunPro initiated the excavation of visually impacted sediments and shallow soil materials from area between TT-1 and TT-2 (i.e. Area 2) in an east to west direction along the DS Tributary. Representatives from both URS and Sullivan were on-site to provide supervision and oversight. The existing surface water flow in the DS Tributary, proximal to the excavation area, was diverted during the excavation by pumping around the open excavation and discharging on the downstream side of a temporarily installed bladder dam. The impacted sediment and shallow soils that were excavated were subsequently placed into lined roll off boxes, transported to the Detrex facility, covered and maintained until they could be disposed of properly. URS personnel collected confirmatory samples from the bottom of the excavation prior to restoration of the DS Tributary. Seven bottom samples, designated EX-1 through EX-7, were collected in Area 2. The final dimensions for the Area 2 excavation was approximately seven feet wide, fifty feet long, and two feet deep; resulting in a total removal volume of approximately 26 cubic yards (cys).

The area from the State Road culvert to TT- 1 (i.e. Area 1) was excavated on November 9, 2009. Once again, the surface water flow in the DS Tributary channel had to be diverted prior to completing the excavation. Potentially impacted sediment was excavated from the DS Tributary in Area 1 up to the existing concrete foundation of the State Road culvert. Four confirmatory samples, designated EX-8 through EX-11, were collected by URS personnel in Area 1. The final dimensions for the Area 1 excavation was approximately nine and a half feet wide, twelve feet long, and two feet deep; resulting a total removal volume of approximately 8 cys.

The final limited excavation area was added to the scope of work based on the presence of observed DNAPL at one of the sampling locations (DS-2) during the initial DS Tributary hand

auger assessment. This third excavation (i.e. Area 3) extended from TT-2 west approximately 40 feet in the general area of the DS-1 and DS-2 hand auger sample locations. The Area 3 excavation was started and completed on November 9, 2009. Confirmatory samples were collected along the bottoms as the excavation progressed to verify that DNAPL was no longer present. Five confirmatory samples, designated EX-12 through EX-16, were collected by URS personnel in Area 3. The final dimensions for the Area 3 excavation was approximately four feet wide, forty feet long, and two feet deep; resulting a total removal volume of approximately 12 cys.

As indicated earlier, samples were collected from the sidewalls as well as the bottoms of each excavation area (i.e. Areas 1 through 3). One portion of each sample collected was placed into laboratory provided sample containers and then into an iced, insulated cooler for preservation. A duplicate portion of each sample was placed into glass jars and covered with aluminum foil for headspace screening. All samples were screened for VOCs using procedures described in Section 2.2.2. Samples collected from the excavations were placed into laboratory provided sample containers and into iced, insulated coolers. Samples were packed in bubble wrap or equivalent material for shipping and maintained until picked up on site by a Precision representative. Proper chain of custody were maintained during sample handling and shipping activities. All sediment samples collected were submitted to Precision for analysis of VOCs by USEPA Test Method 5035 – 8260B and SVOCs by USEPA Test Method 8270C. A site figure with the location and dimensions of the excavations, as well as each sample location is presented as **Figure 4**. Photographs of the excavation areas and restoration of the DS Tributary are provided in **Appendix A**.

The IDW material generated during the excavation of Areas 1 through 3 was subsequently placed into lined roll off boxes and transported to the Detrex facility for temporary storage. Detrex personnel then completed sampling and arrangements for the proper disposal of the IDW materials. Clean soils from the side slopes of the DS Tributary were used to re-grade / restore the DS Tributary stream banks to maintain a similar grade. Additionally, riprap and #57 stone was placed as cover to the restore the area along the floor and sides of the DS Tributary stream channel to limit future erosion.

2.4 On-Site / Source Area DNAPL Delineation Borings

The second phase of the approved Work Plan was designed to address USEPA concerns regarding the extent of DNAPL within the Detrex on-site source area and to provide additional data for use in the evaluation of potential alternative DNAPL recovery techniques. Further, the data obtained during the completion of this phase of the field activities was also utilized to refine the existing CSM for the Site. Based on the approved Work Plan, 11 of the 15 proposed Geoprobe™ borings were completed during the field activities. Soil boring installations were initiated on November 19, 2009. Three of the borings proposed within and near the former on-site lagoon area were removed from the SOW due to the presence of DNAPL and the associated health and safety concerns. Additionally, URS was unable to gain access to the one proposed northern boring location north of the former DS Tributary on the adjacent property, due

to extremely inclement weather conditions. A map showing locations of the completed soil borings is included as **Figure 2**.

Stock Drilling was subcontracted to complete the DNAPL delineation borings using their Geoprobe™ 7720DT track mounted rig. The 7720DT uses direct push technology which uses hydraulics and the weight of the rig to advance a five-foot, acetate lined sampler to a predetermined depth. For this field work, soil samples were collected until encountering the glacial till interface (approximately 25 feet below ground surface) and/or until encountering DNAPL. Once the direct push sampler reached each depth interval, the sampler was retrieved. The sample liner was then removed from the sample tube, the acetate liner opened to expose the sample core, and the sample was split into two-foot intervals. One portion of each sample was placed into a laboratory provided sample container and into an iced, insulated cooler for preservation. A duplicate portion of each sample was placed into either a zip-lock plastic bag or a glass jar covered with aluminum foil, if DNAPL was suspected, for headspace screening. All samples were screened for VOCs using procedures described in Section 2.2.2. A qualified URS geologist collected, classified and logged soil samples using the Unified Soil Classification System (USCS) in accordance with the American Society of Testing and Materials D2488-00 (ASTM, 2000). Copies of boring logs completed are included as **Appendix B**.

Per the approved Work Plan, the soil boring samples from each location that exhibited the highest headspace readings along with samples from the glacial till interface were submitted for analytical testing. Depending on field screening results and other field observations, a third sample may have also been submitted from select borings. A site figure with the locations of the borings is presented as **Figure 2**. It should be noted that because the borings were installed to delineate the extent of DNAPL impact in the subsurface, some soil samples were not submitted for laboratory analysis from borings as DNAPL was observed as part of drilling activities (i.e. DPT 3, 7, 10, and 12). However, in borings where DNAPL was observed, a one-inch polyvinyl chloride (PVC) well point, consisting of a five-foot riser, slotted screen to depth, and #5 filter sand, were inserted into the open borehole to allow for DNAPL gauging during future monitoring events. Additionally, DPT-9 was also completed with a one-inch PVC well point to provide for sampling even though no DNAPL was noted in this location. Samples selected for analysis were placed into laboratory provided sample containers and into iced, insulated coolers. Samples were packed in bubble wrap or equivalent material for shipping and maintained until picked up on site by a Precision representative. Proper chain of custody were maintained during sample handling and shipping activities. All soil samples collected were submitted to Precision for analysis of VOCs by USEPA Test Method 5035 – 8260B and SVOCs by USEPA Test Method 8270C.

2.5 Confirmatory Soil Boring Installations

In correspondence from Gradient Corporation, on behalf of FBAG, to the USEPA dated June 30, 2009, it was stated that standard sample handling procedures were not followed when initial soil samples were collected from monitoring wells DETWMW-1D, DETWMW-2D or DETWMW-3D. In an effort to address this item, Detrex directed URS to install a series of confirmatory soil borings immediately adjacent to each of the previously installed monitoring

wells in question, under the direct supervision of the USEPA and/or their representatives, to verify the original results obtained by URS.

On November 23, 2009, Stock Drilling was on-site along with URS personnel to install confirmatory borings adjacent to DETWMW-1, DETWMW-2 and DETWMW-3 along the Detrex western property line. These confirmatory boring as designated as DETWMW-1R, DETWMW-2R, and DETWMW-3R. The locations of the confirmatory soil borings are presented on **Figure 2**. Using the Geoprobe™ 7720DT soils samples were collected in five-foot intervals from ground surface until encountering the first sample interval from the previous sampling event. Sample liners for each interval were removed from the sample tube, the acetate liner opened to expose the sample core, and the sample was split into two-foot intervals. One portion of each sample was placed into a laboratory provided sample container and into an iced, insulated cooler for preservation. As necessary, a duplicate portion of each sample was placed into a zip-lock plastic bag for headspace screening. All samples were screened for VOCs using procedures described in Section 2.2.2 above. A qualified URS geologist collected, classified and logged soil samples using the USCS in accordance with the American Society of Testing and Materials D2488-00 (ASTM, 2000). Copies of boring logs completed are included as **Appendix B**.

Samples from the confirmatory boring locations selected for analysis were placed into laboratory provided sample containers and into iced, insulated coolers. The samples were packed in bubble wrap or equivalent material for shipping and maintained until picked up on site by a Precision representative. Proper chain of custody were maintained during sample handling and shipping activities. All soil samples collected were submitted to Precision for analysis of VOCs by USEPA Test Method 5035 – 8260B and SVOCs by USEPA Test Method 8270C.

2.6 Detrex Site Groundwater Monitoring Well Gauging and Sampling

In March 2010, URS completed groundwater gauging and sampling of all existing monitoring wells on the Detrex Site. A total of forty-six (46) piezometer and monitoring well locations were included in the gauging and sampling event. Monitoring well and piezometer locations are presented on **Figure 2**. In addition to groundwater level gauging, the monitoring wells were also gauged for the presence of any accumulated DNAPL. A total of twenty-six (26) monitoring well locations were included in two groundwater sampling events. Detrex Corporation completed a quarterly groundwater sampling event of six (6) monitoring wells in January 2010. URS Corporation completed a groundwater sampling event in March 2010 for the remaining twenty (20) wells. A summary of monitoring well locations and information are listed in **Table 2**.

Groundwater samples were obtained by bailing a minimum of three well volumes from each monitoring well and then obtaining the required sample volumes for the noted parameter list. Samples from the existing monitoring well locations were placed into laboratory provided sample containers and into iced, insulated coolers. The samples were packed in bubble wrap or equivalent material for shipping and maintained until delivered by URS personnel or picked up by a Precision representative. Proper chain of custody were maintained during sample handling

and shipping activities. All groundwater samples collected were submitted to Precision for analysis of VOCs by USEPA Test Method 8260B.

2.7 CEI Utility Trench Location / Inspection

On November 18, 2009, Bloodhound scanned for, identified all utilities, and determined the depths of located utilities on site and along State Street where the air knifing for the abandoned CEI electrical utility conduit inspection was proposed. Both Ground Penetrating Radar (GPR) and Electro-Magnetic (EM) detection methods were used. Based on their findings, representatives of Stock Drilling were on-site on November 23, 2009, with representatives of URS, Sullivan and the USEPA to expose and inspect the utility trench located immediately east of and paralleling State Road. Using a VacMaster 4000, a one-foot wide by seven feet long trench was excavated from State Road east to a depth of approximately five-feet to expose the electrical, water and sewer lines. Once located, a hand auger was used to collect samples from beneath the electrical and water lines, which were encased in concrete together, and underneath the adjacent sewer line to the east. The location of the air-knifing activity is depicted in **Figures 2 and 5**. Photographs of the air-knifing activity are provided in **Appendix A**.

One portion of each sample was placed into a laboratory provided sample container and on ice in a cooler for preservation. A duplicate portion of each sample was placed into a zip-lock plastic bag for headspace screening. All samples were screened for VOCs using procedures described in Section 2.2.2. The sample jars were packed in bubble wrap or equivalent material for shipping and maintained until picked up on site by a Precision representative. Proper chain of custody were maintained during sample handling and shipping activities. All soil samples collected were submitted to Precision for analysis of VOCs by USEPA Test Method 5035 – 8260B and SVOCs by USEPA Test Method 8270C.

In accordance with the Work Plan, all non-disposable sampling equipment was rinsed with clean potable water, washed with an Alconox/water solution then rinsed with deionized water between samples.

2.8 DS Tributary Collection Trench Inspection

In 2005, FBAG installed several lined, subsurface collection trenches in the DS Tributary stream channel and Fields Brook. On October 22, 2009, Detrex provided sampling results from the collection trench in the DS Tributary and the collection trench in Fields Brook that is downstream of the confluence of the DS Tributary. The DS Tributary trench did not contain visible DNAPL and VOCs were below laboratory detection limits. Cis-1,2-dichloroethene was detected in a sample collected from the Fields Brook collection trench at 5.78 ppb. Based on these results, USEPA indicated that trenching in the lower downstream section of the DS Tributary would not be necessary at this time.

During November 2009, two additional DNAPL collection trenches were installed along the DS Tributary immediately west of the State Road culvert. The trenches were inspected visually

as part of well gauging completed in January 2010. As part of the visual inspection, a bailer and product interface probe were used to inspect for the presence of DNAPL in the trenches.

2.9 Sediment Sample and Soil Boring Location Survey

The location and elevations of the ground surface elevations of all hand auger, trenches and soil borings were surveyed during February and March 2010. This provided ground surface elevations of each soil boring and sample location, along with top of casing measurements of each well location for groundwater elevation measurements. **Table 2** provides a listing survey data, DNAPL and water level measurements. Each location was surveyed relative to a site benchmark using a Leica GNSS / GPS system accurate to within +/- 0.01 feet. The new soil borings and sample locations were surveyed for northing and easting coordinates and placed spatially by state plane coordinate system using the Leica GNSS / GPS system. The survey data is provided as **Appendix E**.

2.10 Quality Assurance / Quality Control Samples (QA/QC)

As per the approved Work Plan, QC samples were proposed to be collected at the following frequencies:

1. Field Duplicates (D) – One (1) per 10 environmental samples collected or a minimum of one per sampling event;

2. Field Blank Samples (B) – One (1) per 20 environmental samples collected;

3. Trip Blank Samples (TB) – One trip blank will be included in each cooler container samples for VOC analysis; and

4. Organic Matrix Spike/Matrix Spike Duplicate (MS/MSD) Samples – One (1) per 20 environmental samples collected.

Of the fifty-seven environmental samples collected, four duplicates were submitted along with three MS/MSD samples. One field blank along with three trip blanks were submitted with VOC samples and one temperature blank was submitted to confirm the laboratory temperature results. Data Validation and Review Reports are provided in **Appendix C** and laboratory results are provided in **Appendix D**.

This section presents the investigative results from the field work completed as part of the approved Sediment / DNAPL Delineation Work Plan and supplemental work added to the original SOW.

3.1 DS Tributary Reconnaissance Survey

The DS Tributary reconnaissance surveying was completed on November 2, 2009. As part of the reconnaissance survey URS personnel walked the length of the DS Tributary from just west of State Road to the confluence of the DS Tributary and Fields Brook. The area of the reconnaissance survey is depicted in **Figure 3**. Photographs were taken during the field work and the annotated photos are presented in **Appendix A**.

3.2 DS Tributary Hand Auger Sediment Assessment and Laboratory Results

The DS Tributary hand auger sediment assessment and sampling was completed on November 5, 2009 and November 12, 2009, respectively. Along the entire length of the DS Tributary a total of thirty-two (32) sediment sample locations were proposed as part of the approved Work Plan. All sediment sampling locations, except one (i.e. DS-11), were sampled and screened with a PID. The DS-11 location could not be sampled due to the presence of rip-rap at this location. **Table 1** presents the results of the PID screening for all of the sediment screening locations. Following the completion of the PID screening and based on the screening results, a hand auger sampling program for the DS Tributary sediments was completed at ten locations and the samples submitted for laboratory analysis. The analytical results were then compared to the established FBAG sediment Confidence Removal Goals (CRGs) for the identified site-specific COIs. The locations of the hand auger sediment sampling locations and a summary of the detectable results are presented in **Figure 3**. Laboratory analytical results are presented in **Table 3**.

Based on the reported analytical results for the hand auger sediment samples, five VOC compounds (1,1,2,2-tetrachloroethane, carbon tetrachloride, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, 1,2-dichlorobenzene) and four SVOC compounds (hexachlorobenzene, hexachlorobutadiene, phenanthrene, pyrene) were found to be present above the laboratory detection limits. No visible DNAPL material was observed at any of the DS Tributary hand auger sediment sampling locations, with the exception of a noted trace amount in DS-1 near the western test trench excavation (TT-2). This area was later excavated as part of the limited sediment removal work that was completed in conjunction with this SOW.

For the VOCs, the results for 1,1,2,2-tetrachloroethane ranged from ND (multiple samples) to 39.8 mg/kg (DS-15). Results for carbon tetrachloride ranged from ND (multiple samples) to 1.87 mg/kg (DS-12). Results for cis-1,2-dichloroethene ranged from ND (multiple samples) to 0.628 mg/kg (DS-12). Results for tetrachloroethene ranged from ND (multiple samples) to 152 mg/kg (DS-15). Results for trichloroethene ranged from ND (multiple samples) to 631 mg/kg (DS-15).

For the SVOCs, the results for hexachlorobenzene ranged from ND (multiple samples) to 51.9 mg/kg (DS-10 Dup). Results for hexachlorobutadiene ranged from ND (multiple samples) to 388 mg/kg (DS-15). Results for phenanthrene ranged from ND (multiple samples) to 1.24 mg/kg (DS-20). Results for pyrene ranged from ND (multiple samples) to 0.669 mg/kg (DS-20).

All of the hand auger sediment sampling locations with the exception of DS-30 had detectable levels of at least one constituent. However, only the QA/QC Duplicate sample from DS-10 had a detectable concentration that exceeded the CRG established for hexachlorobenzene (i.e. 39 mg/kg). The detectable concentrations of other VOC and SVOC compounds detected were either below applicable CRGs or no CRG has been established for this compound. A trace amount of DNAPL was observed only at one location, which was later excavated. All other locations did not display evidence of DNAPL. It is also noted that in general detected concentrations of COIs decrease with distance downstream and at DS-30 (i.e. near the confluence of the DS Tributary and Fields Brook) had decreased to non-detect.

3.3 DS Tributary Test-Trench Excavation and Sampling Laboratory Results

Two test trenches were completed within the DS Tributary at locations just west of State Road. The test trench excavations and associated sampling were completed on November 2 & 3, 2009. As part of the sampling, wall and floor soil samples from TT-1 and TT-2 were collected and screened in the field, those samples that exhibited the highest PID headspace readings were subsequently submitted for laboratory analysis.

Based on the results for the samples submitted, concentrations of five VOC compounds (1,1,2,2-tetrachloroethane, 1,1,2–trichloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene) and six SVOC compounds (1,2-dichlorobenzene, 2,4-dinitrotoluene, diethyl phthalate, hexachlorobenzene, hexachlorobutadiene, hexachloroethane) were present above laboratory detection limits. Laboratory analytical data are presented in **Table 4** and illustrated in **Figure 4**.

For the VOCs, the results for 1,1,2,2-tetrachloroethane ranged from 72.6 mg/kg (TT-2:B-4) to 585 mg/kg (TT-1:W-1). Results for 1,1,2-trichloroethane ranged from 2.8 mg/kg (TT-2:N-1) to 19.6 mg/kg (TT-1:B-1). Results for cis-1,2-dichloroethene ranged from ND (multiple samples) to 23.8 mg/kg (TT-1:N-1). Results for tetrachloroethene ranged from 126 mg/kg (TT-2:N-1) to 1,090 mg/kg (TT-1:B-1). Results for trichloroethene ranged from 99.4 (TT-2:N-1) to 1260 mg/kg (TT-1:B-1).

For the SVOCs, the results for 1,2-dichlorobenzene ranged from ND (multiple samples) to 2.69 mg/kg (TT-1:B-1). Results for 2,4-dinitrotoluene ranged from ND (multiple samples) to 1.23 mg/kg (TT-2:B-4). Results for diethyl phthalate ranged from ND (multiple samples) to 4.86 mg/kg (TT-1:W-2). Results for hexachlorobenzene ranged from ND (TT-2:N-1) to 25.2 mg/kg (TT-1:B-1). Results for hexachlorobutadiene ranged from ND (TT-2:N-1) to 14.3 mg/kg (TT-1:B-1). Results for hexachloroethane ranged from ND (multiple samples) to 1.32 mg/kg (TT-1:N-1).

3.4 DS Tributary Excavation Sampling Laboratory Results

As described in Section 2.3.1, a limited sediment excavation was completed within the DS Tributary in the area located just west of State Road. Three areas were excavated with a total of approximately 46 cy of material being removed (see **Figure 4**). The DS Tributary excavations and associated sampling were completed on November 4 & 9, 2009. In association with the excavations completed in Areas 1 through 3, sixteen floor soil samples were collected and submitted for laboratory analysis. It is noted that no visual DNAPL was reported during the completion of the limited sediment excavation within the DS Tributary, with the exception of that noted for TT-1 and TT-2.

Based on the results for the sixteen soil samples submitted from the three excavation areas, detectable concentrations for six VOC compounds (1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, vinyl chloride) and seven SVOC compounds (1,2-dichlorobenzene, 2,4-dinitrotoluene, 4-chloro-3-methylphenol, diethyl phthalate, hexachlorobenzene, hexachlorobutadiene, hexachloroethane) were reported. The laboratory analytical data are presented in **Table 5** and the sample locations are depicted in **Figure 4**.

For the VOCs, the results for 1,1,2,2-tetrachloroethane ranged from ND (EX-4) to 352 mg/kg (EX-8). Results for 1,1,2-trichloroethane ranged from ND (multiple samples) to 10.4 mg/kg (EX-6). Results for cis-1,2-dichloroethene ranged from ND (multiple samples) to 739 mg/kg (EX-7). Results for tetrachloroethene ranged from ND (EX-4) to 564 mg/kg (EX-6). Results for trichloroethene ranged from ND (EX-4) to 341 mg/kg (EX-6). Results for vinyl chloride ranged from ND (multiple samples) to 0.832 mg/kg (EX-4).

For the SVOCs, the results for 1,2-dichlorobenzene ranged from ND (multiple samples) to 8.18 mg/kg (EX-9). Results for 2,4-dinitrotoluene ranged from ND (multiple samples) to 6.12 mg/kg (EX-15). Results for 4-chloro-3-methylphenol ranged from ND (multiple samples) to 2.24 mg/kg (EX-1). Results for diethyl phthalate ranged from ND (multiple samples) to 0.445 mg/kg (EX-2). Results for hexachlorobenzene ranged from ND (multiple samples) to 53.7 mg/kg (EX-8). Results for hexachlorobutadiene ranged from ND (multiple samples) to 67.1 mg/kg (EX-8). Results for hexachloroethane ranged from ND (multiple samples) to 2.98 mg/kg (EX-6).

3.5 On-site / Source DNAPL Delineation Boring Soil Sampling Results

On-site and source area DNAPL delineation borings were installed at the Site during November and December 2009. Per the approved Work Plan, a total of fifteen soil boring locations were planned. However, due to the known presence of DNAPL and associated health and safety concerns three of the locations (i.e. DPT-4, DPT-5, and DPT-8) were not completed. Additionally, DPT-15, located off-site could not be completed due to lack of access attributable to poor weather conditions. Eleven (11) soil boring locations were ultimately completed as part of the field work. As part of boring installation, at least two soil sample intervals from each boring where DNAPL was not detected were selected for laboratory analysis, also soil samples from two locations (i.e. DPT-2 and DPT-12) where DNAPL was observed were sent to the

laboratory. A total of nineteen soil samples were ultimately sent to the laboratory for analysis. Based on the report results for the submitted samples, detectable concentrations of fifteen VOC compounds and eight SVOC compounds were reported above laboratory detection limits. The laboratory analytical data are presented in **Table 6** and graphically depicted in **Figures 5 and 6**. Boring logs are presented in **Appendix C**.

It is noted that the VOCs detections in the area of current plant operations (i.e. DPT-10 through DPT-14) are generally higher at shallow depths likely associated with historical operations and the VOC detections proximal to the former lagoon area are typically higher at depths associated with the known source material. It is further noted that VOCs detected downgradient of the former lagoon area (i.e. DPT-1) were extremely low . Also, in general, all VOC concentrations typically decrease with increasing depth, except in the location where DNAPL was noted to be present at greater depths. DNAPL was noted in the boring logs at DPT-2, DPT-3, DPT-7, DPT-10, and DPT-12; these locations are located in and around the former lagoon area of the Site.

For the SVOCs, similar trends are noted with respect to the distribution of SVOCs both within the Site and with depth. The most prevalent SVOC detections were associated with hexachlorobenzene and hexachlorobutadiene; the other detected SVOCs were generally limited to single detections in sporadic locations. No detectable SVOCs were reported at three locations DPT-1, DPT-6, and DPT-14.

3.6 On-Site Confirmatory Soil Boring Results

Three (3) confirmatory soil borings designated as DETWMW-1R, DETWMW-2R, and DETWMW-3R were installed November 23, 2009, immediately adjacent to previously installed monitoring well locations DETWMW-1S, DETWMW-2S, and DETWMW-3S. A total of three soil samples, one for each of the confirmation soil boring locations, were submitted to the laboratory for analysis. No DNAPL was observed in any of the three confirmatory soil borings. Based on the reported results for the submitted samples, concentrations of three VOC compounds (1,1,2,2-tetrachloroethane, ethylbenzene, and trichloroethene) were present above laboratory detection limits. The lowest detected VOC concentration was for 1,1,2,2-tetrachloroethane at 10.5 µg/L (DETWMW-2R), and the highest detected VOC concentrations was for trichloroethene at 44.7 µg/L (DETWMW-1R). No SVOC compounds were detected in any of the submitted soil samples. The reported laboratory analytical data are presented in **Table 7** and the results are illustrated in **Figures 5 and 6**. The boring logs for these locations are provided in **Appendix C**.

3.7 Site Groundwater Piezometer and Monitoring Well Laboratory Results

As discussed in Section 2.6, forty-six (46) piezometers and monitoring wells were gauged for water levels and the presence of DNAPL. The results of the gauging event are presented in **Table 2**. Additionally, a total of twenty-six (26) piezometers and monitoring well locations were sampled and submitted for laboratory analysis. The piezometers and monitoring wells included locations along the southern and western boundaries of the Site as well as locations within the

Site. The locations of the piezometers and monitoring wells are depicted in **Figure 2.** The twenty-six (26) piezometer and monitoring well locations that were sampled comprise a network that effectively covers the perimeter of the Site. The various wells are screened in two zones (i.e. Shallow and Deep). Shallow wells are generally screened in the range of 10 - 20 feet below ground surface (ft-bgs) in the upper portion of the glacial till, and deep wells are generally screened in the range of 30 – 40 ft-bgs within the lower portion of the glacial till, near the top of the underlying shale bedrock.

The groundwater gauging results were subsequently utilized to construct two groundwater potentiometric surface maps, one for the shallow groundwater and one for the deep groundwater. The resulting observed potentiometric surface maps are presented as **Figures 7 and 8**, respectively.

A total of twenty-six (26) piezometers and monitoring wells were sampled for groundwater and these samples were submitted to the laboratory for analysis. No DNAPL was observed in any of the sampled piezometers and monitoring wells with the exception of MW-10S. This well has historically indicated the presence of elevated VOCs and DNAPL. Based on the reported results for the submitted groundwater samples, VOCs were detected in only two monitoring wells, (i.e. MW-4S and MW-10S). At these two monitoring wells only trichloroethene was detected above reporting limits during the 2010 sampling event. The reporting limits of these two locations were elevated due to laboratory dilutions. The reported concentration of trichloroethene was 50.9 mg/L and 70.5 mg/L for MW-4S and MW-10S, respectively. The laboratory analytical data are presented in **Table 8** and the results are illustrated in **Figures 9 and 10**.

Table 8 also contains groundwater data from sampling conducted in 2006 along the proposed southern area groundwater interceptor trench, and sampling in 2009 along the western portion of the property. All locations were reported as non detect for VOCs and SVOCs, except one location (IT-601), which reported benzene at .02 mg/L. In addition, quarterly sampling data from the Detrex monitoring program from 2008 and 2009 is included.

3.8 Air Knife CEI Utility Trench Inspection Results

The abandoned CEI electrical utility conduit that exists east of and parallel to State Road, has been suspected as a potential pathway for DNAPL migration between the DS Tributary and Fields Brook. On November 18, 2009, URS and Stock completed and air-knife excavation to safely expose the electric utility conduit trench and collect confirmatory soil samples. A total of three confirmatory soil samples were submitted to the laboratory, one from each of the air knife borings. Based on the reported results for the soil samples, only trace concentrations of four VOC compounds (acetone, carbon disulfide, methylene chloride and trichloroethene) were present above laboratory detection limits. No SVOC compounds were detected.

The only reported VOC detection of a COI was for trichloroethene at 16.1 µg/kg in AK-W-8. Laboratory analytical data is presented in **Table 9** and graphically depicted in **Figures 5 and 6**.

3.9 DNAPL Interceptor Trench Results

As discussed in Section 2.3, the two test trench locations were converted into DNAPL interceptor trenches to provide for the collection of any potential DNAPL present in the DS Tributary at these locations. During the initial excavation of TT-1 and TT-2, limited amounts of DNAPL were observed in TT-1 and trace amounts in TT-2. As a result, these test trenches were converted into DNAPL interceptor trenches. The two DNAPL interceptor trenches have been monitored on two occasions since installation and to-date no measurable DNAPL accumulation has been observed. Additionally, water collected in the DNAPL interceptor trenches has been sampled and analyzed. The results of the laboratory analyses are presented in **Table 10**.

Based on the results for the water samples submitted from the two DNAPL interceptor trenches, detectable concentrations for nine VOC compounds (1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1–dichloroethene, chloroform, cis-1,2-dichloroethene, trans-1,2-dichloroethene, tetrachloroethene, trichloroethene, vinyl chloride) and one SVOC compounds (Butyl benzyl phthalate) were reported. Single low level detections of Acetone and Chloromethane were also reported for the VOCs, one from each of the sampling events. In the March 2010 sampling event, the SVOC detection was in only one of the DNAPL interceptor trenches, TT-2. The laboratory analytical data are presented in **Table 10** and the DNAPL interceptor trench locations are depicted in **Figure 4**.

No significant trends for the analytical results of water in the two DNAPL interceptor trenches are apparent from the two sampling events in December 2009 and March 2010. However, it is noted that concentrations of 1,1,2,2-tetrachloroethane, tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene have decreased and increases have been observed for trans-1,2-dichloroethene and vinyl chloride. Given the likelihood of anaerobic conditions in the stagnant sumps the increases in vinyl chloride concentration is likely attributable to degradation. The observed concentrations may also be attributable to the original presence of DNAPL in the area of the two trenches, and with the sumps being pumped two times since installation residual concentrations are expected to be elevated. Therefore, the observed concentrations in the DNAPL interceptor trenches do not suggest the continued release of DNAPL into the trenches. Detrex intends to continue to monitor the two DNAPL interceptor trenches for both DNAPL accumulation and water quality.

Using the data collected as part of the completed SOW in conjunction with existing historical investigation data; the Conceptual Site Model (CSM) for the Site has been revised and updated, as appropriate. The revised CSM is presented in this section with primary focus as follows:

- Existing Geologic Conditions;
- Existing Hydrogeologic Conditions; and
- Existing COI Distributions (Soil and Groundwater)

The intent of the revised CSM is to provide further documentation pertinent to the determination that DNAPL is not actively migrating from the Detrex property and serving to re-contaminate Fields Brook.

4.1 Existing Geologic Conditions

This section presents the geologic conditions within the Detrex Site based on the evaluation of cumulative data from historical investigations and the recently completed Sediment and DNAPL Delineation Investigation. All of the previously completed soil borings have been reviewed based on the revised survey data. The following subsections provide additional information related to the current understanding of geologic conditions at the Site.

4.1.1 Generalized Site Stratigraphy

The observed stratigraphy at the Site has been discussed in a number of previous reports, however, for completeness the generalized site stratigraphy is summarized in this section in order to provide the basis for the re-evaluation of geologic conditions within the context of the revised CSM. The underlying soil at the Detrex Site consists of three major stratigraphic units: lacustrine clay, glacial till and shale bedrock. **Figure 11** presents a generalized stratigraphic column for the subsurface materials beneath the Detrex Site.

As shown in **Figure 11** the subsurface stratigraphy is typically comprised of lacustrine clay overlying a glacial till, which in turn overlies a shale unit. The lacustrine clay is typically present from ground surface between 10 to 24 ft-bgs. The glacial till unit is comprised of competent low permeability clay with occasional minor fractures in the upper portion of the unit which generally decrease with depth. The glacial till underlying the lacustrine clay is present between 10 to 24 ft-bgs and extending 30 to 45 ft-bgs. Shale bedrock has been observed in some of the completed deep borings, primarily in the western area of the Detrex Site, but the terminal depth of the Shale has not been established.

4.1.2 Cross Section Data

Based on the data collected during the completion of the SOW and the resulting re-evaluation of existing geologic conditions at the Site, a series of cross-sections have been developed to graphically depict the subsurface. A total of three (3) cross-sections were generated around the perimeter of the Site to the north, south, and west. These cross-sections are designated as cross-

sections A-A' through C-C', and a cross-section location map has been developed and is presented as **Figure 12**.

The cross-section A-A' transects the site East to West on the northern area of the Detrex property (see **Figure 13**). Cross-section B-B' transects the site North to South on the western area of the site along state road (see **Figure 14**). The cross-section C-C' transects the site East to West on the southern portion of the site along the groundwater interceptor trench just north of Fields Brook (see **Figure 15**).

4.1.3 Top of Glacial Till (Revised)

Based on the additional data collected during the completion of the SOW and the resulting revised geologic conditions the interpreted top of the Ashtabula Till (i.e. glacial till) formation beneath the Site has been updated. **Figure 16** presents a 3-d perspective of the top of the Ashtabula Till based on the most recent data and is a modification of a figure previously submitted to the USEPA in a letter from URS dated April 2, 2009. The current revisions were completed to include additional data gathered during the on-site soil boring and sampling program. As shown in **Figure 16**, noted depressions in the top of the till, as previously reported, remain below the former lagoon area (i.e. Detrex Source Control Area) and in the northwest corner of the Site. The additional data collected as part of the on-site soil boring program continue to support the previous interpretation indicating a ridge in the till between the former lagoon area located to the north, and Fields Brook located to the south of the site. The addition of the new data points, as well as the associated analytical data presented in Section 4.3, again continues to support the Detrex assertion that there are no viable subsurface migration pathways for DNAPL from the Detrex Source Control Area through the glacial till and subsurface soil to Fields Brook. This data further supports the fact that there are no observed impacts from DNAPL in soil and groundwater along the western and southern portion of the Detrex property towards Fields Brook due to DNAPL migrating beneath the site.

4.2 Existing Hydrogeologic Conditions

This section presents the hydrogeologic conditions within the Detrex Site based on the evaluation of cumulative data from historical investigations and the recently completed Sediment and DNAPL Delineation Investigation. All groundwater data has been reviewed based on the revised survey data. The following subsections provide additional information related to the current understanding of hydrogeologic conditions at the Site.

Groundwater within the Detrex Site has been observed in two separate units: a shallow groundwater bearing zone (Shallow Zone) and a deep groundwater bearing zone (Deep Zone). The majority of monitoring wells and piezometers located on-site have been installed and screened within the Shallow Zone. The groundwater gauging event completed on March 4, 2010, represents this data. The data from the March 4, 2010 gauging event are presented in **Table 2**. A total of forty-six (46) monitoring wells and piezometers were gauged to characterize groundwater flow within the Site (see **Figure 2**). This included thirty-eight (38) shallow groundwater monitoring wells and piezometers along with eight (8) deep groundwater monitoring wells. In

both units, the Shallow and Deep Zones, the observed direction of groundwater flow is predominantly to the south, generally following topography in the direction of Fields Brook. However, an apparent groundwater divide is observed in the Shallow Zone (see Section 4.2.1)

4.2.1 Shallow Groundwater

Data from the March 4, 2010 site-wide groundwater gauging event indicates an apparent shallow groundwater divide that traverses the central portion of the Site in an east to west direction. Based on the observed groundwater gauging data, this apparent groundwater divide is situated to the south of the current operations area and the former lagoon area. The Shallow Zone groundwater potentiometric surface map is presented as **Figure 7**. The observed groundwater divide delineates Shallow groundwater flow to the north and south. In areas north of the divide, groundwater within the Shallow Zone is observed to flow in a northerly direction. In areas south of the divide, groundwater within the Shallow Zone is observed to flow in a southerly direction towards Fields Brook. Based on the data collected during the March 4, 2010 gauging event, the depth to groundwater within the Shallow Zone monitoring wells ranged between 1.72 and 9.06 feet below the top-of-casing (see **Table 2**).

4.2.2 Deep Groundwater

Data from the March 4, 2010 groundwater gauging event, the Deep Zone groundwater monitoring wells indicate an apparent groundwater flow direction from north and northwest to the south and southeast. The Deep Zone groundwater flow direction is generally towards Fields Brook. The Deep Zone groundwater potentiometric surface map is presented as **Figure 8**. Based on the March 4, 2010 gauging event, the depth to groundwater within the Deep Zone monitoring wells ranged between 2.57 and 7.82 feet below the top-of-casing (see **Table 2**). Additionally, comparing the observed water levels between the Shallow and Deep Zones indicates an apparent downward vertical flow component between the zones.

4.3 Existing COI Distributions (DS Tributary Sediment, On-site Soil and Groundwater)

This section presents the COI distribution within the DS Tributary sediments, as well as the on-site soil and groundwater COI distributions within the Detrex Site based on the evaluation of cumulative data from historical investigations and the recently completed Sediment and DNAPL Delineation Investigation. All sediment, soil, and groundwater data has been reviewed based on the revised survey data and current conditions. The following subsections provide additional information related to the current understanding of COI distributions in the above outlined media at the Detrex property.

4.3.1 DS Tributary Sediments

Based on the data reported from the DS Tributary reconnaissance and hand auger sediment samples (see **Table 3**) the sediment analytical results within the DS Tributary indicate detections

of VOC and SVOCs at various points between State Road and the confluence of the DS Tributary and Fields Brook. However, it is noted that all detections were in areas that have not previously been remediated and only one constituent (hexachlorobutadiene 51.9 mg/kg) at one location (DS-10 duplicate sample) exceeded established CRGs developed by FBAG. In general, the observed concentrations of detected constituents, decreases in the downgradient direction of the DS Tributary, and in fact all constituents were non-detect at the far downstream location (DS-30). The observed distribution of VOCs and SVOCs in areas where no previous remediation has been completed, coupled with the observed downstream decreases in concentrations indicate that the DS Tributary is not currently being impacted by materials actively migrating from the Detrex Site. DNAPL was observed in one location, which was excavated in November 2009. DNAPL was not observed in any other auger sampling location in the DS Tributary. The noted presence of observed VOC and SVOC constituents is more likely attributable to historical discharges within the DS Tributary. Nevertheless, Detrex did complete a limited sediment removal in the DS Tributary just west of State Road in order to reduce any potential future loading to surface water, and DNAPL interceptor trenches have been installed to monitor conditions in the upstream area of the DS Tributary. It is also noted that this area was not remediated in 2001 and historical sediment sampling results have indicated elevated concentrations of COIs.

4.3.2 On-site Soils

Based on the data collected during the on-site soil boring investigation, as well as, historical investigation results, on-site soils exhibit VOC and SVOC impacts generally within the area of the former lagoons and in areas associated with site operations. Soil samples from along the western and southern property boundaries do not indicate any significant impacts from VOCs or SVOCs. **Figures 5 and 6** graphically portray the relative soil impacts and detected concentrations of COIs using the available soil analytical data. Additionally, **Figure 5** also indicates the soil samples where DNAPL has been visually observed during field activities. The only area where DNAPL was observed in any of the soil samples is in the area of the former lagoon area and in historical operational areas located just to the west of the former lagoons.

Areas of the Site located to the south and west of the former lagoon area exhibit low or non-detect soil concentrations of VOCs and SVOCs, contrary to the alleged active migration of DNAPL across the Site through the lacustrine clay and along the top of the Ashtabula Till. It would be expected that if DNAPL were actively migrating via these pathways, soil concentrations would be reflective of the presence of site-specific COIs. Additionally, based on the air knife data in the former CEI utility trench conduit there does not appear to be a viable pathway for DNAPL migration along this conduit towards Fields Brook.

Further, the revised geologic conditions (see Section 4.1) continue to support the Detrex assertion that DNAPL present in the area of the former lagoons cannot migrate towards Fields Brook due to the elevation difference between the top of till in the former lagoon area where DNAPL has accumulated, and the area to the south and west. The DNAPL that has been identified in the subsurface in this portion of Fields Brook is most likely attributable to historical discharges into Fields Brook from the former North Sewer or Detrex Tributary channel, that is

currently controlled by the existing storm water management program. Soil sampling results and observations of subsurface soils at multiple locations indicate that active DNAPL migration is not presently ongoing from the Site.

4.3.3 On-site Groundwater

Based on the data collected during the on-site groundwater sampling completed as part of the SOW, as well as the ongoing monitoring of the existing groundwater interceptor trench, on-site groundwater does not exhibit any significant VOC or SVOC impacts. Groundwater detections are predominantly associated with monitoring wells located in the area proximal to the former lagoons and in areas associated with historical operations (i.e. MW-4 and MW-10). Groundwater sampling results from the middle of the Site and along western and southern property boundaries do not indicate any impacts from VOCs or SVOCs. **Figures 9 and 10** graphically portrays the relative groundwater impacts and detected concentrations of COIs using the available groundwater analytical data.

Areas of the Site located to the south and west of the former lagoon area exhibit non-detect groundwater concentrations for VOCs and SVOCs. This is again noted to be contrary to the alleged active migration of DNAPL across the Site through the lacustrine clay and along the top of the Ashtabula Till. If DNAPL were actively migrating, or if DNAPL ever had migrated through this area it would also be expected that groundwater concentrations would exhibit residual concentrations reflective of VOCs and/or SVOCs. Additionally, based on the presence of the groundwater interceptor trench, located along the southern property boundary of the Site, groundwater collection rates from the individual sumps and the resulting groundwater analytical results do not support the FBAG claim that DNAPL is actively migrating towards Fields Brook. Additional data and discussion related to the groundwater interceptor trench is provided in Section 4.3.3.2.

Further, the groundwater potentiometric maps for the Shallow and Deep Zones discussed in Section 4.2 suggest that any dissolved phase groundwater impacts should be apparent with the network of wells that were sampled during the completion of this SOW, particularly in the direction of Fields Brook to the south of the Site. The lack of detectable groundwater impacts in the western and southern portions of the Detrex property is further evidence that DNAPL is not actively migrating towards Fields Brook.

4.3.3.1 DNAPL

Based on the groundwater gauging and sampling completed as part of this SOW, no DNAPL was observed in any of the piezometers or monitoring wells with the exception of those wells located in and around the former lagoon area which have historically exhibited DNAPL. No DNAPL has been observed in the groundwater interceptor trench or in the boring and wells located along the western property boundary near State Road and the former CEI utility trench conduit.

To-date the combined data from both Detrex and FBAG investigations has yet to identify any DNAPL in the subsurface environments on Detrex property except in the area of the former

lagoons and portions of the north-western Detrex property. This observation again supports the Detrex assertion that DNAPL is not actively migrating from the Detrex property to Fields Brook.

4.3.3.2 Groundwater Interceptor Trench

Since the groundwater interceptor trench was installed in late 2006 and early 2007 and began operations in mid-2007, data related to the individual sump extraction rates and groundwater concentrations has been collected. The groundwater interceptor trench is comprised of three segments draining to individual sumps designated as Sump #1 through Sump #3. Sump #1 collects groundwater from the mid-section of the groundwater interceptor trench, Sump #2 collects groundwater from the eastern section of the groundwater interceptor trench, and Sump #3 collects groundwater from the western section of the groundwater interceptor trench. The groundwater interceptor trench was installed from ground surface into the Ashtabula Till thus providing for the complete cutoff of shallow groundwater flow towards Fields Brook. The location of the groundwater interceptor trench is shown on **Figure 2**.

Individual sump groundwater extraction rates are estimated from the recorded pump strokes of the sump pumps installed at each location. Detrex personnel collect this data and have provided URS with this information for use in this evaluation. Since the inception of groundwater recovery, the groundwater interceptor trench has averaged approximately 1.24 gallons per minute from all sumps with Sump #1 accounting for approximately 60% of the total average flow, Sump #2 accounting for approximately 30% of the total average flow, and Sump #3 accounting for approximately 10% of the total average flow. **Figure 17** presents the monthly flow totals versus time along with the estimated average monthly rainfall. The groundwater interceptor trench extraction rates generally follow rainfall on a seasonal basis in that they increase in the winter and decrease in summer/fall.

The individual sumps have also been sampled for groundwater concentrations on a quarterly basis since the inception of operations in mid-2007. The observed concentration of groundwater within the sumps has been monitored versus time and **Figures 18 through 20** graphically presents this data. Reported groundwater concentrations from the individual sumps have been in the low µg/L range for all detected VOCs and no SVOCs have ever been detected. This data does not support the presence or discharge of DNAPL in the interceptor trench.

As depicted in **Figure 18** for Sump #1, reported groundwater concentrations for total VOCs were generally <10 µg/L, prior to January 2009. The noted increase in concentration for Sump #1 after January 2009 reflects the disposal of impacted groundwater and soils that were collected during the State Road Bridge replacement and subsequently handled by Detrex for treatment. Water from the frac tanks was pumped directly into Sump #1 prior to being pumped to the on-site treatment facility for processing and this resulted in increased concentration in the water and likely contamination of the sump which also impacted the reported results. Since the processing of the additional water was completed, concentrations appear to have stabilized and have subsequently declined for the detected VOCs. The low levels in Sump #1 prior to the January 2009 data does not support the presence or discharge of DNAPL in the interceptor trench. Also, it should be noted that recently the sump pump in Sump #1 was replaced with a new pump.

During replacement work the air space was monitored for HSSE purposes. No organic vapors were detected during monitoring.

Sump #2 reported groundwater concentrations for total VOCs (see **Figure 19**) have also decreased slightly over time and the overall make-up of the reported VOCs has shifted more toward cis-1,2-dichloroethene indicating that degradation processes are likely being observed. This would not be the case if the sump was constantly being replenished with DNAPL impacted groundwater.

Sump #3 reported groundwater concentrations for total VOCs (see **Figure 20**) have been among the lowest reported at < 5µg/L, and in fact reported groundwater concentrations in Sump #3 have been non-detect for the past five sampling events (i.e. since Feb 2009). Sump #3 collects groundwater from the western segment near the property boundary along State Road. The extremely low to non detect VOC concentrations in Sump #3 coupled with the monitoring well and soil data does not support any assertion of DNAPL migrating from the Site towards Fields Brook.

It is further noted that dissolved constituent concentrations in individual trench groundwater samples are typically less than their respective effective solubilities (i.e., less than 1%). Based on the analytical results to-date, as well as visual observations, the groundwater interceptor trench collects groundwater and not DNAPL. Additionally, the groundwater interceptor trench was installed completely through the lacustrine material and keyed into the Ashtabula Till thus providing a continuous cut-off to groundwater flowing towards Fields Brook along the southern boundary of the Site. During the excavation and placement of the groundwater interceptor trench, no DNAPL was observed and no impacted soils were noted. **Appendix F** contains a geologic cross-section and analytical results for soil and groundwater collected in 2006 that represent conditions along the south groundwater interceptor trench prior to installation. Operational data from the groundwater interceptor trench is further evidence that DNAPL is not actively migrating towards Fields Brook.

Based on the results of the completed Sediment / DNAPL Delineation Investigations and the associated re-evaluation of historical investigation data at the Detrex Site, this section presents conclusions related to the existing media impacts, current site conditions, and impacts from the Site as it relates to Fields Brook and the DS Tributary.

5.1 DS Tributary Sediments

Based on the data collected during the completion of the Sediment / DNAPL Delineation Investigation the following conclusions are presented related to the DS Tributary sediments.

- DNAPL was observed in only one of the hand auger sample locations (DS-1), at all other locations no visible DNAPL was observed.
- Only one hand auger sampling location (DS-10 duplicate) exhibited detections of any constituent above established CRG for hexachlorobenzene. This location is also noted to be outside of any historically remediated area of the DS Tributary.
- The detected constituents within the DS Tributary sediments generally decreased in number and concentration in the downstream direction and the concentrations were non-detect at DS-30, the furthest downstream sampling location.
- Small amounts of DNAPL were observed in the first test trench (TT-1) and trace amounts of DNAPL were observed in the second test trench (TT-2). As a result of these observations, both TT-1 and TT-2 were converted to DNAPL interceptor trenches and the sediment between the trenches was removed as part of the limited sediment excavation. The limited sediment excavation was also extended approximately forty feet downstream of TT-2 in order to remove any potentially impacted sediment beyond this location.
- In general, one to three feet of sediments and soil were removed as part of the limited sediment excavation, resulting in a total removed soil volume of approximately 46 cy. This included the soils and sediment between the two test trenches and also forty feet downstream of the second test trench. The excavation area was located where FBAG observed DNAPL in 2005.
- The two DNAPL interceptor trenches have been monitored since installation and no measureable DNAPL accumulation has been noted. Analytical results from water samples from the two trenches have detectable concentrations of VOCs; however, the observed concentrations are not suggestive of a continued release of DNAPL into the trenches.
- The excavation area has been monitored several times since November 2009 and DNAPL has not been observed in the backfilled area.
- Based on the results from the DS Tributary investigations, additional data collected does not indicate the ongoing movement of DNAPL from the Detrex Site towards the DS Tributary. The DNAPL impacted sediment has been removed and DNAPL has not been observed in restored areas. The VOC and SVOC impacted soil beneath this area is attributed to historical impacts that were not remediated in 2001 within the channel of the DS Tributary, and the data does not support the ongoing migration of DNAPL through the subsurface soil from the Detrex property.

5.2 Western Property Confirmatory Borings and Former CEI Utility Trench Conduit

Based on the data collected during the completion of the Sediment / DNAPL Delineation Investigation, the following conclusions are presented related to the confirmatory soil samples along the western property boundary and the air knife investigation of the former CEI Utility Trench conduit.

- DNAPL was not observed in any of the confirmatory soil borings taken at the western area of the Detrex property along State Road. These resulting soil sample analytical results were comparable to results reported from previous investigations in the western area and do not indicate any contradiction to previously reported information.
- Observed soil conditions within the former CEI Utility Trench conduit indicate only a single low level detection (16.1µg/kg) of TCE in one sample from AK-W-8.
- DNAPL was not observed and organic vapors were not detected during the air knife excavation of the former CEI Utility Trench conduit (i.e. electric, water, and sewer) located along the western property of the Site, including State Road north of Fields Brook. Analytical results also indicated only a single low-level detection of trichloroethene in one of the three air knife locations.
- Based on the results from western property investigation, additional data collected does not indicate the ongoing movement of DNAPL or DNAPL ganglia from the Detrex Site towards Fields Brook through the lacustrine clay, Ashtabula Till, or the man-made CEI Utility conduit.

5.3 Revised Conceptual Site Model and Current Conditions

Based on the data collected during the completion of the Sediment / DNAPL Delineation Investigation the following conclusions are presented related to the soil boring and sampling, and groundwater gauging and sampling completed within the Detrex Site.

<u>Geology</u>

- The interpretation of the geology at the Site was re-evaluated based on the additional data collected as part of the SOW. No changes to the previous interpretation resulted from the incorporation of the new data. The previously reported depressions in the Ashtabula Till continue to be noted in the former lagoon area and to the west of the Site near the DS Tributary. A ridge in the Ashtabula Till extends from east to west across the Site and would serve to prevent to any potential migration of DNAPL from the former lagoon area towards Fields Brook.
- The current geologic interpretation, as well as the associated analytical results continue to support the previous Detrex assertion that there are no viable subsurface migration pathways for DNAPL from the former lagoon area through the Till. Also, there are no noted impacts from DNAPL along the western and southern portions of Detrex property towards Fields Brook.

Hydrogeology

- Data from the recent site-wide groundwater gauging event indicates an apparent Shallow Zone groundwater divide that traverses the central portion of the Site in an east to west direction. This apparent groundwater divide is situated to the south of the current operations area and the former lagoon area. In areas north of the divide, groundwater within the Shallow Zone is observed to flow in a northerly direction. In areas south of the divide, groundwater within the Shallow Zone is observed to flow in a southerly direction towards Fields Brook.
- Data from the most recent gauging event also indicates that the apparent groundwater flow direction in the Deep Zone is generally from the north and northwest to the south and southeast. The Deep Zone groundwater flow direction is generally towards Fields Brook.
- Comparison of the Shallow and Deep Zones observed potentiometric levels indicates a downward vertical flow component.

Soil and Groundwater COI Distributions

- Eleven soil borings were completed as part of the SOW, and DNAPL was observed in five locations in the area immediately surrounding the former lagoon (DPT-2, DPT-3, DPT-7, DPT-10, and DPT-12). DNAPL was not observed in any of the other boring locations installed within the Site.
- DNAPL, where encountered, was typically observed in the depth range of 8 -12 ft-bgs and/or between 20 - 25 ft bgs. bgs.
- Based on the data collected during the on-site soil boring investigation, as well as historical investigation results, on-site soils exhibit VOC and SVOC impacts generally within the area of the former lagoon area and in areas associated with historical site operations.
- Soil samples from along the western and southern property boundaries do not indicate any significant impacts from VOCs or SVOCs. These areas exhibit low levels approaching non-detect soil concentrations of VOCs and SVOCs, contrary to the alleged active migration of DNAPL across the Site through the lacustrine clay and along the top of the Ashtabula Till.
- Soil concentration data along with the revised geologic conditions continue to support the Detrex assertion that DNAPL present in the area of the former lagoons cannot migrate towards Fields Brook due to the elevation difference between the top of Till in the former lagoon area and the area to the south and west and due to the absence of viable migration pathways.
- Based on the data collected during the on-site groundwater sampling completed as part of the SOW, as well as the ongoing monitoring of the existing groundwater interceptor trench, on-site groundwater does not exhibit any significant VOC or SVOC impacts or DNAPL, except in the northern former lagoon area.

- The limited groundwater VOC detections are predominantly associated with monitoring wells located in the area proximal to the former lagoons and in areas associated with historical site operations (i.e. MW-4 and MW-10).
- Areas of the Site located to the south and west of the former lagoons area exhibit non-detect groundwater concentrations of VOCs and SVOCs. This is also contrary to the alleged active migration of DNAPL across the Site through the lacustrine clay and along the top of the Ashtabula Till. If DNAPL were actively migrating, or ever had migrated through this area it would also be expected that groundwater concentrations would exhibit residual concentrations reflective of VOCs and/or SVOCs.
- Based on the groundwater gauging and sampling completed as part of this SOW, no DNAPL was observed in any of the piezometers or monitoring wells with the exception of those wells located in and around the former lagoon area which have historically exhibited the presence of DNAPL.
- The groundwater interceptor trench began operations in mid-2007, and is comprised of three segments draining to individual sumps (i.e. Sumps #1 through #3). Individual sump groundwater extraction rates are estimated from the recorded pump strokes of the sump pumps installed at each location. Since the inception of groundwater recovery the groundwater interceptor trench has averaged approximately 1.24 gallons per minute from all sumps.
- The groundwater interceptor trench was installed completely through the lacustrine material and keyed into the Ashtabula Till, thus providing a continuous cut-off to groundwater flowing towards Fields Brook along the southern boundary of the Site.
- Sumps #1, #2, and #3 account for approximately 60%, 30% and 10% of the total average flow, respectively.
- The individual sumps have also been sampled for groundwater concentrations on essentially a quarterly basis since the inception of operations in mid-2007. The observed concentration of groundwater within the sumps has been monitored versus time.
- No DNAPL has been observed in the groundwater interceptor trench or in the borings and wells located along the western property boundary near State Road and the former CEI utility trench conduit. No DNAPL has been observed in borings and wells located along the southern boundary near Fields Brook.
- Reported groundwater concentrations from the individual sumps have typically been in the low µg/L range for all detected VOCs and no SVOCs have ever been detected.
- Sump #1 reported groundwater concentrations for total VOCs were generally <10 µg/L, prior to January 2009. The noted increase in concentration for Sump #1 after January 2009 reflects the disposal of impacted groundwater and soils that were collected during the State Road Bridge replacement and subsequently handled by Detrex for treatment.
- The low levels in Sump #1 prior to the January 2009 data does not support the presence or discharge of DNAPL in the interceptor trench.

- Sump #2 reported groundwater concentrations for total VOCs have also generally decreased slightly over time and the overall make-up of the reported VOCs has shifted more toward cis-1,2-dichloroethene indicating that degradation processes are likely being observed. This shift would not be the case if the sump was constantly being replenished with DNAPL impacted groundwater.
- Sump #3 reported groundwater concentrations for total VOCs have been among the lowest reported at < 5µg/L, and in fact reported groundwater concentrations in Sump #3 have been non-detect for the past five sampling events (i.e. since Feb 2009).
- The extremely low to non detect VOC concentrations in Sump #3 coupled with the monitoring well and soil data does not support any assertion of DNAPL migrating from the Site towards Fields Brook.
- It is further noted that dissolved constituent concentrations in individual trench groundwater samples are typically less than their respective effective solubilities (i.e., less than 1%). Based on the analytical results to-date, as well as visual observations, the groundwater interceptor trench collects groundwater and not DNAPL.

To-date, the combined data from both Detrex and FBAG investigations has yet to identify any DNAPL in the subsurface environments on Detrex property except in the former lagoon area and portions of the north and western Detrex property. The multiple lines of evidence described in this report (i.e. soil data, groundwater data, direct observations, operational data from the groundwater interceptor trench, and hydrogeologic data) supports the Detrex assertion that DNAPL is not actively migrating from the Site to Fields Brook. The DNAPL presently in Fields Brook and the portions of the DS Tributary are most likely attributable to historical discharge and active DNAPL migration is not presently ongoing from the Detrex property.

TABLES

Table 1
Summary of PID Headspace Readings and Observations
(DS Tributary)
November 2009
Detrex Corporation
Ashtabula, Ohio

Boring Location	Date	Time	PID Reading	Soil Description	Submit to Laboratory and Rationale
DS-1	5-Nov	1550	112	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	Sediment excavated 11/9/09
DS-2	5-Nov	1600	68.5	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	Sediment excavated 11/9/09
DS-3	5-Nov	1620	45.0	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	
DS-4	5-Nov	1645	227	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	X - Based on PID reading
DS-5	5-Nov	1657	16.1	Soft Brown/Gray CLAY w/ Gravel	
DS-6	5-Nov	930	251	Black Gravel over Brown/Gray CLAY	X - Based on PID reading
DS-7	5-Nov	1000	135	Brown/Gray CLAY w/ Gray/Black Sand & Gravel	
DS-8	5-Nov	1145	4.6	Brown/Gray CLAY w/ Gray/Black Sand & Gravel	
DS-9	5-Nov	1205	9.3	Brown/Gray CLAY w/ Sand & Gravel	
DS-10	5-Nov	1050	529	Dark Sediment with Organic Debris over Brown/Gray CLAY w/ trace Gravel	X - PID reading and FBAG confirmatory sample
DS-11	5-Nov	NA	NA	Rip Rap Material - **Unable to sample**	
DS-12	5-Nov	1140	1005	Brown/Gray CLAY w/ Gravel & Rock Fragments	X - Based on PID reading
DS-13	5-Nov	1150	96.1	Brown/Gray CLAY w/ Gravel & Rock Fragments	
DS-14	5-Nov	1200	151	Brown/Gray CLAY w/ Gravel & Rock Fragments	
DS-15	5-Nov	1216	1839	Brown Gravel & Sand over Gray Silty CLAY	X - PID reading and FBAG confirmatory sample
DS-16	5-Nov	1440	146	Brown Gravel & Sand over Gray Silty CLAY	X - Based on PID reading
DS-17	5-Nov	1500	94.8	Brown Gravel & Sand over Gray Silty CLAY	
DS-18	5-Nov	1515	16.3	Brown Gravel & Sand over Gray Silty CLAY	
DS-19	5-Nov	1525	3.4	Soft Brown/Gray CLAY w/ Shale fragments	
DS-20	5-Nov	1532	19.8	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	X - Based on PID reading
DS-21	5-Nov	1540	16.1	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	
DS-22	6-Nov	900	368	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	X - Based on PID reading
DS-23	6-Nov	910	14.1	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	
DS-24	6-Nov	917	10.1	Dark Sediment with Organic Debris over Brown/Gray Silty CLAY	
DS-25	6-Nov	930	23.7	Fill Material w/ Gravel & Organic Debris	
DS-26	6-Nov	945	50.7	Fill Material w/ Gravel & Organic Debris	
DS-27	6-Nov	1000	204	Fill Material w/ Gravel & Organic Debris	
DS-28	6-Nov	1010	329	Fill Material w/ Gravel & Organic Debris	X - Based on PID reading
DS-29	6-Nov	1030	15.2	Brown/Gray Silty CLAY w/ Gravel & Rock Fragments	
DS-30	6-Nov	1043	8.0	Brown/Gray Silty CLAY w/ Gravel & Rock Fragments	X - Based on PID reading
DS-31	6-Nov	1050	5.8	Brown/Gray Silty CLAY w/ Gravel & Rock Fragments	
DS-32	6-Nov	1130	2.9	Brown/Gray Silty CLAY w/ Gravel & Rock Fragments	

Notes: Hand auger borings were advanced into the clay layer to a depth of 12 to 18 inches

Organic debris consists of vegetative matter including decomposing leaves, grass, twigs, etc.

Table 2
Groundwater Elevation Table
March 2010
Detrex Corporation
Ashtabula, Ohio

Well ID	Easting	Northing	Top of Casing	Ground Surface	Depth to Water TOC (3/4/10)	Depth to DNAPL	Depth to Bottom of Well	DNAPL Thickness	Groundwater Elevation (3/4/10)	Well Diameter
DPT-3/0209	2,439,846.9501	817,022.6273	635.552		6.11	13.10	13.70		629.44	1
DPT-7/0209	2,439,928.9681	817,300.1613	634.785		3.42	17.45	19.75	2.30'	631.37	1
DPT-9/0209	2,440,357.2811	817,235.8293	635.127		1.72	None	23.95	None	633.41	1
DPT-10/0209	2,439,711.8431	817,200.3233	634.689		5.00	Unknown	Frozen water	Unknown	629.69	1
GP-1	2,439,527.2681	816,667.3433	637.73	635.39	2.96	None	7.68	None	634.77	SB
GP-2	2,439,394.2681	816,770.6033	638.94	635.86	4.03	None	20.75	None	634.91	1
GP-503	2,440,258.5481	816,419.2333	635.15	633.35	2.30	Not Measured	Not Measured	None	632.85	1.5
GP-508	2,439,547.1081	816,476.8233	636.08	634.03	2.34	Not Measured	Not Measured	None	633.74	1.5
DP-04	2,439,819.3181	816,832.3833	638.8	Not Measured	3.15	Not Measured	Not Measured	None	635.65	2
IT-601	2,439,986.5681	816,063.5833	633.2	631.40	8.32	None	25.10	None	624.88	2
IT-602	2,440,077.2781	816,099.4733	634.31	631.20	Dry	None	14.60	None	Dry	2
IT-603	2,440,203.5481	816,112.4133	634.61	632.40	2.80	None	17.85	None	631.81	2
IT-604	2,440,202.7981	816,152.5233	637.1	633.20	16.85	None	17.00	None	Dry	2
IT-605	2,440,378.5981	816,176.2833	636.22	634.90	4.10	None	15.10	None	632.12	2
IT-606	2,439,922.3181	815,990.1233	635.73	633.18	16.54	None	16.65	None	Dry	2
IT-607	2,439,796.3581	816,015.1633	633.17	631	5.76	None	15.90	None	627.41	2
IT-608	2,439,719.8181	816,052.8633	635.06	631	Dry	None	16.78	None	Dry	2
IT-609	2,439,605.6481	816,062.3633	633.55	631	5.38	None	16.08	None	628.17	2
IT-610	2,439,528.4481	816,091.0533	636.29	630.7	20.02	None	20.11	None	Dry	2
IT-611	2,439,403.9681	816,095.3433	632.7	630.6	8.15	None	20.11	None	624.55	2
IT-612	2,439,345.2181	816,108.9133	636.15	632	20.77	None	20.85	None	Dry	2
IT-612/3	2,439,209.8381	816,122.5433	635.91	632	Dry	None	21.10	None	Dry	2
IT-613	2,439,203.3481	816,111.6533	634.39	632	9.06	None	20.11	None	625.33	2
IT-614	2,439,001.9881	816,138.7333	630.45	627.4	3.56	None	20.05	None	626.89	2
IT-615	2,438,919.4481	816,127.7033	632.89	628	Dry	None	19.91	None	Dry	2
IT-UNK-1	2,440,382.6681	816,200.6933	638.94	632.00	16.54	None	16.65	None	Dry	2
IT-UNK-2	2,439,912.7881	816,089.8133	636.78	633.71	16.48	None	16.63	None	Dry	2

Table 2
Groundwater Elevation Table
March 2010
Detrex Corporation
Ashtabula, Ohio

Well ID	Easting	Northing	Top of Casing	Ground Surface	Depth to Water TOC (3/4/10)	Depth to DNAPL	Depth to Bottom of Well	DNAPL Thickness	Groundwater Elevation (3/4/10)	Well Diameter
MW-1	2,438,978.8981	816,003.1733	627.72	626.37	2.57	None	41.75	None	625.15	2
MW-2S	2,438,965.3881	816,498.4733	635.93	633.28	2.98	None	14.70	None	632.95	2
MW-2D	2,438,971.1081	816,497.4233	635.96	633.28	5.70	None	52.60	None	630.26	2
MW-9S	2,439,940.9881	816,780.2433	640.14	637.75	4.95	Not Measured	Not Measured	Not Measured	635.19	2
MW-10S	2,439,959.6281	816,880.2133	639.95	637.46	5.18	*18.90**	*19.90**	1	634.77	2
MW-11	2,439,647.7681	816,496.9133	636.83	634.47	2.62	None	15.60	None	634.21	2
MW-17S	2,439,960.1081	816,423.7133	635.78	633.37	3.54	None	17.20	None	632.24	2
MW-17D	2,439,966.0581	816,420.2033	635.14	633.71	5.00	None	50.40	None	630.14	2
MW-18S	2,440,374.8481	816,438.6033	634.79	632.49	1.97	None	17.00	None	632.82	2
MW-18D	2,440,371.5781	816,442.9833	634.78	632.54	6.67	None	52.60	None	628.11	2
MW-21	2,438,918.0881	817,157.5533	635.46	632.94	3.50	None	28.20	None	631.96	2
DETWMW-4S	2,438,909.0706	816,995.4539	638.2244	635.0923	3.97	None	25.85	None	634.25	2
DETWMW-4D	2,438,908.8849	816,990.2993	637.7879	635.086	5.20	None	46.50	None	632.59	2
DETWMW-3S	2,438,915.6932	816,615.1770	637.7959	Not Measured	5.27	None	22.75	None	632.53	2
DETWMW-3D	2,438,915.0955	816,611.2532	637.5046	Not Measured	7.82	None	42.72	None	629.68	2
DETWMW-2S	2,438,919.6435	816,408.1105	634.6067	632.0463	3.56	None	19.64	None	631.05	2
DETWMW-2D	2,438,916.0365	816,407.2799	634.7558	632.0463	5.31	None	34.64	None	629.45	2
DETWMW-1S	2,438,927.7438	816,216.5935	633.2576	Not Measured	4.66	None	27.05	None	628.60	2
DETWMW-1D	2,438,924.5592	816,215.5335	633.1366	Not Measured	7.11	None	40.05	None	626.03	2

** Measured 01/13/2010*

Table 3
Summary of Detected Chemicals in DS Tributary Sediment Samples
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	CRGs for EU-5	DS-4 (0-1) 11/12/2009	DS-6 (0-1) 11/12/2009	DS-10 (0-1) 11/12/2009	Dup 3 11/12/2009	DS-12 (0-1) 11/12/2009	DS-15 (0-1) 11/12/2009	DS-16 (0-1) 11/12/2009	DS-20 (0-1) 11/12/2009	DS-22 (0-1) 11/12/2009	DS-28 (0-1) 11/12/2009	DS-30 (0-1) 11/12/2009
Volatile Organics						*DS-10 (0-1)*							
1,1,2,2-Tetrachloroethane	mg/kg	102	0.74 U	0.464 U	1.07 U	0.73 U	**5.59**	**39.8**	0.738 U	0.516 U	0.573 U	0.631 U	0.576 U
Carbon Tetrachloride	mg/kg	N/A	0.74 U	0.464 U	1.07 U	0.73 U	**1.87**	7.31 U	0.738 U	0.516 U	0.573 U	0.631 U	0.576 U
cis-1,2-Dichloroethene	mg/kg	N/A	0.74 U	0.464 U	2.81 U	0.73 U	**0.628**	7.31 U	0.738 U	0.516 U	0.573 U	0.631 U	0.576 U
Tetrachloroethene	mg/kg	392	0.74 U	**0.616**	**2.99 J**	**8.36**	**7.54**	**152**	**4.5**	0.516 U	**6.46**	**1.6**	0.576 U
Trichloroethene	mg/kg	1854	0.74 U	0.464 U	**1.14**	0.73 U	**8.32**	**631**	**1.65**	0.516 U	**1.27**	0.631 U	0.576 U
Semivolatile Organics													
Hexachlorobenzene	mg/kg	39	26 U	**36.4**	35.1 U	***51.9***	**19.5**	**12.4**	**34.7**	**12.1**	**27.3**	**9.37**	0.382 U
Hexachlorobutadiene	mg/kg	N/A	**60**	**8.43**	35.1 U	30.3 U	**4.01**	**388**	24.1 U	**3.22**	4.07 U	2.12 U	0.382 U
Phenanthrene	mg/kg	N/A	26 U	4.5 U	35.1 U	30.3 U	0.411 U	4.76 U	24.1 U	**1.24**	4.07 U	2.12 U	0.382 U
Pyrene	mg/kg	N/A	26 U	4.5 U	35.1 U	30.3 U	0.411 U	4.76 U	24.1 U	**0.669**	4.07 U	2.12 U	0.382 U

Notes: **Bold** = Analyte detected above reporting limit
Underline = Concentration exceeds CRG value.
U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.
J = Estimated concentration because quality control criteria were not met.
N/A= No Applicable CRG

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Table 4
Summary of Detected Chemicals in Test Trench Samples
(DS Tributary)
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	TT-1: W-2(2-3) 11/02/2009	TT-1:B-1(5-6) 11/02/2009	TT-2:B-4(7-8) 11/03/2009	TT-2:E-1(4-5) 11/03/2009	TT-2:N-1(5-6) 11/03/2009
Volatile Organics						
1,1,2,2-Tetrachloroethane	mg/kg	**585**	**185**	**72.6**	**195**	**130**
1,1,2-Trichloroethane	mg/kg	**10.5**	**19.6**	**3.73**	**4.24**	**2.8**
cis-1,2-Dichloroethene	mg/kg	2.6 U	**5.8**	2.69 U	2.55 U	**23.8**
Tetrachloroethene	mg/kg	**557**	**1090**	**821**	**288**	**126**
Trichloroethene	mg/kg	**389**	**1260**	**319**	**202**	**99.4**
Semivolatile Organics						
1,2-Dichlorobenzene	mg/kg	**1.9**	**2.7**	1.22 U	1.19 U	1.23 U
2,4-Dinitrotoluene	mg/kg	1.2 U	1.26 U	**1.23**	1.19 U	1.23 U
Diethyl phthalate	mg/kg	**4.9**	12.6 U	**3.83**	**3.46**	1.23 U
Hexachlorobenzene	mg/kg	**23.9**	**25.2**	**6.15**	**4.0**	1.23 U
Hexachlorobutadiene	mg/kg	**16.5**	**14.3**	**6.88**	**5.68**	1.23 U
Hexachloroethane	mg/kg	1.2 U	1.26 U	1.22 U	1.19 U	**1.32**

Notes: **Bold** = Analyte detected above reporting limit
U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

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Table 5
Summary of Detected Chemicals in Excavation Samples
(DS Tributary)
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	EX-1 (0-1) 11/03/2009	Dup-1 (0-1) 11/03/2009	EX-2 (0-1) 11/03/2009	EX-3 (0-1) 11/03/2009	EX-4 (0-1) 11/03/2009	EX-5 (0-1) 11/03/2009	EX-6 (0-1) 11/03/2009	EX-7 (2-3) 11/03/2009	EX-8 (1-2) 11/03/2009
Volatile Organics			*EX-1 (0-1)*							
1,1,2,2-Tetrachloroethane	mg/kg	**60.8 J**	**115 J**	**3.34**	**14.4**	0.697 U	**53.9**	**333**	**173**	**352**
1,1,2-Trichloroethane	mg/kg	2.64 U	2.69 U	2.44 U	2.29 U	0.697 U	**3.58**	**10.4**	261 U	2.59 U
cis-1,2-Dichloroethene	mg/kg	**9.29**	7.71	2.44 U	**8.2**	**1.95**	**26.6**	**10.6**	**739**	2.59 U
Tetrachloroethene	mg/kg	**73.4 J**	**163 J**	**7.96**	**64.1**	0.697 U	**51.1**	**564**	**201**	**250**
Trichloroethene	mg/kg	**72.4**	**102**	**3.58**	**98.0**	0.697 U	**183**	**341**	**201**	**291**
Vinyl Chloride	mg/kg	2.64 U	2.69 U	2.44 U	2.29 U	**0.832**	2.43 U	2.68 U	261 U	2.59 U
Semivolatile Organics										
1,2-Dichlorobenzene	mg/kg	**0.479**	1.27 U	0.41 U	0.391 U	0.428 U	0.394 U	1.20 U	1.24 U	3.92 U
2,4-Dinitrotoluene	mg/kg	4.14 U	1.27 U	0.41 U	0.391 U	0.428 U	0.394 U	1.20 U	1.24 U	3.92 U
4-Chloro-3-methylphenol	mg/kg	**2.24**	1.27 U	0.41 U	0.391 U	0.428 U	0.394 U	1.20 U	1.24 U	3.92 U
Diethyl phthalate	mg/kg	0.414 U	1.27 U	**0.445**	0.391 U	0.428 U	0.394 U	1.20 U	1.24 U	3.92 U
Hexachlorobenzene	mg/kg	**12.4 J**	**1.89 J**	**2.13**	0.391 U	0.428 U	**1.5**	**10.7**	1.24 U	**53.7**
Hexachlorobutadiene	mg/kg	**11.5 J**	1.27 U	4.10 U	0.391 U	0.428 U	**2.39**	**4.05**	**30.9**	**67.1**
Hexachloroethane	mg/kg	0.414 U	1.27 U	**0.939**	0.391 U	0.428 U	0.394 U	**2.98**	1.24 U	3.92 U

Notes: **Bold**= Analyte detected above reporting limit

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because quality control criteria were not met.

Table 5
Summary of Detected Chemicals in Excavation Samples
(DS Tributary)
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	EX-9 (1-2) 11/03/2009	EX-10 (1-2) 11/03/2009	Dup-2 11/03/2009	EX-11 (1-2) 11/03/2009	EX-12 (1-2) 11/03/2009	EX-13 (1-2) 11/03/2009	EX-14 (1-2) 11/03/2009	EX-15 (1-2) 11/03/2009	EX-16 (1-2) 11/03/2009
Volatile Organics				*EX-10 (1-2)*						
1,1,2,2-Tetrachloroethane	mg/kg	**123**	**155**	**35.1**	**35.8**	**105**	**4.16**	**5.08**	**62.8**	**3.91**
1,1,2-Trichloroethane	mg/kg	**2.75**	**3.24**	2.59 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
cis-1,2-Dichloroethene	mg/kg	2.48 U	2.81 U	2.59 U	2.84 U	**6.26**	**2.7**	**9.16**	**13.9**	**9.27**
Tetrachloroethene	mg/kg	**138**	**155**	**188**	**144**	**189**	**42.5**	**60.4**	**76**	**10.0**
Trichloroethene	mg/kg	**182**	**151**	**280**	**237**	**90.8**	**17.7**	**24.8**	**145**	**11.8**
Vinyl Chloride	mg/kg	2.48 U	2.81 U	2.59 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Semivolatile Organics										
1,2-Dichlorobenzene	mg/kg	**8.18**	**1.3**	**1.56 J**	**0.846 J**	**1.18**	0.404 U	**0.54**	**0.579**	0.42 U
2,4-Dinitrotoluene	mg/kg	3.96 U	0.394 U	0.40 U	0.392 U	0.41 U	0.404 U	0.409 U	**6.12**	0.42 U
4-Chloro-3-methylphenol	mg/kg	3.96 U	0.394 U	0.40 U	0.392 U	0.41 U	0.404 U	0.409 U	0.405 U	0.42 U
Diethyl phthalate	mg/kg	3.96 U	0.394 U	0.40 U	0.392 U	0.41 U	0.404 U	0.409 U	0.405 U	0.42 U
Hexachlorobenzene	mg/kg	**46.4**	**7.96**	**2.53 J**	0.392 U	**3.58**	0.404 U	**0.417**	**10.3**	**0.678**
Hexachlorobutadiene	mg/kg	**56.9**	**5.58**	**7.32 J**	**3.62 J**	**1.05**	0.404 U	**1.89**	**14.5**	**1.18**
Hexachloroethane	mg/kg	3.96 U	0.394 U	0.40 U	0.392 U	0.41 U	0.404 U	0.409 U	0.405 U	0.42 U

Bold= Analyte detected above reporting limit
U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.
J = Estimated concentration because quality control criteria were not met.

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Table 6
Summary of Detected Chemicals in Delineation Borings
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	DPT-1/0209:5-6 11/20/2009	DPT-1/0209:8-10 11/20/2009	DPT-2/0209:5-6 11/20/2009	DPT-2/0209:10-12 11/20/2009	DPT-6/0209:12-14 11/23/2009	DPT-6/0209:14-15 11/23/2009	DPT-9:6-8 11/24/2009	DPT-9/0209:8-10 11/24/2009
Volatile Organics									
1,1,2,2-Tetrachloroethane	mg/kg	0.0038 U	0.00365 U	**367**	152 U	**0.0116**	0.0042 U	127 U	104 U
1,1,2-Trichloroethane	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
1,1-Dichloroethane	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
1,1-Dichloroethene	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
1,2-Dichloroethane	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
1,2-Dichloropropane	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
Acetone	mg/kg	0.076 U	**0.11 J**	2560 U	3040 U	**0.204**	0.084 U	2540 U	2080 U
Carbon Disulfide	mg/kg	0.0038 U	**0.00585 J**	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
cis-1,2-Dichloroethene	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
Tetrachloroethene	mg/kg	0.0038 U	0.00365 U	**117**	**521**	0.00955 U	0.0042 U	127 U	**252**
Toluene	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
Trans-1,2-Dichloroethene	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
Trichloroethene	mg/kg	**0.0188 J**	0.00365 U	**738**	**1770**	**0.0421**	0.0042 U	**175**	**1220**
Vinyl Chloride	mg/kg	0.0038 U	0.00365 U	128 U	152 U	0.00955 U	0.0042 U	127 U	104 U
Semivolatile Organics									
1,2,4-Trichlorobenzene	mg/kg	0.33 U	0.33 U	0.33 U	0.329 U	0.33 U	0.33 U	0.329 U	0.33 U
1,2-Dichlorobenzene	mg/kg	0.33 U	0.33 U	0.33 U	0.329 U	0.33 U	0.33 U	0.329 U	0.33 U
2,4-Dinitrotoluene	mg/kg	0.33 U	0.33 U	**0.677**	0.329 U	0.33 U	0.33 U	0.329 U	0.33 U
4-Chloro-3-methylphenol	mg/kg	0.33 U	0.33 U	0.33 U	0.329 U	0.33 U	0.33 U	0.329 U	0.33 U
Diethyl phthalate	mg/kg	0.33 U	0.33 U	0.33 U	0.329 U	0.33 U	0.33 U	0.329 U	0.33 U
Hexachlorobenzene	mg/kg	0.33 U	0.33 U	**3.72**	**2.52**	0.33 U	0.33 U	0.329 U	**15.1**
Hexachlorobutadiene	mg/kg	0.33 U	0.33 U	**1.96**	**2.25**	0.33 U	0.33 U	**1.22**	**4.44**
Hexachloroethane	mg/kg	0.33 U	0.33 U	0.33 U	0.329 U	0.33 U	0.33 U	0.329 U	0.33 U

Notes: **Bold** = Analyte detected above reporting limit
U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.
J = Estimated concentration because quality control criteria were not met.

URS

Table 6
Summary of Detected Chemicals in Delineation Borings
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	DPT-9/0209:22-24 11/24/2009	DPT-11:8-10 11/24/2009	DPT-11/0209:10-12 11/24/2009	DUP -4 11/24/2009	DPT-11/0209:20-22 11/24/2009	DPT-12/0209:8-10 12/11/2009	DPT-12/0209:16-18 12/11/2009	DPT-13/0209:13-15 12/11/2009
Volatile Organics					*DPT-11:10-12*				
1,1,2,2-Tetrachloroethane	mg/kg	0.0032 U	**363**	**230 J**	**543 J**	**0.0357**	29.4 U	3.84 U	32.9 U
1,1,2-Trichloroethane	mg/kg	0.0032 U	**75.5**	61 U	**20.8**	0.0099 U	**101**	**23.5**	32.9 U
1,1-Dichloroethane	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	0.0099 U	29.4 U	3.84 U	32.9 U
1,1-Dichloroethene	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	0.0099 U	29.4 U	**6.71**	32.9 U
1,2-Dichloroethane	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	0.0099 U	29.4 U	3.84 U	32.9 U
1,2-Dichloropropane	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	0.0099 U	29.4 U	3.84 U	32.9 U
Acetone	mg/kg	0.064 U	308 U	1220 U	307 U	0.198 U	587 U	76.8 U	658 U
Carbon Disulfide	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	0.0099 U	29.4 U	3.84 U	32.9 U
cis-1,2-Dichloroethene	mg/kg	0.0032 U	**9.05**	61 U	**7.83**	0.0099 U	29.4 U	**5.53**	**41.3**
Tetrachloroethene	mg/kg	0.0032 U	**723**	**37.9 J**	**171 J**	**0.0122**	**2270**	**53.8**	**50.8**
Toluene	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	**0.0104**	29.4 U	3.84 U	32.9 U
Trans-1,2-Dichloroethene	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	0.0099 U	29.4 U	3.84 U	32.9 U
Trichloroethene	mg/kg	**0.00607**	**833**	**311 J**	**927 J**	**0.0844**	**2770**	**366**	**1140**
Vinyl Chloride	mg/kg	0.0032 U	15.4 U	61 U	15.4 U	0.0099 U	29.4 U	**7.1**	32.9 U
Semivolatile Organics									
1,2,4-Trichlorobenzene	mg/kg	0.329 U	0.328 U	0.33 U	0.33 U	0.329 U	0.33 U	0.328 U	**1.27**
1,2-Dichlorobenzene	mg/kg	0.329 U	0.328 U	0.33 U	0.33 U	0.329 U	0.33 U	0.328 U	**13.2**
2,4-Dinitrotoluene	mg/kg	0.329 U	0.328 U	0.33 U	0.33 U	0.329 U	0.33 U	0.328 U	0.329 U
4-Chloro-3-methylphenol	mg/kg	0.329 U	0.328 U	0.33 U	0.33 U	0.329 U	0.33 U	0.328 U	0.329 U
Diethyl phthalate	mg/kg	0.329 U	0.328 U	0.33 U	0.33 U	0.329 U	0.33 U	0.328 U	0.329 U
Hexachlorobenzene	mg/kg	0.329 U	**0.965**	0.33 U	**0.388**	0.329 U	**0.436**	0.328 U	0.329 U
Hexachlorobutadiene	mg/kg	0.329 U	**1.25**	**0.446 J**	**2.88 J**	0.329 U	**0.897**	0.328 U	0.329 U
Hexachloroethane	mg/kg	0.329 U	0.328 U	0.33 U	0.33 U	0.329 U	0.33 U	0.328 U	**0.482**

Notes: **Bold** = Analyte detected above reporting limit
U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.
J = Estimated concentration because quality control criteria were not met.

URS

Table 6
Summary of Detected Chemicals in Delineation Borings
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	DPT-13/0209:21-23 12/11/2009	DPT-14/0209:9-11 12/10/2009	DPT-14/0209:21-23 12/10/2009	DPT-14/0209:23-25 12/10/2009
Volatile Organics					
1,1,2,2-Tetrachloroethane	mg/kg	**0.0051**	**918**	0.55 U	0.574 U
1,1,2-Trichloroethane	mg/kg	**0.064**	**44**	0.55 U	0.574 U
1,1-Dichloroethane	mg/kg	**0.0092**	31.4 U	0.55 U	0.574 U
1,1-Dichloroethene	mg/kg	**0.0673**	31.4 U	0.55 U	0.574 U
1,2-Dichloroethane	mg/kg	**0.279**	31.4 U	0.55 U	0.574 U
1,2-Dichloropropane	mg/kg	0.00355 U	31.4 U	0.55 U	0.574 U
Acetone	mg/kg	0.071 U	628 U	11 U	11.5 U
Carbon Disulfide	mg/kg	**0.0168**	31.4 U	0.55 U	0.574 U
cis-1,2-Dichloroethene	mg/kg	**0.474**	**72.5**	0.55 U	0.574 U
Tetrachloroethene	mg/kg	**0.465 J**	**570**	0.55 U	0.574 U
Toluene	mg/kg	**0.00422**	31.4 U	0.55 U	0.574 U
Trans-1,2-Dichloroethene	mg/kg	**0.248 J**	31.4 U	0.55 U	0.574 U
Trichloroethene	mg/kg	**2.89**	**2370**	0.55 U	0.574 U
Vinyl Chloride	mg/kg	**2.17**	31.4 U	0.55 U	0.574 U
Semivolatile Organics					
1,2,4-Trichlorobenzene	mg/kg	0.325 U	0.33 U	0.329 U	0.33 U
1,2-Dichlorobenzene	mg/kg	0.325 U	0.33 U	0.329 U	0.33 U
2,4-Dinitrotoluene	mg/kg	0.325 U	0.33 U	0.329 U	0.33 U
4-Chloro-3-methylphenol	mg/kg	0.325 U	0.33 U	0.329 U	0.33 U
Diethyl phthalate	mg/kg	0.325 U	0.33 U	0.329 U	0.33 U
Hexachlorobenzene	mg/kg	0.325 U	0.33 U	0.329 U	0.33 U
Hexachlorobutadiene	mg/kg	0.325 U	0.33 U	0.329 U	0.33 U
Hexachloroethane	mg/kg	0.325 U	**0.608**	0.329 U	0.33 U

Notes: **Bold** = Analyte detected above reporting limit
U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.
J = Estimated concentration because quality control criteria were not met.

URS

Table 7
Summary of Detected Chemicals in Confirmatory Borings
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	DETWMW-1R:12-14 11/23/2009	DETWMW-2R:12-14 11/23/2009	DETWMW-3R:16-18 11/23/2009
Volatile Organics				
1,1,2,2-Tetrachloroethane	mg/kg	0.00955 U	**0.0105**	0.00775 U
Ethylbenzene	mg/kg	0.00955 U	**0.00664**	0.00775 U
Trichloroethene	mg/kg	**0.0447**	**0.0235**	**0.0362 J**
Semivolatile Organics				
None Detected				

Notes:

Bold = Analyte detected above reporting limit.

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because quality control criteria were not met.

Table 8
Summary of Detected Chemicals in Groundwater
Detrex Corporation
Ashtabula, Ohio

2006 SOUTHERN AREA GROUNDWATER SAMPLING EVENT

	Analyte	Units	IT-0601 (9/22/06)		DUP0922B IT-0601 Dup (9/22/06)[b]		IT-0603 (9/22/06)		IT-0605 (9/22/06)		IT-0607 (9/22/06)		IT-0609 (9/19/06)		IT-0611 (9/22/06)		IT-0613 (9/19/06)		IT-0615 (9/19/06)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	Benzene	mg/L	ND	0.005	**0.02**	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Acetone	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Trichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005

2009 WESTERN AREA SUBSURFACE INVESTIGATION GROUNDWATER SAMPLING EVENT

	Analyte	Units	DETWMW-1S (2/11/09)		DETWMW-2D (2/11/09)		DETWMW-2S (2/11/09)		DETWMW-2S (D) (2/11/09)[b]		DETWMW-3S (2/11/09)		DETWMW-3D (2/11/09)		DETWMW-4S (2/11/09)		DETWMW-4D (2/11/09)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2,2-Tetrachloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	cis-1,2-Dichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Tetrachloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	trans-1,2-Dichloroethene	mg/L	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
	Trichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
SVOCs	1,2-Dichlorobenzene	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010
	Hexachlorobenzene	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010
	Hexachlorobutadiene	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010
	Hexachloroethane	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010

Notes:
Bold = The analyte was detected above the reporting limit (RL).
ND = The analyte was analyzed for, but was not detected.
b = Duplicate Sample
c = MS / MSD Sample Taken

Table 8
Summary of Detected Chemicals in Groundwater
Detrex Corporation
Ashtabula, Ohio

2010 SITE-WIDE GROUNDWATER SAMPLING EVENT

	Analyte	Units	DETWMW-1S (3/8/10)		DETWMW-2D (3/8/10)		DETWMW-2S (3/8/10)		DETWMW-3S (3/8/10)		DETWMW-3D (3/8/10)		DUP-2 3D)	(DETWMW- (3/8/10)	DETWMW-4S (3/8/10)		DETWMW-4D (3/8/10)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2,2-Tetrachloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	cis-1,2-Dichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Tetrachloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	trans-1,2-Dichloroethene	mg/L	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
	Trichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005

	Analyte	Units	TRIP BLANK (3/6/10)		GP-01 (3/5/10)		GP-02 (3/5/10)		MW-1 (3/5/10)		MW-11S (3/5/10)		DUP-1 (MW-11S) (3/5/10)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2,2-Tetrachloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	cis-1,2-Dichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	**0.00801**	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Tetrachloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	trans-1,2-Dichloroethene	mg/L	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
	Trichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005

	Analyte	Units	IT-0600 (Field Blank) (3/5/10)		IT-0601 (3/5/10)		IT-0603 (3/5/10)		IT-0605 (3/5/10)		IT-0607 (3/5/10)		IT-0609 (3/5/10)[a]		IT-0611 (3/5/10)		IT-0613 (3/5/10)		IT-0615 (3/5/10)		TRIP BLANK (3/5/10)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	Benzene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Acetone	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Trichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005

Notes:
Bold = The analyte was detected above the reporting limit (RL).
ND = The analyte was analyzed for, but was not detected.
b = Duplicate Sample
c = MS / MSD Sample Taken

Table 8
Summary of Detected Chemicals in Groundwater
Detrex Corporation
Ashtabula, Ohio

DETREX QUARTERLY GROUNDWATER SAMPLING EVENTS

	Analyte	Units	MW-21 (1/28/10)		MW-02S (1/14/10)		MW-04S (1/14/10)		MW-10S (1/14/10)		MW-17S (1/14/10)		MW-18S (1/14/10)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	2.50	ND	2.50	ND	0.005	ND	0.005
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.005	ND	0.005	ND	2.50	ND	2.50	ND	0.005	ND	0.005
	1,1,2-Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	2.50	ND	2.50	ND	0.005	ND	0.005
	1,1-Dichloroethene	mg/L	ND	0.005	ND	0.005	ND	2.50	ND	2.50	ND	0.005	ND	0.005
	Choroform	mg/L	ND	0.005	ND	0.005	ND	2.50	ND	2.50	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	2.50	ND	2.50	ND	0.005	ND	0.005
	Trichloroethene	mg/L	ND	0.005	ND	0.005	50.90	2.50	70.50	2.50	ND	0.005	ND	0.005

	Analyte	Units	MW-21 (7/16/09)		MW-02S (7/16/09)		MW-04S (7/16/09)		MW-10S (7/16/09)		MW-17S (7/16/09)		MW-18S (7/16/09)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	0.250	ND	2.500	ND	0.005	ND	0.005
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.005	ND	0.005	ND	0.250	ND	2.500	ND	0.005	ND	0.005
	1,1,2-Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	0.250	ND	2.500	ND	0.005	ND	0.005
	1,1-Dichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.250	ND	2.500	ND	0.005	ND	0.005
	Choroform	mg/L	ND	0.005	ND	0.005	ND	0.250	ND	2.500	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.250	ND	2.500	ND	0.005	ND	0.005
	Trichloroethene	mg/L	ND	0.005	ND	0.005	31.70	0.250	55.40	2.500	ND	0.005	ND	0.005

	Analyte	Units	MW-21 (5/11/09)		MW-02S (4/23/09)		MW-04S (4/23/09)		MW-10S (4/23/09)		MW-17S (4/23/09)		MW-18S (4/23/09)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.001	ND	0.005	ND	0.250	ND	0.500	ND	0.005	ND	0.005
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.001	ND	0.005	ND	0.250	**0.808**	0.500	ND	0.005	ND	0.005
	1,1,2-Trichloroethane	mg/L	ND	0.001	ND	0.005	ND	0.250	ND	0.500	ND	0.005	ND	0.005
	1,1-Dichloroethene	mg/L	ND	0.001	ND	0.005	**1.14**	0.250	ND	0.500	ND	0.005	ND	0.005
	Choroform	mg/L	ND	0.001	ND	0.005	ND	0.250	ND	0.500	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.250	**0.505**	0.500	ND	0.005	ND	0.005
	Trichloroethene	mg/L	ND	0.001	**0.00692**	0.005	**35.50**	0.250	**44.80**	0.500	ND	0.005	ND	0.005

	Analyte	Units	MW-21 (1/29/09)		MW-02S (1/29/09)		MW-04S (1/29/09)		MW-10S (1/29/09)		MW-17S (1/29/09)		MW-18S (1/29/09)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.001	ND	0.100	ND	0.100	ND	0.001	ND	0.001
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.001	ND	0.001	ND	0.100	**1.78**	0.100	ND	0.001	ND	0.001
	1,1,2-Trichloroethane	mg/L	ND	0.001	ND	0.001	ND	0.100	ND	0.100	ND	0.001	ND	0.001
	1,1-Dichloroethene	mg/L	ND	0.001	ND	0.001	**0.949**	0.100	ND	0.100	ND	0.001	ND	0.001
	Choroform	mg/L	ND	0.001	ND	0.001	ND	0.100	ND	0.100	ND	0.001	ND	0.001
	Methylene Chloride	mg/L	ND	0.004	ND	0.004	ND	0.400	ND	0.400	ND	0.004	ND	0.004
	Trichloroethene	mg/L	ND	0.005	ND	0.001	**40.50**	0.100	**58.20**	0.100	ND	0.001	ND	0.001

Notes:
Bold = The analyte was detected above the reporting limit (RL).
ND = The analyte was analyzed for, but was not detected.
b = Duplicate Sample
c = MS / MSD Sample Taken

Table 8
Summary of Detected Chemicals in Groundwater
Detrex Corporation
Ashtabula, Ohio

DETREX QUARTERLY GROUNDWATER SAMPLING EVENTS

	Analyte	Units	MW-21 (11/12/08)		MW-02S (11/12/08)		MW-04S (11/12/08)		MW-10S (11/12/08)		MW-17S (11/12/08)		MW-18S (11/12/08)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	1.250	ND	2.500	ND	0.005	ND	0.005
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.005	ND	0.005	ND	1.250	**2.60**	2.500	ND	0.005	ND	0.005
	1,1,2-Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	1.250	ND	2.500	ND	0.005	ND	0.005
	1,1-Dichloroethene	mg/L	ND	0.005	ND	0.005	**1.27**	1.250	ND	2.500	ND	0.005	ND	0.005
	Choroform	mg/L	ND	0.005	ND	0.005	ND	1.250	ND	2.500	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	1.250	ND	2.500	ND	0.005	ND	0.005
	Trichloroethene	mg/L	ND	0.005	ND	0.005	**39.40**	1.250	**63.60**	2.500	ND	0.005	ND	0.005

	Analyte	Units	MW-21 (8/7/08)		MW-02S (8/7/08)		MW-04S (8/7/08)		MW-10S (8/7/08)		MW-17S (8/7/08)		MW-18S (8/7/08)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.001	ND	0.001	ND	0.010	ND	0.050	ND	0.001	ND	0.001
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.001	ND	0.001	ND	0.010	**2.47**	0.050	ND	0.001	ND	0.001
	1,1,2-Trichloroethane	mg/L	ND	0.001	ND	0.001	**0.0242**	0.010	ND	0.050	ND	0.001	ND	0.001
	1,1-Dichloroethene	mg/L	ND	0.001	ND	0.001	**0.216**	0.010	ND	0.050	ND	0.001	ND	0.001
	Choroform	mg/L	ND	0.002	ND	0.002	ND	0.020	**0.296**	0.050	ND	0.002	ND	0.002
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.050	ND	0.250	ND	0.005	ND	0.005
	Trichloroethene	mg/L	ND	0.002	ND	0.002	**24.50**	0.020	**49.06**	0.050	**0.00904**	0.002	ND	0.002

	Analyte	Units	MW-21 (5/8/08)		MW-02S (5/8/08)		MW-04S (5/8/08)		MW-10S (5/8/08)		MW-17S (5/8/08)		MW-18S (5/8/08)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.001	ND	0.001	ND	0.250	ND	0.250	ND	0.001	ND	0.001
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.001	ND	0.001	ND	0.250	**3.01**	0.250	ND	0.001	ND	0.001
	1,1,2-Trichloroethane	mg/L	ND	0.001	ND	0.001	ND	0.250	ND	0.250	ND	0.001	ND	0.001
	1,1-Dichloroethene	mg/L	ND	0.001	ND	0.001	**0.94**	0.250	ND	0.250	ND	0.001	ND	0.001
	Choroform	mg/L	ND	0.001	ND	0.001	ND	0.250	**0.346**	0.250	ND	0.001	ND	0.001
	Methylene Chloride	mg/L	ND	0.004	ND	0.004	ND	2.500	ND	2.500	ND	0.004	ND	0.004
	Trichloroethene	mg/L	ND	0.001	ND	0.001	**45.90**	0.250	**66.10**	0.250	ND	0.001	ND	0.001

	Analyte	Units	MW-21 (2/21/08)		MW-02S (2/21/08)		MW-04S (2/21/08)		MW-10S (2/21/08)		MW-17S (2/21/08)		MW-18S (2/21/08)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
VOCs	1,1,2 - Trichloroethane	mg/L	ND	0.001	ND	0.001	ND	0.250	ND	0.250	ND	0.001	ND	0.001
	1,1,2,2-Tetrachloroethane	mg/L	ND	0.001	ND	0.001	ND	0.250	**1.90**	0.250	ND	0.001	ND	0.001
	1,1,2-Trichloroethane	mg/L	ND	0.001	ND	0.001	ND	0.250	ND	0.250	ND	0.001	ND	0.001
	1,1-Dichloroethene	mg/L	ND	0.001	ND	0.001	**0.943**	0.250	ND	0.250	ND	0.001	ND	0.001
	Choroform	mg/L	ND	0.001	ND	0.001	ND	0.250	ND	0.250	ND	0.001	ND	0.001
	Methylene Chloride	mg/L	ND	0.004	ND	0.004	ND	1.000	ND	1.000	ND	0.004	ND	0.004
	Trichloroethene	mg/L	ND	0.001	ND	0.001	**38.40**	0.250	**66.40**	0.250	ND	0.001	ND	0.001

Notes:
Bold = The analyte was detected above the reporting limit (RL).
ND = The analyte was analyzed for, but was not detected.
b = Duplicate Sample
c = MS / MSD Sample Taken

Table 9
Summary of Detected Chemicals in CEI Vault Air Knife Samples
November 2009
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	AK-W-7.5 11/23/2009	AK-W-8 11/23/2009	AK-8-E 11/23/2009
Volatile Organics				
Acetone	mg/kg	**0.0924 J**	0.167 U	**0.0988**
Carbon Disulfide	mg/kg	**0.0422 J**	0.00835 U	**0.018**
cis-1,2-Dichloroethene	mg/kg	**0.00459 J**	0.00835 U	0.00345 U
Trichloroethene	mg/kg	0.0042 U	**0.0161**	0.00345 U
Semivolatile Organics				
None Detected		0.328 U	0.329 U	0.329 U

Notes: **Bold** = The analyte was reported above detection limits.
U = The analyte was analytzed for, but was not detected.
Value shown is the sample reporting limit.
J = Estimated concentration because quality control criteria were not met.

URS

Table 10
Interceptor Trench Groundwater Laboratory Data Summary
March 2010
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	DS Tributary East Trench (3/18/2010)	DS Tributary West Trench (3/18/2010)
Volatile Organics			
1,1,2,2-Tetrachloroethane	mg/L	**0.0302**	**0.0107**
1,1,2-Trichloroethane	mg/L	**4.56**	**0.0025**
1,1-Dichloroethene	mg/L	**0.631**	**9.04**
Chloroform	mg/L	**0.278**	**2.07**
Chloromethane	mg/L	0.250 U	**0.502**
cis-1,2-Dichloroethene	mg/L	**0.0354**	**14**
Tetrachloroethene	mg/L	**0.0067**	**0.00205**
Trans-1,2-Dichloroethene	mg/L	**1.95**	**10.6**
Trichloroethene	mg/L	**0.0315**	**0.0183**
Vinyl Chloride	mg/L	**0.89**	**10.8**
Semivolatile Organics			
Butyl benzyl phthalate	mg/L	0.0100 U	**0.0342**

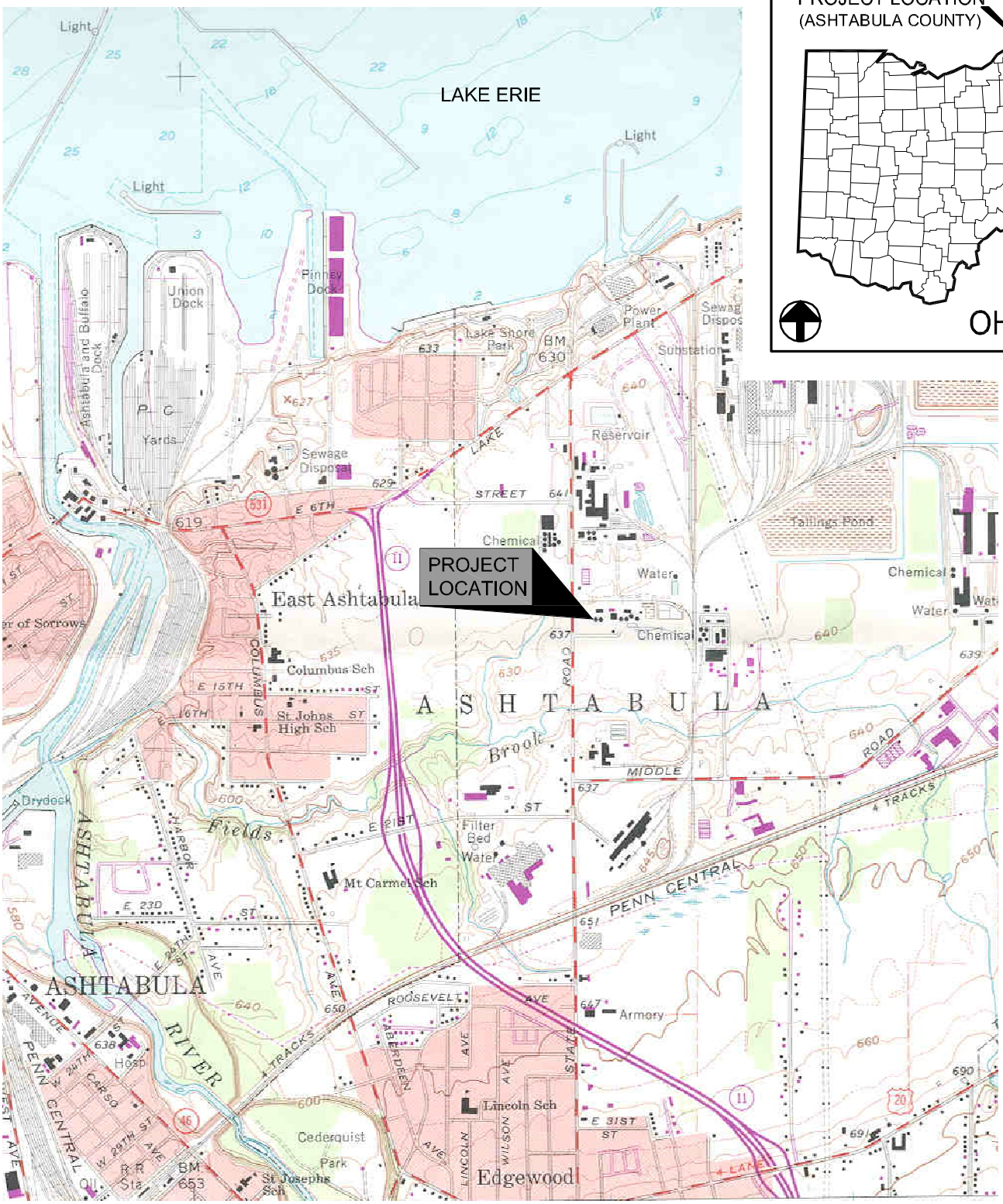
Notes:

Bold = The analyte was reported above detection limits

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

URS

FIGURES



UNITED STATES GEOLOGICAL SURVEY
1:24,000 QUADRANGLE
ASHTABULA NORTH, OHIO
1960 PHOTO REVISED 1970
PHOTOINSPECTED 1978

0 1000 2000
SCALE: 1'=2000'

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DETREX CORPORATION

ASHTABULA, OHIO

PROJECT SITE LOCATION MAP

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	MLS	13811443	1/18/10	1

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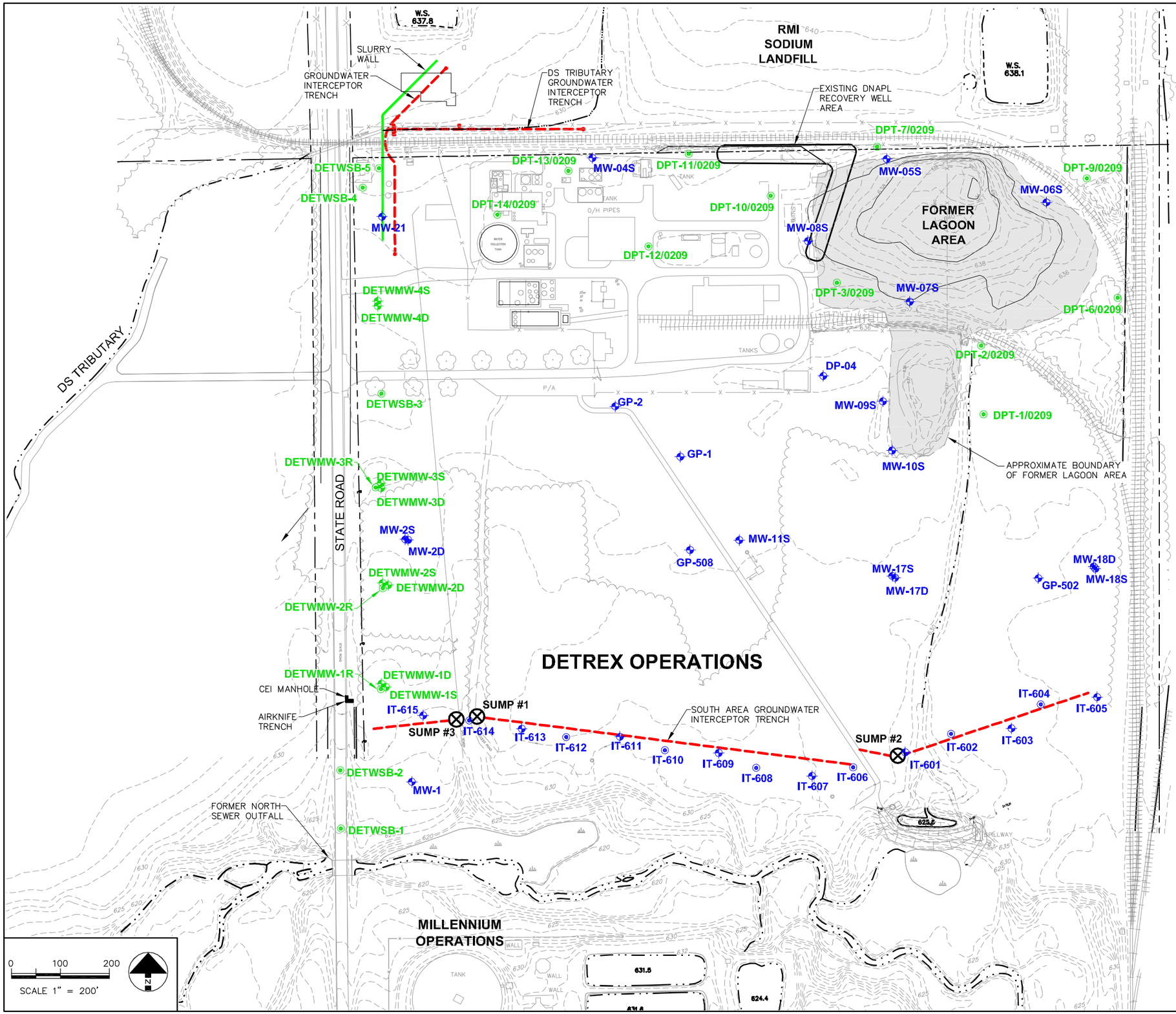

LEGEND

- MONITORING WELL (2009)
- MONITORING WELL (1993-2008)
- SOIL BORING (2009)
- SOIL BORING (1993-2008)
- EXISTING GROUND SURFACE CONTOUR (ft. MSL)
- GROUNDWATER COLLECTION TRENCH SUMP
- GROUNDWATER INTERCEPTOR TRENCH
- SLURRY WALL

URS

DETREX CORPORATION
ASHTABULA, OHIO

SITE FEATURES AND BORING LOCATIONS MAP

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
AMH	MLS	13811443	4/22/10	2

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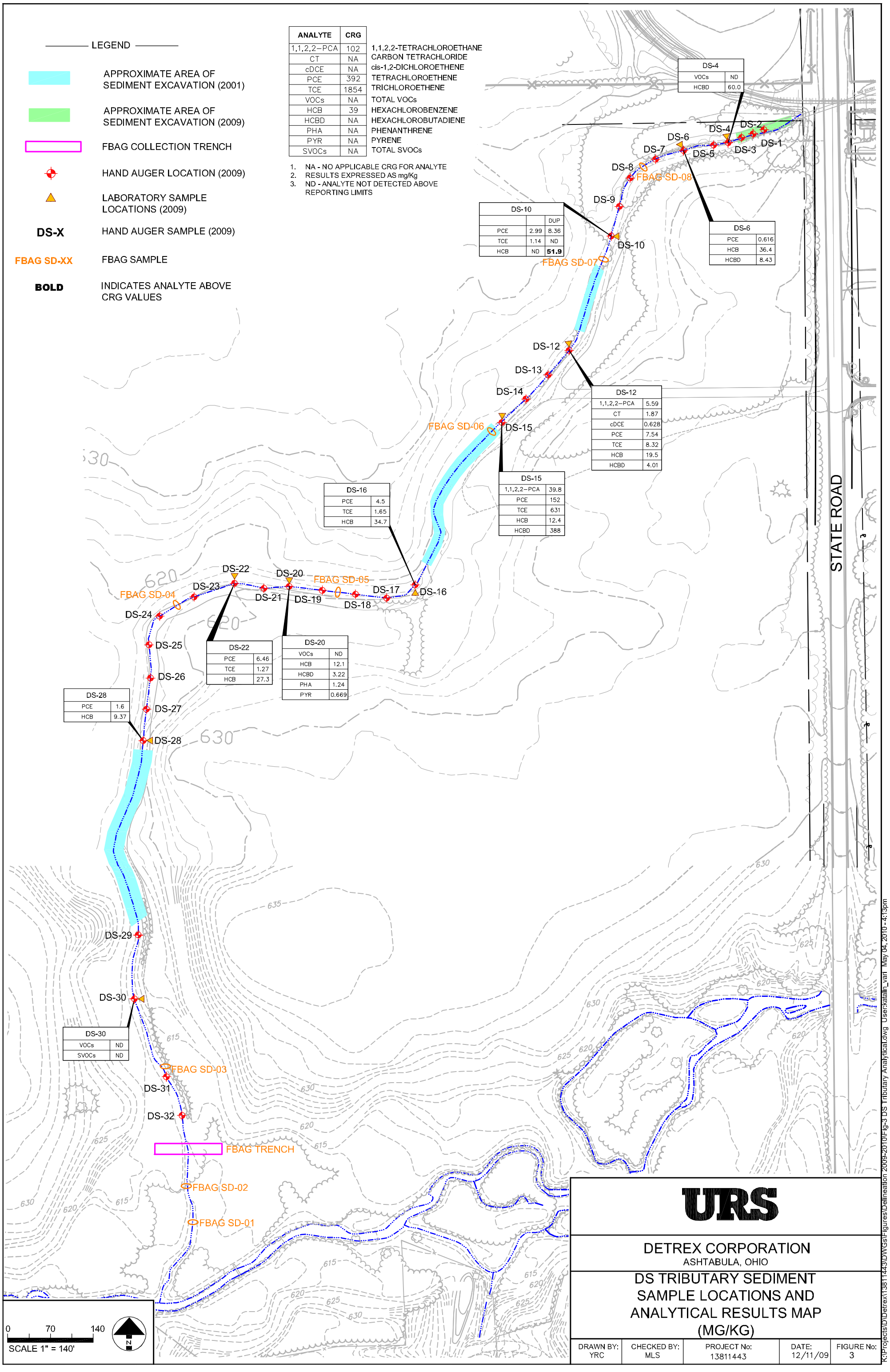
LEGEND

- APPROXIMATE AREA OF SEDIMENT EXCAVATION (2001)
- APPROXIMATE AREA OF SEDIMENT EXCAVATION (2009)
- FBAG COLLECTION TRENCH
- HAND AUGER LOCATION (2009)
- LABORATORY SAMPLE LOCATIONS (2009)
- DS-X — HAND AUGER SAMPLE (2009)
- FBAG SD-XX — FBAG SAMPLE
- **BOLD** — INDICATES ANALYTE ABOVE CRG VALUES

ANALYTE	CRG	
1,1,2,2-PCA	102	1,1,2,2-TETRACHLOROETHANE
CT	NA	CARBON TETRACHLORIDE
cDCE	NA	cis-1,2-DICHLOROETHENE
PCE	392	TETRACHLOROETHENE
TCE	1854	TRICHLOROETHENE
VOCs	NA	TOTAL VOCs
HCB	39	HEXACHLOROBENZENE
HCBD	NA	HEXACHLOROBUTADIENE
PHA	NA	PHENANTHRENE
PYR	NA	PYRENE
SVOCs	NA	TOTAL SVOCs

1. NA - NO APPLICABLE CRG FOR ANALYTE
2. RESULTS EXPRESSED AS mg/Kg
3. ND - ANALYTE NOT DETECTED ABOVE REPORTING LIMITS



DS-4	
VOCs	ND
HCBD	60.0

DS-10		
		DUP
PCE	2.99	8.36
TCE	1.14	ND
HCB	ND	**51.9**

DS-6	
PCE	0.616
HCB	36.4
HCBD	8.43

DS-12	
1,1,2,2-PCA	5.59
CT	1.87
cDCE	0.628
PCE	7.54
TCE	8.32
HCB	19.5
HCBD	4.01

DS-15	
1,1,2,2-PCA	39.8
PCE	152
TCE	631
HCB	12.4
HCBD	388

DS-16	
PCE	4.5
TCE	1.65
HCB	34.7

DS-22	
PCE	6.46
TCE	1.27
HCB	27.3

DS-20	
VOCs	ND
HCB	12.1
HCBD	3.22
PHA	1.24
PYR	0.669

DS-28	
PCE	1.6
HCB	9.37

DS-30	
VOCs	ND
SVOCs	ND

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DETREX CORPORATION
ASHTABULA, OHIO

DS TRIBUTARY SEDIMENT SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP (MG/KG)

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	MLS	13811443	12/11/09	3

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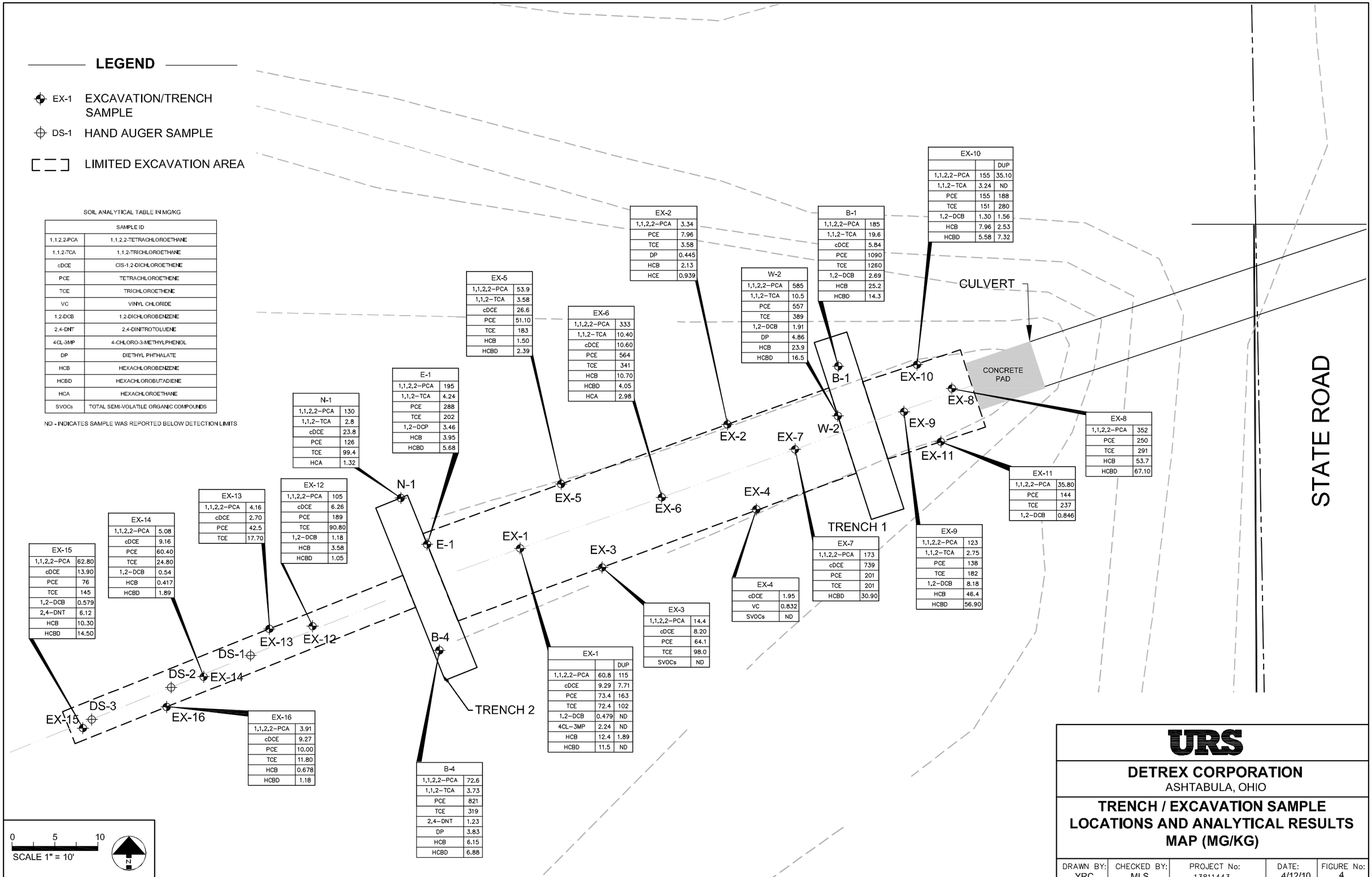
LEGEND

- EX-1 EXCAVATION/TRENCH SAMPLE
- DS-1 HAND AUGER SAMPLE
- LIMITED EXCAVATION AREA

SOIL ANALYTICAL TABLE IN MG/KG

SAMPLE ID	
1,1,2,2-PCA	1,1,2,2-TETRACHLOROETHANE
1,1,2-TCA	1,1,2-TRICHLOROETHANE
cDCE	CIS-1,2-DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
1,2-DCB	1,2-DICHLOROBENZENE
2,4-DNT	2,4-DINITROTOLUENE
4CL-3MP	4-CHLORO-3-METHYLPHENOL
DP	DIETHYL PHTHALATE
HCB	HEXACHLOROBENZENE
HCBD	HEXACHLOROBUTADIENE
HCA	HEXACHLOROETHANE
SVOCs	TOTAL SEMI-VOLATILE ORGANIC COMPOUNDS

ND - INDICATES SAMPLE WAS REPORTED BELOW DETECTION LIMITS



EX-2	
1,1,2,2-PCA	3.34
PCE	7.96
TCE	3.58
DP	0.445
HCB	2.13
HCE	0.939

B-1	
1,1,2,2-PCA	185
1,1,2-TCA	19.6
cDCE	5.84
PCE	1090
TCE	1260
1,2-DCB	2.69
HCB	25.2
HCBD	14.3

EX-10		
		DUP
1,1,2,2-PCA	155	35.10
1,1,2-TCA	3.24	ND
PCE	155	188
TCE	151	280
1,2-DCB	1.30	1.56
HCB	7.96	2.53
HCBD	5.58	7.32

EX-5	
1,1,2,2-PCA	53.9
1,1,2-TCA	3.58
cDCE	26.6
PCE	51.10
TCE	183
HCB	1.50
HCBD	2.39

EX-6	
1,1,2,2-PCA	333
1,1,2-TCA	10.40
cDCE	10.60
PCE	564
TCE	341
HCB	10.70
HCBD	4.05
HCA	2.98

W-2	
1,1,2,2-PCA	585
1,1,2-TCA	10.5
PCE	557
TCE	389
1,2-DCB	1.91
DP	4.86
HCB	23.9
HCBD	16.5

E-1	
1,1,2,2-PCA	195
1,1,2-TCA	4.24
PCE	288
TCE	202
1,2-DCP	3.46
HCB	3.95
HCBD	5.68

N-1	
1,1,2,2-PCA	130
1,1,2-TCA	2.8
cDCE	23.8
PCE	126
TCE	99.4
HCA	1.32

EX-8	
1,1,2,2-PCA	352
PCE	250
TCE	291
HCB	53.7
HCBD	67.10

EX-11	
1,1,2,2-PCA	35.80
PCE	144
TCE	237
1,2-DCB	0.846

EX-9	
1,1,2,2-PCA	123
1,1,2-TCA	2.75
PCE	138
TCE	182
1,2-DCB	8.18
HCB	46.4
HCBD	56.90

EX-7	
1,1,2,2-PCA	173
cDCE	739
PCE	201
TCE	201
HCBD	30.90

EX-4	
cDCE	1.95
VC	0.832
SVOCs	ND

EX-3	
1,1,2,2-PCA	14.4
cDCE	8.20
PCE	64.1
TCE	98.0
SVOCs	ND

EX-1		
		DUP
1,1,2,2-PCA	60.8	115
cDCE	9.29	7.71
PCE	73.4	163
TCE	72.4	102
1,2-DCB	0.479	ND
4CL-3MP	2.24	ND
HCB	12.4	1.89
HCBD	11.5	ND

EX-13	
1,1,2,2-PCA	4.16
cDCE	2.70
PCE	42.5
TCE	17.70

EX-12	
1,1,2,2-PCA	105
cDCE	6.26
PCE	189
TCE	90.80
1,2-DCB	1.18
HCB	3.58
HCBD	1.05

EX-14	
1,1,2,2-PCA	5.08
cDCE	9.16
PCE	60.40
TCE	24.80
1,2-DCB	0.54
HCB	0.417
HCBD	1.89

EX-15	
1,1,2,2-PCA	62.80
cDCE	13.90
PCE	76
TCE	145
1,2-DCB	0.579
2,4-DNT	6.12
HCB	10.30
HCBD	14.50

EX-16	
1,1,2,2-PCA	3.91
cDCE	9.27
PCE	10.00
TCE	11.80
HCB	0.678
HCBD	1.18

B-4	
1,1,2,2-PCA	72.6
1,1,2-TCA	3.73
PCE	821
TCE	319
2,4-DNT	1.23
DP	3.83
HCB	6.15
HCBD	6.88

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ASHTABULA, OHIO

TRENCH / EXCAVATION SAMPLE LOCATIONS AND ANALYTICAL RESULTS MAP (MG/KG)

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	MLS	13811443	4/12/10	4

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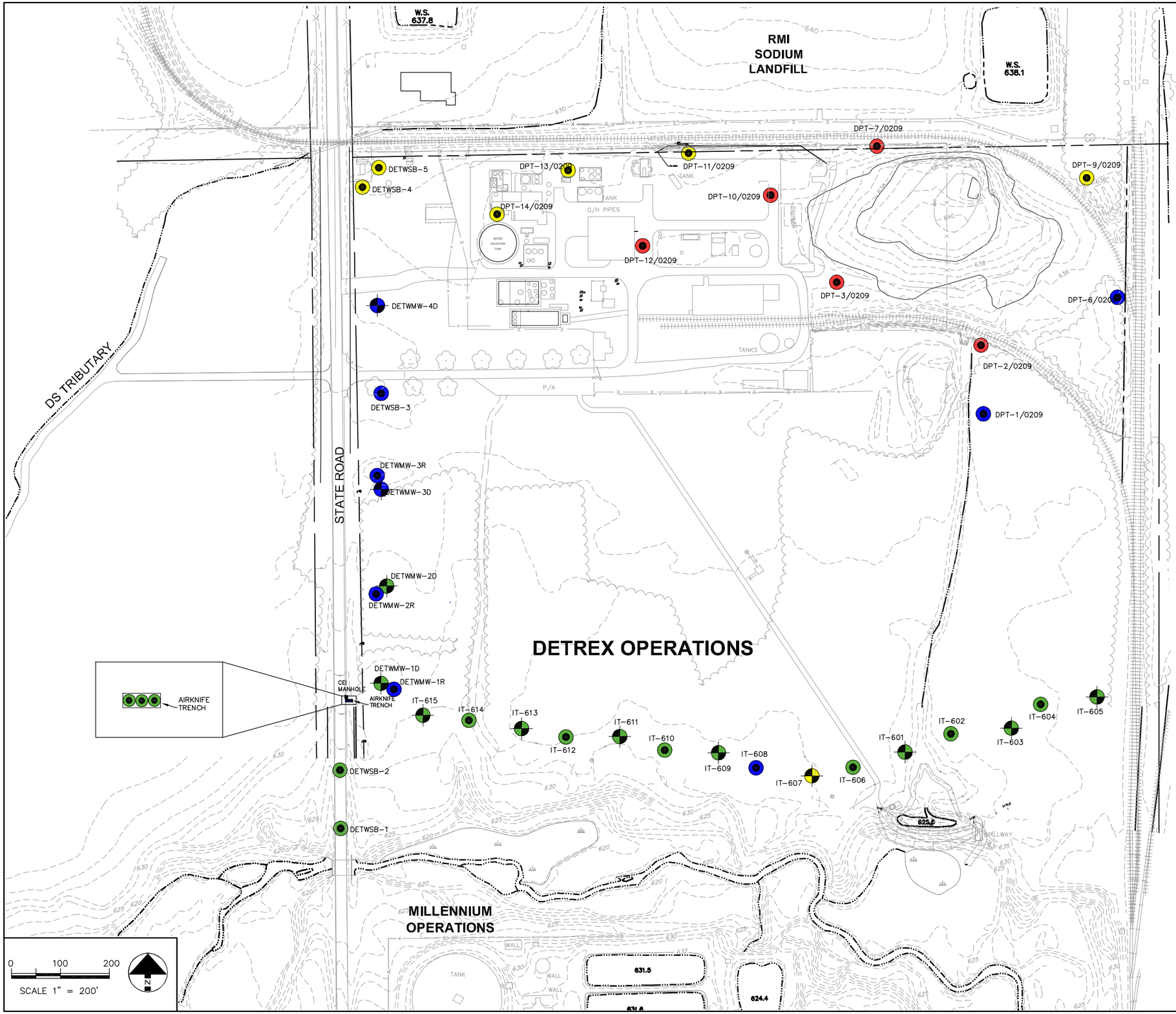

LEGEND

- MONITORING WELL
- SOIL BORING
- INDICATES SOIL SAMPLE COIs REPORTED BELOW DETECTION LIMITS
- INDICATES SOIL SAMPLE COIs REPORTED ABOVE DETECTION LIMIT TO 0.05 MG/KG FOR A SINGLE CONSTITUENT
- INDICATES SOIL SAMPLE COIs REPORTED ABOVE 0.05 MG/KG FOR A SINGLE CONSTITUENT
- INDICATES SOIL BORING / MONITORING WELL CONTAINING ANY AMOUNT OF DNAPL

NOTE:
IT-6XX WELLS INSTALLED IN 2006
DETWMW-X SHALLOW AND DEEP WELLS INSTALLED IN 2009
DPT/0209-XX BORINGS INSTALLED IN 2009

URS

DETREX CORPORATION
ASHTABULA, OHIO

SOIL SAMPLE LOCATIONS AND ANALYTICAL DETECTIONS MAP (COLOR-CODED)

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
AMH	MLS	13811443	4/06/10	5

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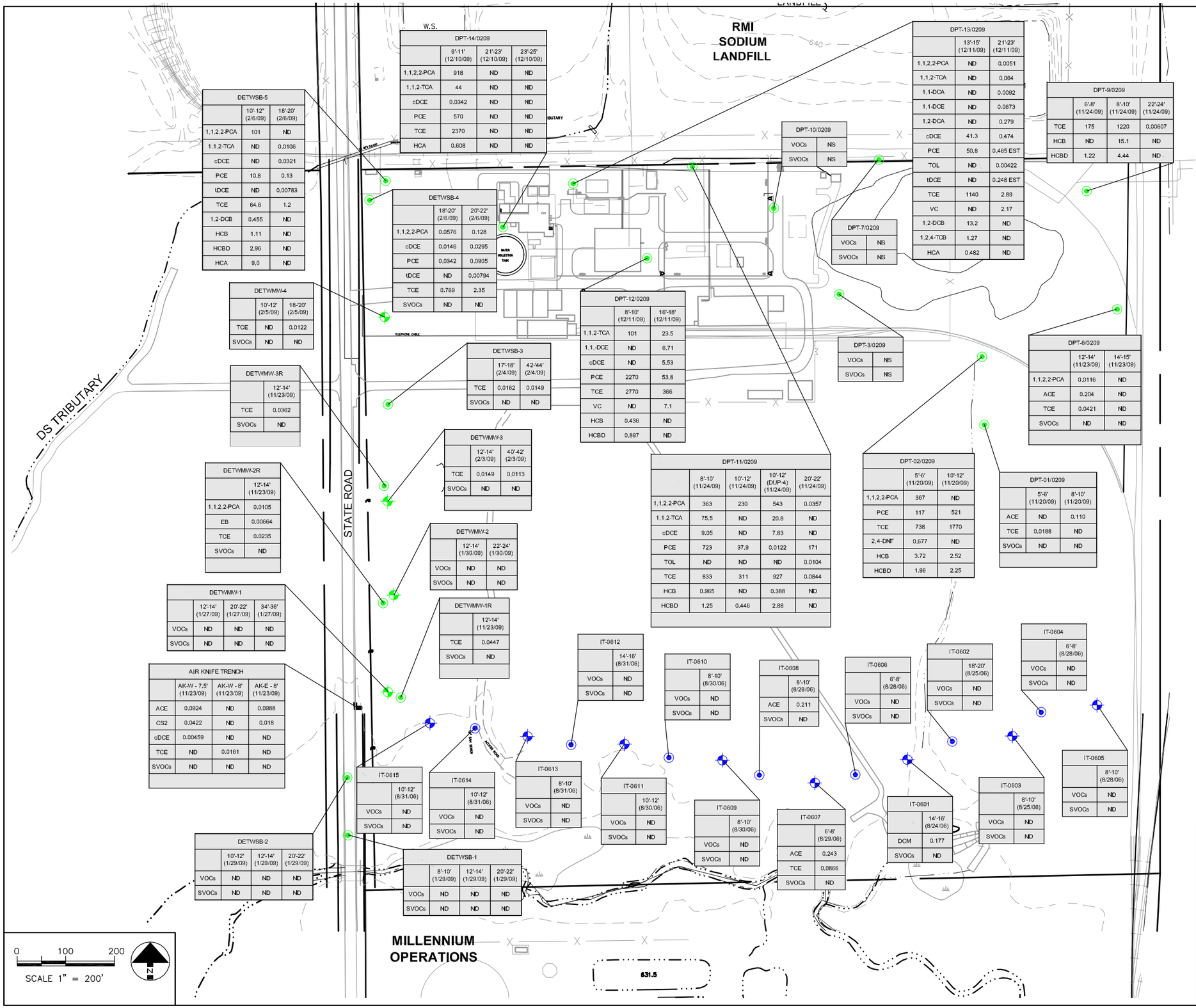

DPT-14/0209	9'-11' (12/10/09)	21'-23' (12/10/09)	23'-25' (12/10/09)
1,1,2,2-PCA	918	ND	ND
1,1,2-TCA	44	ND	ND
cDCE	0.0342	ND	ND
PCE	570	ND	ND
TCE	2370	ND	ND
HCA	0.608	ND	ND

DETWSB-5	10'-12" (2/6/09)	18'-20' (2/6/09)
1,1,2,2-PCA	101	ND
1,1,2-TCA	ND	0.0106
cDCE	ND	0.0321
PCE	10.8	0.13
tDCE	ND	0.00783
TCE	64.6	1.2
1,2-DCB	0.455	ND
HCB	1.11	ND
HCBD	2.96	ND
HCA	9.0	ND

DETWSB-4	18'-20' (2/6/09)	20'-22' (2/6/09)
1,1,2,2-PCA	0.0576	0.128
cDCE	0.0146	0.0295
PCE	0.0342	0.0905
tDCE	ND	0.00794
TCE	0.769	2.35
SVOCs	ND	ND

DETWMW-4	10'-12' (2/5/09)	18'-20' (2/5/09)
TCE	ND	0.0122
SVOCs	ND	ND

DETWMW-3R	12'-14' (11/23/09)
TCE	0.0362
SVOCs	ND

DETWSB-3	17'-18' (2/4/09)	42'-44' (2/4/09)
TCE	0.0162	0.0149
SVOCs	ND	ND

DETWMW-3	12'-14' (2/3/09)	40'-42' (2/3/09)
TCE	0.0149	0.0113
SVOCs	ND	ND

DETWMW-2R	12'-14' (11/23/09)
1,1,2,2-PCA	0.0105
EB	0.00664
TCE	0.0235
SVOCs	ND

DETWMW-2	12'-14' (1/30/09)	22'-24' (1/30/09)
VOCs	ND	ND
SVOCs	ND	ND

DETWMW-1	12'-14' (1/27/09)	20'-22' (1/27/09)	34'-36' (1/27/09)
VOCs	ND	ND	ND
SVOCs	ND	ND	ND

DETWMW-1R	12'-14' (11/23/09)
TCE	0.0447
SVOCs	ND

AIR KNIFE TRENCH	AK-W - 7.5' (11/23/09)	AK-W - 8' (11/23/09)	AK-E - 8' (11/23/09)
ACE	0.0924	ND	0.0988
CS2	0.0422	ND	0.018
cDCE	0.00459	ND	ND
TCE	ND	0.0161	ND
SVOCs	ND	ND	ND

DETWSB-2	10'-12' (1/29/09)	12'-14' (1/29/09)	20'-22' (1/29/09)
VOCs	ND	ND	ND
SVOCs	ND	ND	ND

DETWSB-1	8'-10' (1/29/09)	12'-14' (1/29/09)	20'-22' (1/29/09)
VOCs	ND	ND	ND
SVOCs	ND	ND	ND

DPT-12/0209	8'-10' (12/11/09)	16'-18' (12/11/09)
1,1,2-TCA	101	23.5
1,1,-DCE	ND	6.71
cDCE	ND	5.53
PCE	2270	53.8
TCE	2770	366
VC	ND	7.1
HCB	0.436	ND
HCBD	0.897	ND

DPT-11/0209	8'-10' (11/24/09)	10'-12' (11/24/09)	10'-12' (DUP-4) (11/24/09)	20'-22' (11/24/09)
1,1,2,2-PCA	363	230	543	0.0357
1,1,2-TCA	75.5	ND	20.8	ND
cDCE	9.05	ND	7.83	ND
PCE	723	37.9	0.0122	171
TOL	ND	ND	ND	0.0104
TCE	833	311	927	0.0844
HCB	0.965	ND	0.388	ND
HCBD	1.25	0.446	2.88	ND

DPT-10/0209	
VOCs	NS
SVOCs	NS

DPT-7/0209	
VOCs	NS
SVOCs	NS

DPT-3/0209	
VOCs	NS
SVOCs	NS

DPT-13/0209	13'-15' (12/11/09)	21'-23' (12/11/09)
1,1,2,2-PCA	ND	0.0051
1,1,2-TCA	ND	0.064
1,1-DCA	ND	0.0092
1,1-DCE	ND	0.0673
1,2-DCA	ND	0.279
cDCE	41.3	0.474
PCE	50.8	0.465 EST
TOL	ND	0.00422
tDCE	ND	0.248 EST
TCE	1140	2.89
VC	ND	2.17
1,2-DCB	13.2	ND
1,2,4-TCB	1.27	ND
HCA	0.482	ND

DPT-9/0209	6'-8' (11/24/09)	8'-10' (11/24/09)	22'-24' (11/24/09)
TCE	175	1220	0.00607
HCB	ND	15.1	ND
HCBD	1.22	4.44	ND

DPT-6/0209	12'-14' (11/23/09)	14'-15' (11/23/09)
1,1,2,2-PCA	0.0116	ND
ACE	0.204	ND
TCE	0.0421	ND
SVOCs	ND	ND

DPT-02/0209	5'-6' (11/20/09)	10'-12' (11/20/09)
1,1,2,2-PCA	367	ND
PCE	117	521
TCE	738	1770
2,4-DNT	0.677	ND
HCB	3.72	2.52
HCBD	1.96	2.25

DPT-01/0209	5'-6' (11/20/09)	8'-10' (11/20/09)
ACE	ND	0.110
TCE	0.0188	ND
SVOCs	ND	ND

IT-0612	14'-16' (8/31/06)
VOCs	ND
SVOCs	ND

IT-0610	8'-10' (8/30/06)
VOCs	ND
SVOCs	ND

IT-0608	8'-10' (8/29/06)
ACE	0.211
SVOCs	ND

IT-0606	6'-8' (8/28/06)
VOCs	ND
SVOCs	ND

IT-0602	18'-20' (8/25/06)
VOCs	ND
SVOCs	ND

IT-0604	6'-8' (8/28/06)
VOCs	ND
SVOCs	ND

IT-0615	10'-12' (8/31/06)
VOCs	ND
SVOCs	ND

IT-0614	10'-12' (8/31/06)
VOCs	ND
SVOCs	ND

IT-0613	8'-10' (8/31/06)
VOCs	ND
SVOCs	ND

IT-0611	10'-12' (8/30/06)
VOCs	ND
SVOCs	ND

IT-0609	8'-10' (8/30/06)
VOCs	ND
SVOCs	ND

IT-0607	6'-8' (8/29/06)
ACE	0.243
TCE	0.0866
SVOCs	ND

IT-0601	14'-16' (8/24/06)
DCM	0.177
SVOCs	ND

IT-0603	8'-10' (8/25/06)
VOCs	ND
SVOCs	ND

IT-0605	8'-10' (8/28/06)
VOCs	ND
SVOCs	ND

LEGEND

- MONITORING WELL (2009)
- MONITORING WELL (2006)
- SOIL BORING (2009)
- SOIL BORING (2006)

SOIL ANALYTICAL TABLE IN MG/KG

WELL / SOIL BORING ID	
	SAMPLE DEPTH (DATE)
1,1,2,2-PCA	1,1,2,2-TETRACHLOROETHANE
1,1,2-TCA	1,1,2-TRICHLOROETHANE
1,1-DCA	1,1-DICHLOROETHANE
1,1-DCE	1,1-DICHLOROETHENE
1,2-DCA	1,2-DICHLOROETHANE
1,2-DCP	1,2-DICHLOROPROPANE
ACE	ACETONE
CS2	CARBON DISULFIDE
c-DCE	CIS-1,2-DICHLOROETHENE
EB	ETHYLBENZENE
PCE	TETRACHLOROETHENE
TOL	TOLUENE
tDCE	TRANS-1,2-DICHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
VOCs	TOTAL VOLATILE ORGANIC COMPOUNDS
1,2-DCB	1,2-DICHLOROBENZENE
2,4-DNT	2,4-DINITROTOLUENE
1,2,4-TCB	1,2,4-TRICHLOROBENZENE
HCB	HEXACHLOROBENZENE
HCBD	HEXACHLOROBUTADIENE
HCA	HEXACHLOROETHANE
SVOCs	TOTAL SEMI-VOLATILE ORGANIC COMPOUNDS

ND - INDICATES SAMPLE WAS REPORTED BELOW DETECTION LIMITS
NS - NO SAMPLE TAKEN DUE TO PRESENCE OF DNAPL

URS

DETREX CORPORATION
ASHTABULA, OHIO

SOIL ANALYTICAL RESULTS MAP (MG/KG)

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
AMH	MLS	13811443	4/19/10	6

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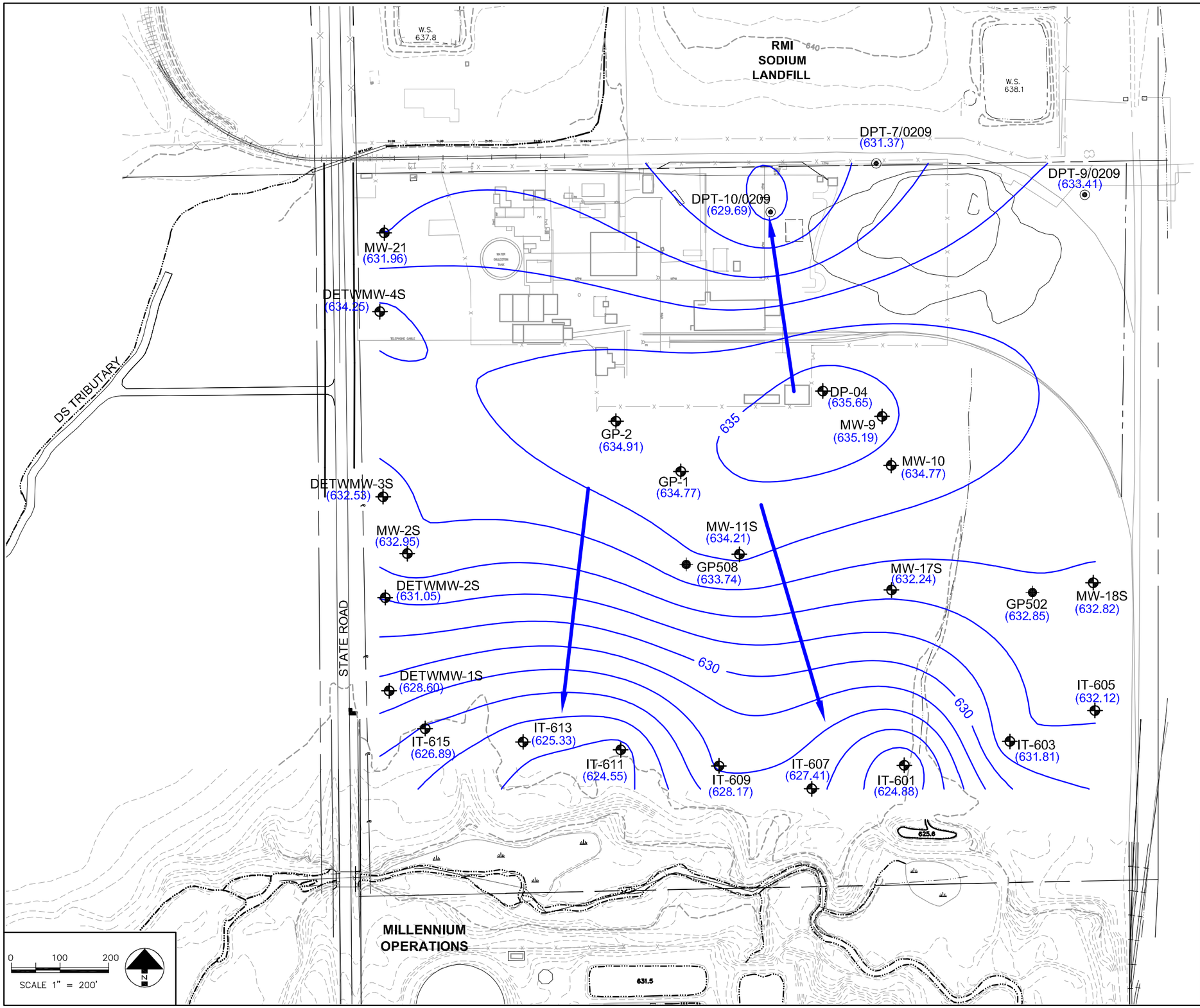


LEGEND

- MONITORING WELL
- PIEZOMETER
- SOIL BORING WITH TEMPORARY PVC WELL CASING
- 635 GROUNDWATER CONTOUR LINE

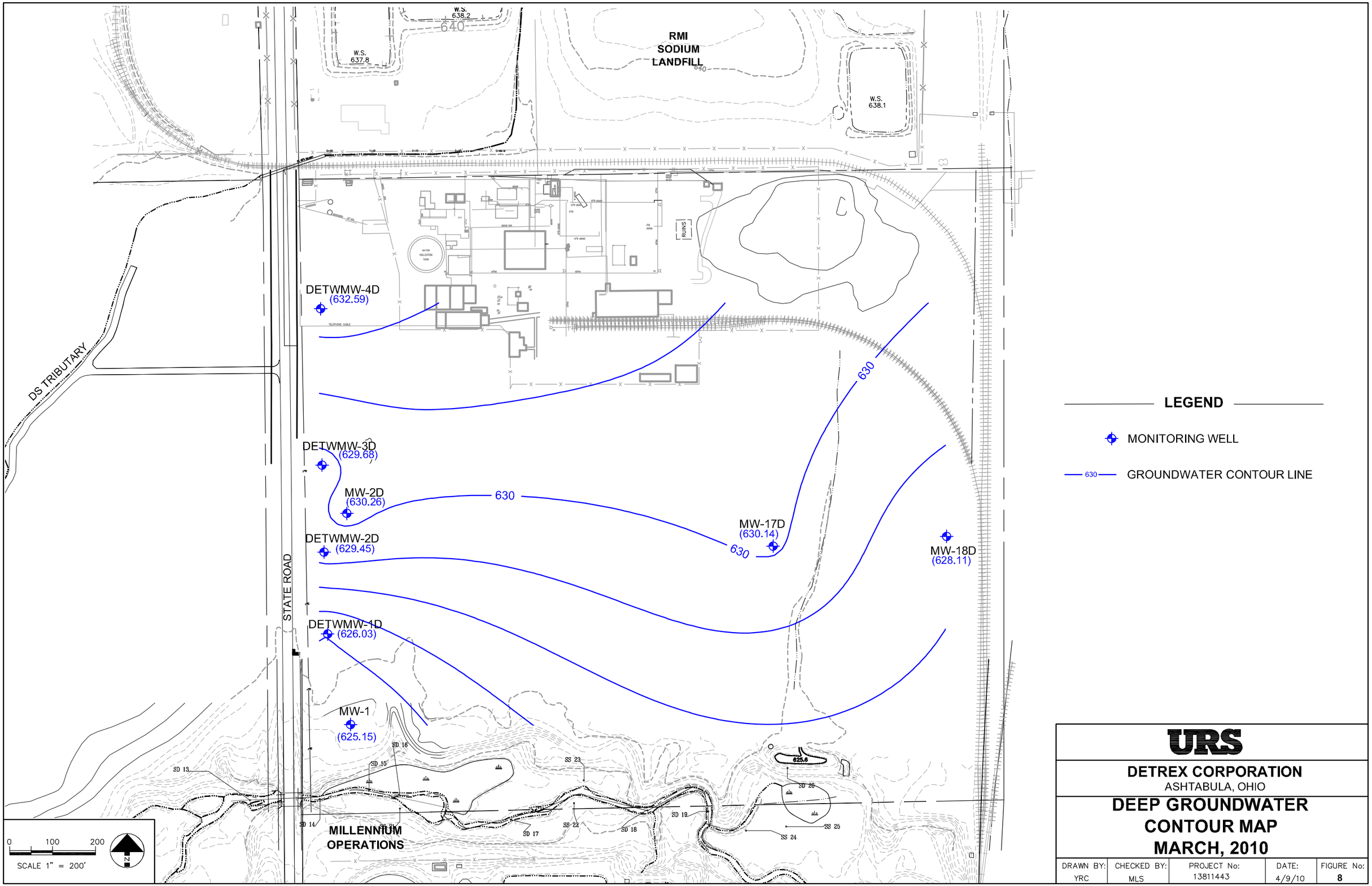
URS

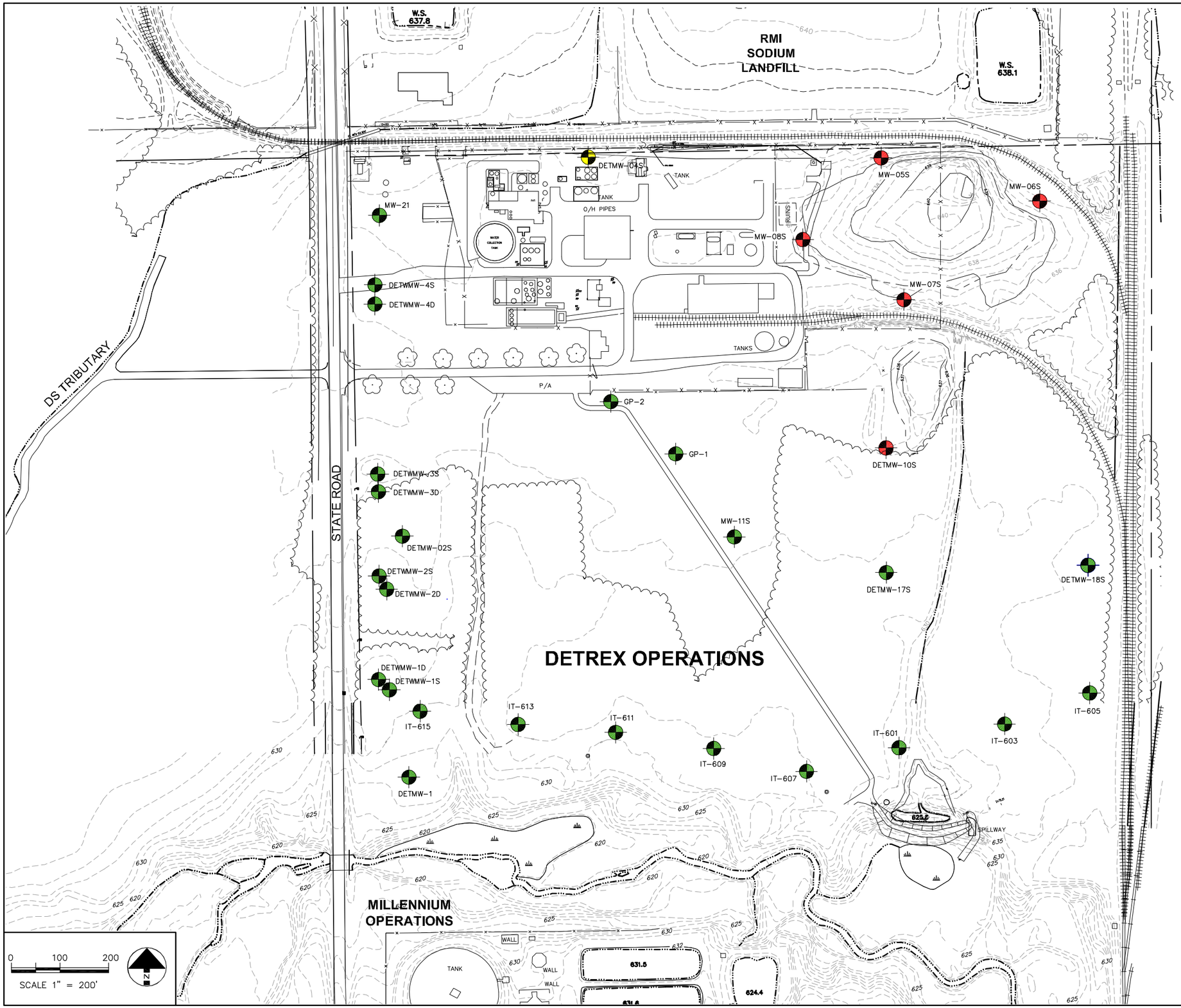
DETREX CORPORATION
ASHTABULA, OHIO

SHALLOW GROUNDWATER CONTOUR MAP MARCH, 2010

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	MLS	13811443	4/19/10	7

K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-7-Shallow GW Contour.dwg User:katalin_vari May 04, 2010 - 4:13pm


W.S. 638.2
640
W.S. 637.8
RMI SODIUM LANDFILL
640
W.S. 638.1
RUINS
DETWMW-4D (632.59)
DS TRIBUTARY
630
DETWMW-3D (629.68)
MW-2D (630.26)
630
MW-17D (630.14)
630
MW-18D (628.11)
DETWMW-2D (629.45)
STATE ROAD
DETWMW-1D (626.03)
MW-1 (625.15)
SD 13
SD 14
SD 15
SD 16
SD 17
SD 18
SD 19
SD 20
SS 22
SS 23
SS 24
SS 25
625.6
MILLENNIUM OPERATIONS
0 100 200
SCALE 1" = 200'
N
LEGEND
MONITORING WELL
630 GROUNDWATER CONTOUR LINE
URS
DETREX CORPORATION
ASHTABULA, OHIO
DEEP GROUNDWATER CONTOUR MAP
MARCH, 2010
DRAWN BY: YRC
CHECKED BY: MLS
PROJECT No: 13811443
DATE: 4/9/10
FIGURE No: 8
K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-8-Deep GW Contour.dwg User:katalin_vari May 04, 2010 - 4:13pm



K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-9-GWConcentrations Color.dwg User:katalin_vari May 04, 2010 - 4:13pm

LEGEND

- MONITORING WELL
- INDICATES MONITORING WELL COIs REPORTED BELOW DETECTION LIMITS
- INDICATES MONITORING WELL COIs REPORTED ABOVE DETECTION LIMIT TO 0.05 MG/l FOR A SINGLE CONSTITUENT
- INDICATES MONITORING WELL COIs REPORTED ABOVE 0.05 MG/KG FOR A SINGLE CONSTITUENT
- INDICATES MONITORING WELL CONTAINS ANY AMOUNT OF FREE PRODUCT (DNAPL)

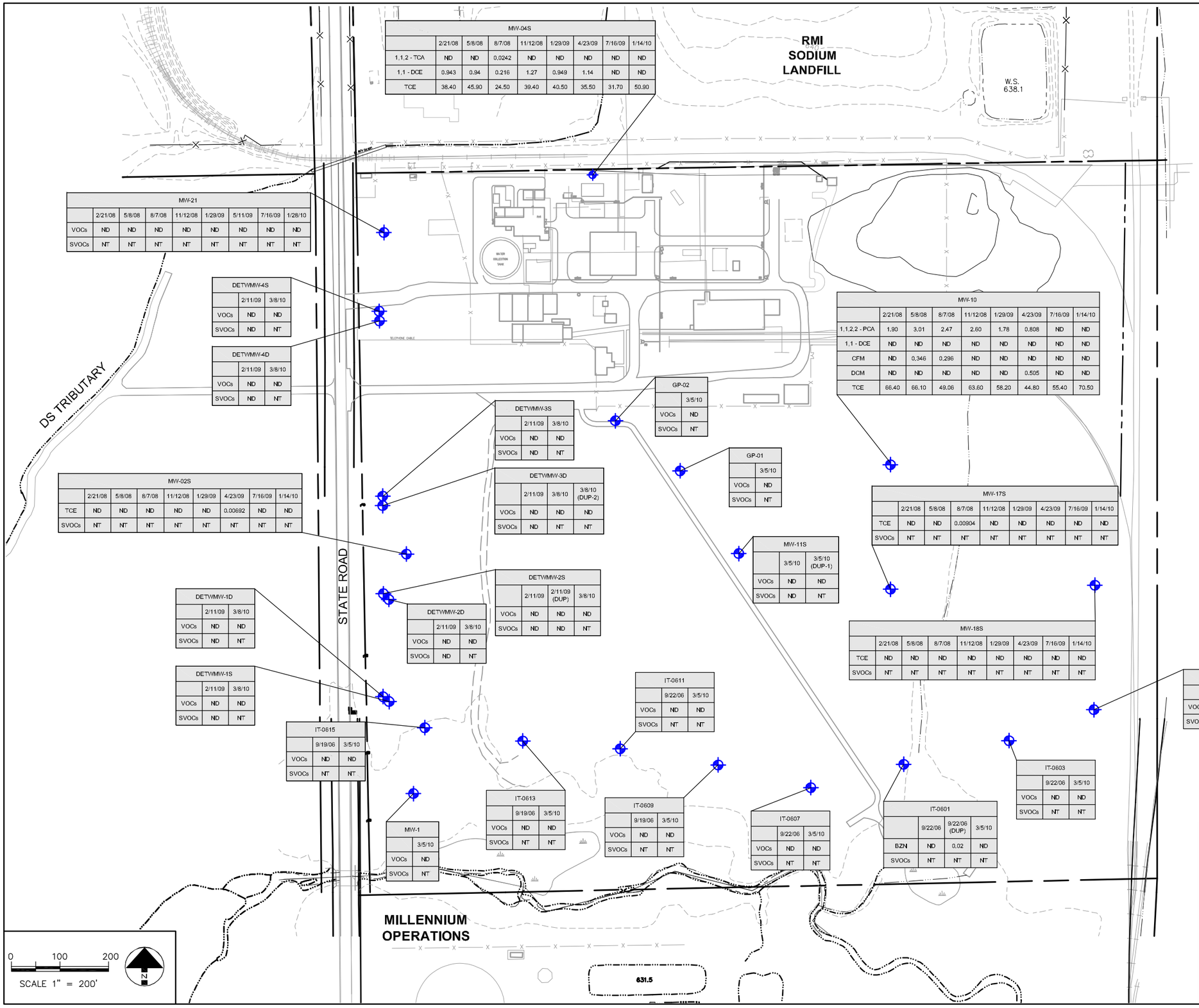
NOTE:
DATAFROM 2010 SAMPLING EVENT

URS

DETREX CORPORATION
ASHTABULA, OHIO

GROUNDWATER MONITORING WELL LOCATIONS AND ANALYTICAL DETECTIONS MAP (COLOR-CODED)

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
AMH	MLS	13811443	4/08/10	9



MW-04S								
	2/21/08	5/8/08	8/7/08	11/12/08	1/29/09	4/23/09	7/16/09	1/14/10
1,1,2 - TCA	ND	ND	0.0242	ND	ND	ND	ND	ND
1,1 - DCE	0.943	0.94	0.216	1.27	0.949	1.14	ND	ND
TCE	38.40	45.90	24.50	39.40	40.50	35.50	31.70	50.90

MW-21								
	2/21/08	5/8/08	8/7/08	11/12/08	1/29/09	5/11/09	7/16/09	1/28/10
VOCs	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs	NT	NT	NT	NT	NT	NT	NT	NT

DETWMW-4S		
	2/11/09	3/8/10
VOCs	ND	ND
SVOCs	ND	NT

DETWMW-4D		
	2/11/09	3/8/10
VOCs	ND	ND
SVOCs	ND	NT

MW-10								
	2/21/08	5/8/08	8/7/08	11/12/08	1/29/09	4/23/09	7/16/09	1/14/10
1,1,2,2 - PCA	1.90	3.01	2.47	2.60	1.78	0.808	ND	ND
1,1 - DCE	ND	ND	ND	ND	ND	ND	ND	ND
CFM	ND	0.346	0.296	ND	ND	ND	ND	ND
DCM	ND	ND	ND	ND	ND	0.505	ND	ND
TCE	66.40	66.10	49.06	63.60	58.20	44.80	55.40	70.50

GP-02	
	3/5/10
VOCs	ND
SVOCs	NT

DETWMW-3S		
	2/11/09	3/8/10
VOCs	ND	ND
SVOCs	ND	NT

GP-01	
	3/5/10
VOCs	ND
SVOCs	NT

MW-02S								
	2/21/08	5/8/08	8/7/08	11/12/08	1/29/09	4/23/09	7/16/09	1/14/10
TCE	ND	ND	ND	ND	ND	0.00692	ND	ND
SVOCs	NT	NT	NT	NT	NT	NT	NT	NT

DETWMW-3D			
	2/11/09	3/8/10	3/8/10 (DUP-2)
VOCs	ND	ND	ND
SVOCs	ND	NT	NT

MW-17S								
	2/21/08	5/8/08	8/7/08	11/12/08	1/29/09	4/23/09	7/16/09	1/14/10
TCE	ND	ND	0.00904	ND	ND	ND	ND	ND
SVOCs	NT	NT	NT	NT	NT	NT	NT	NT

MW-11S		
	3/5/10	3/5/10 (DUP-1)
VOCs	ND	ND
SVOCs	ND	NT

DETWMW-2S			
	2/11/09	2/11/09 (DUP)	3/8/10
VOCs	ND	ND	ND
SVOCs	ND	ND	NT

DETWMW-1D		
	2/11/09	3/8/10
VOCs	ND	ND
SVOCs	ND	NT

DETWMW-2D		
	2/11/09	3/8/10
VOCs	ND	ND
SVOCs	ND	NT

MW-18S								
	2/21/08	5/8/08	8/7/08	11/12/08	1/29/09	4/23/09	7/16/09	1/14/10
TCE	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs	NT	NT	NT	NT	NT	NT	NT	NT

DETWMW-1S		
	2/11/09	3/8/10
VOCs	ND	ND
SVOCs	ND	NT

IT-0611		
	9/22/06	3/5/10
VOCs	ND	ND
SVOCs	NT	NT

IT-0605		
	9/22/06	3/5/10
VOCs	ND	ND
SVOCs	NT	NT

IT-0615		
	9/19/06	3/5/10
VOCs	ND	ND
SVOCs	NT	NT

IT-0603		
	9/22/06	3/5/10
VOCs	ND	ND
SVOCs	NT	NT

IT-0613		
	9/19/06	3/5/10
VOCs	ND	ND
SVOCs	NT	NT

IT-0609		
	9/19/06	3/5/10
VOCs	ND	ND
SVOCs	NT	NT

IT-0607		
	9/22/06	3/5/10
VOCs	ND	ND
SVOCs	NT	NT

IT-0601			
	9/22/06	9/22/06 (DUP)	3/5/10
BZN	ND	0.02	ND
SVOCs	NT	NT	NT

MW-1	
	3/5/10
VOCs	ND
SVOCs	NT

LEGEND

MONITORING WELL

GROUNDWATER ANALYTICAL TABLE IN MG/L

MONITORING WELL ID	
	DATE SAMPLED
1,1,2,2-PCA	1,1,2,2-TETRACHLOROETHANE
1,1,2-TCA	1,1,2-TRICHLOROETHANE
1,1-DCE	1,1-DICHLOROETHENE
CFM	CHLOROFORM
BZN	BENZENE
DCM	METHYLENE CHLORIDE
TCE	TRICHLOROETHENE
VOCs	TOTAL VOLATILE ORGANIC COMPOUNDS
SVOCs	TOTAL SEMI-VOLATILE ORGANIC COMPOUNDS

ND - INDICATES ANALYTE WAS NOT DETECTED
NT - SAMPLE WAS NOT TESTED FOR SVOCS

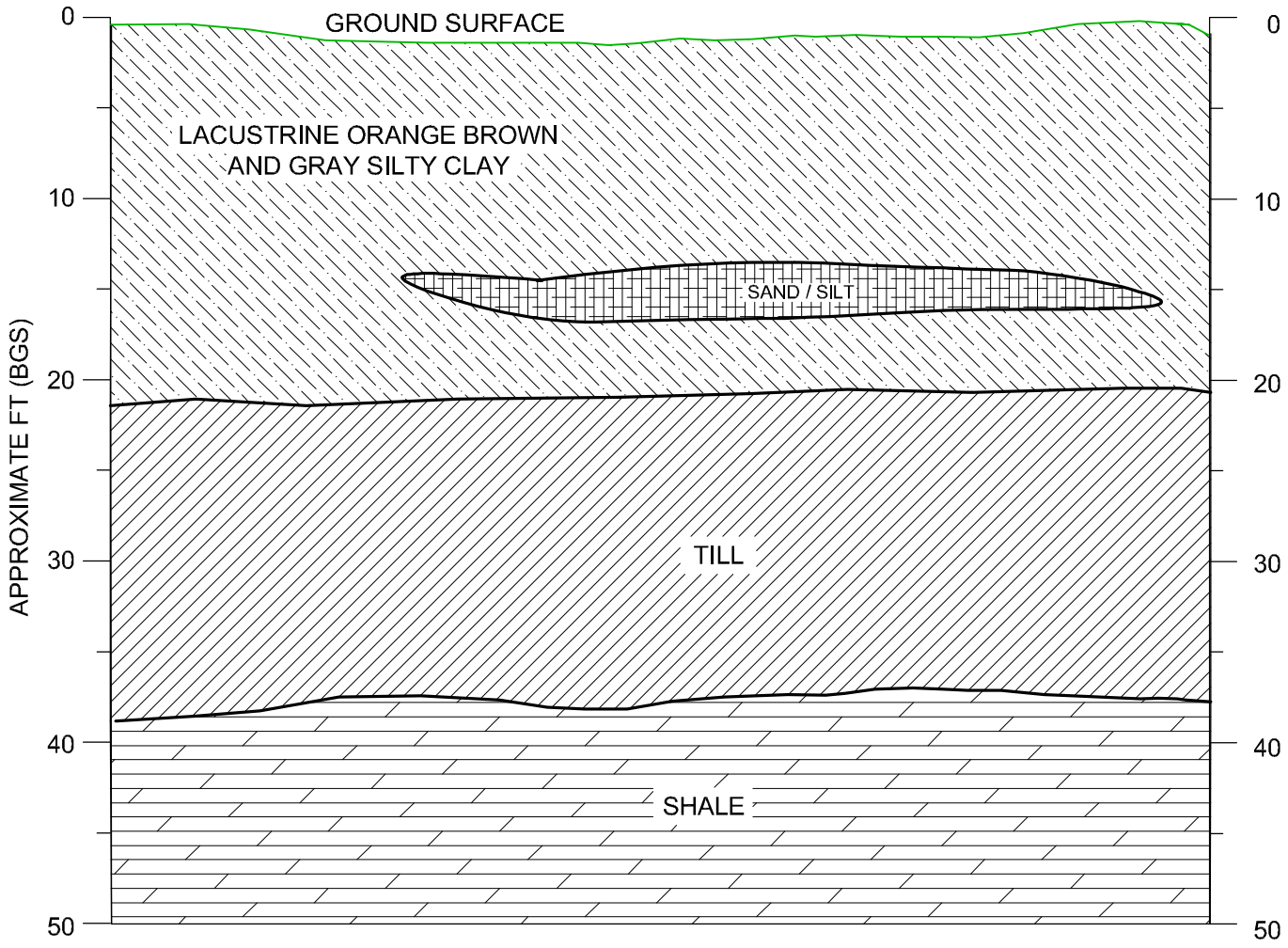
URS

DETREX CORPORATION
ASHTABULA, OHIO

GROUNDWATER ANALYTICAL RESULTS MAP (MG/L)

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
AMH	MLS	13811443	4/10/10	10

K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-10-GW Analytical data.dwg User:katalin_vari May 04, 2010 - 4:13pm



LEGEND

- LACUSTRINE CLAY
- TILL
- SAND / SILT
- SHALE
- APPROXIMATE GEOCONTACT

0 5 10

VERTICAL SCALE 1" = 10'

URS

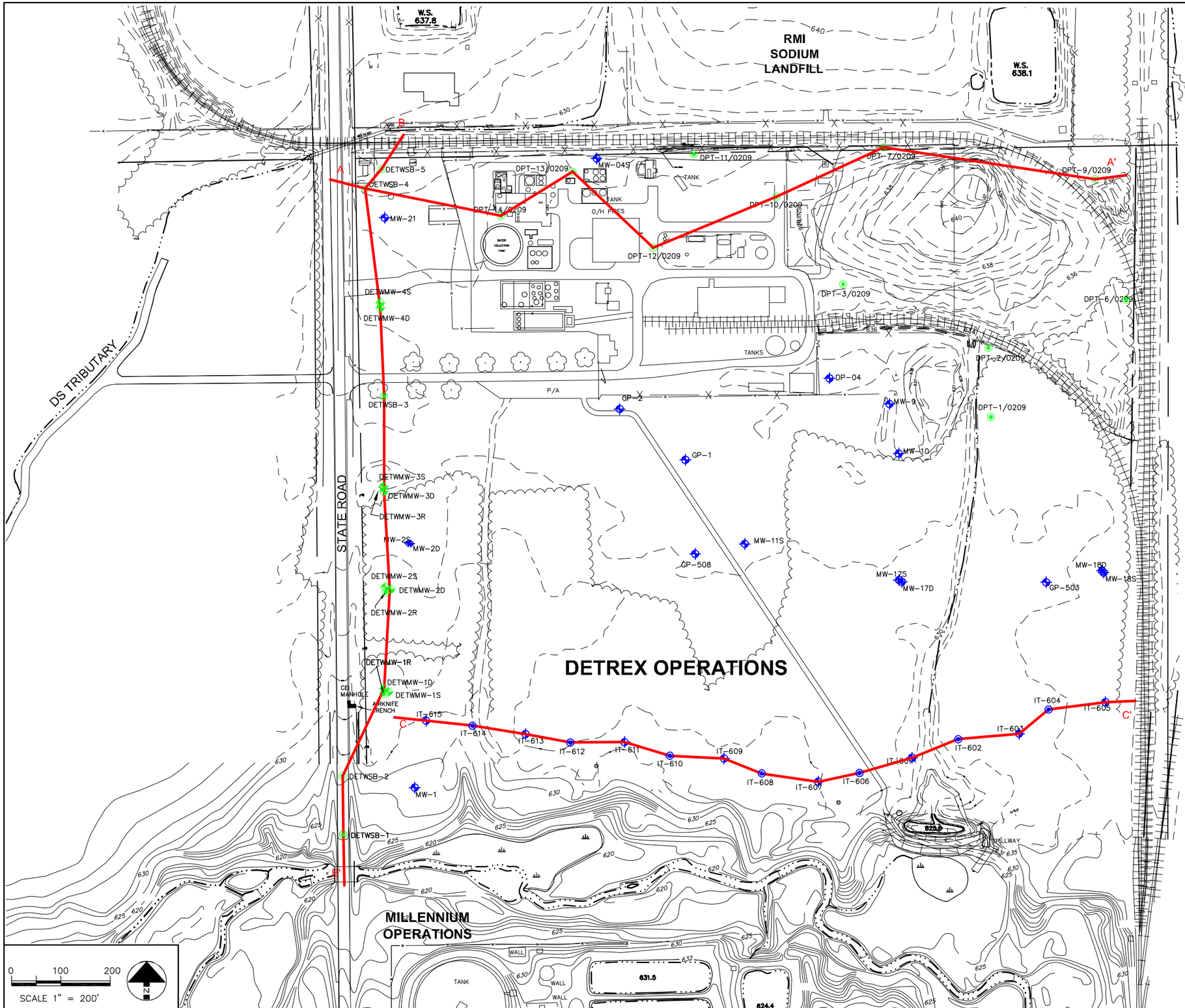
DETREX CORPORATION

ASHTABULA, OHIO

GENERAL SITE STRATIGRAPHY

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
AMH	MLS	13811443	4/16/10	11

K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-11-Stratigraphy-8.5x11.dwg User: katalin_vari May 04, 2010 - 4:11pm



LEGEND

- MONITORING WELL (2009)
- MONITORING WELL (1993-2008)
- SOIL BORING (2009)
- SOIL BORING (1993-2008)
- 640 EXISTING GROUND SURFACE CONTOUR (ft. MSL)
- A — A' CROSS SECTION LOCATION

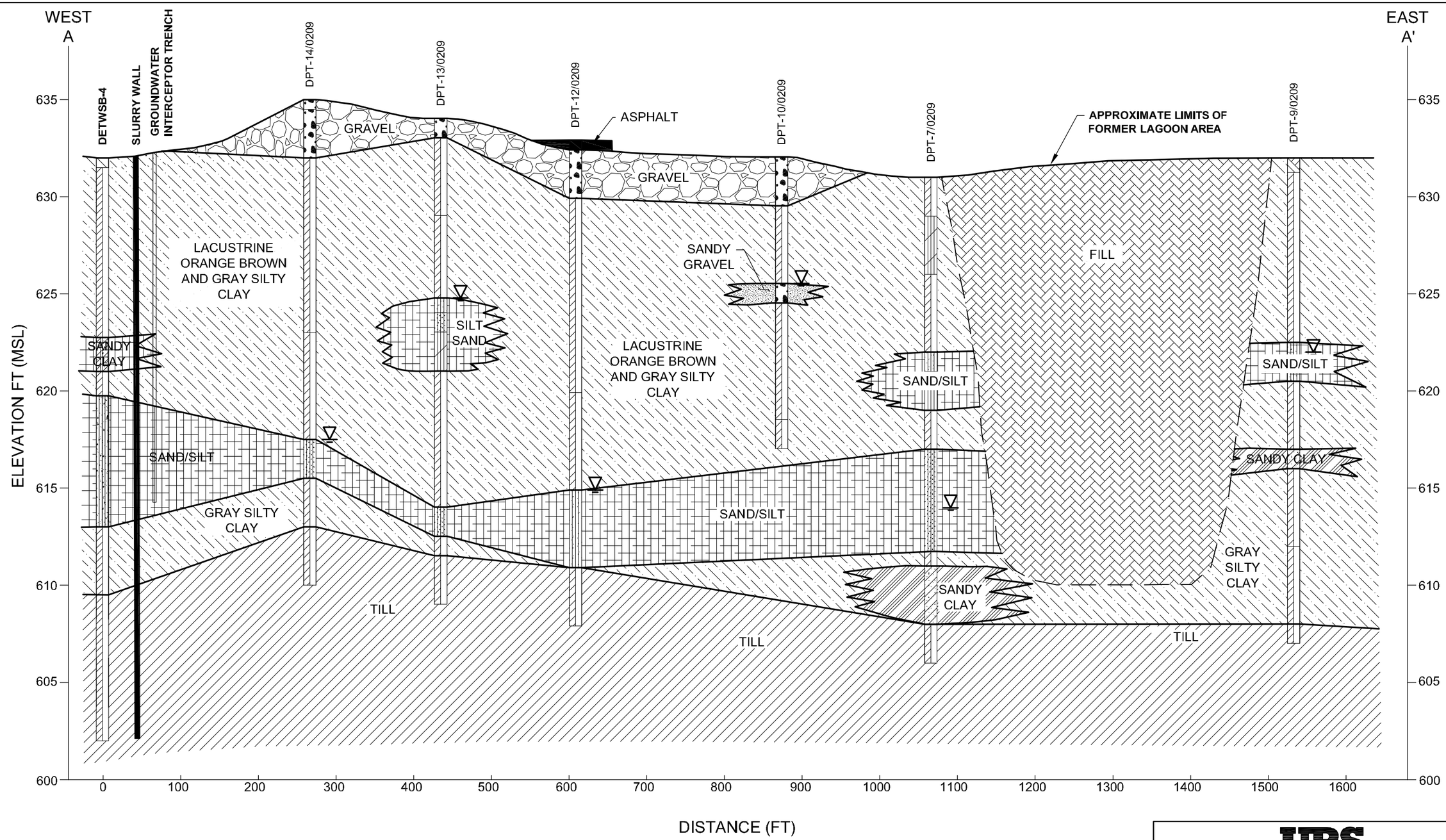
URS

DETREX CORPORATION
ASHTABULA, OHIO

GEOLOGIC CROSS SECTION LOCATIONS MAP

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	MLS	13811443	4/15/10	12

K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-12-XS Location.dwg User: katalin_vari May 04, 2010 - 4:14pm



LEGEND

- TILL
- LACUSTRINE SILTY CLAY
- GRAVEL
- SANDY GRAVEL
- SANDY CLAY
- SAND/SILT
- FILL
- WATER LEVEL ENCOUNTERED AT TIME OF DRILLING (ATD)

0 5

VERTICAL SCALE 1" = 5'
HORIZONTAL EXAGGERATION = 25X

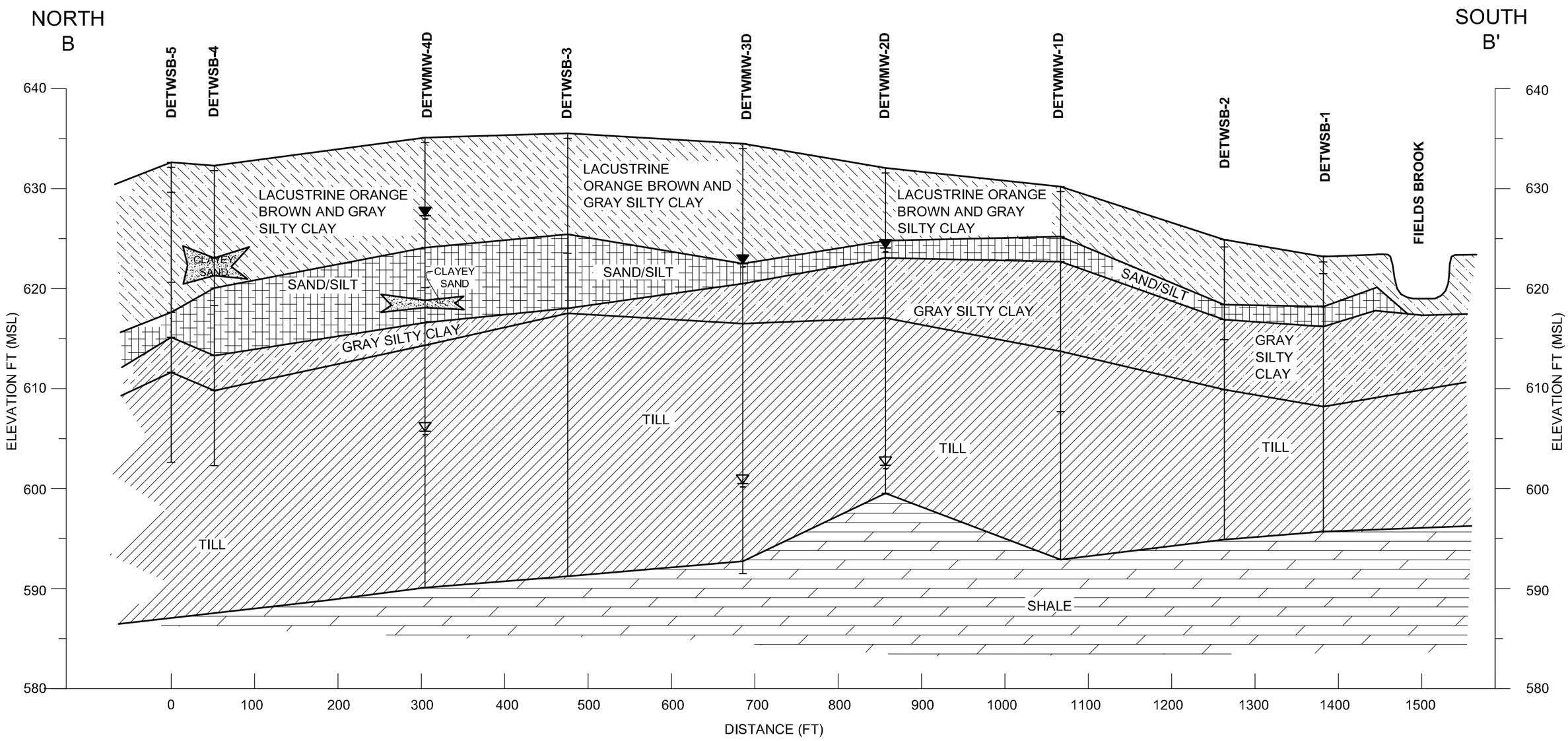
URS

DETREX CORPORATION
ASHTABULA, OHIO

GEOLOGIC CROSS SECTION A-A'

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	MLS	13811443	4/22/10	13

K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-13-XS-AA'.dwg User:katalin_vari May 04, 2010 - 4:14pm



LEGEND

STATIC WATER LEVEL

WATER LEVEL ENCOUNTERED AT TIME OF DRILLING (ATD)

LACUSTRINE SILTY CLAY

SHALE

TILL

SILTY CLAY

SANDY SILT

DETWMW-3D BORING DESIGNATION

APPROXIMATE GEOCONTACT

0 60 120

HORIZONTAL SCALE 1" = 120'
VERTICAL SCALE 1" = 10'

URS

DETREX CORPORATION
ASHTABULA, OHIO

GEOLOGIC CROSS SECTION B-B'

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	MLS	13811443	4/15/10	14

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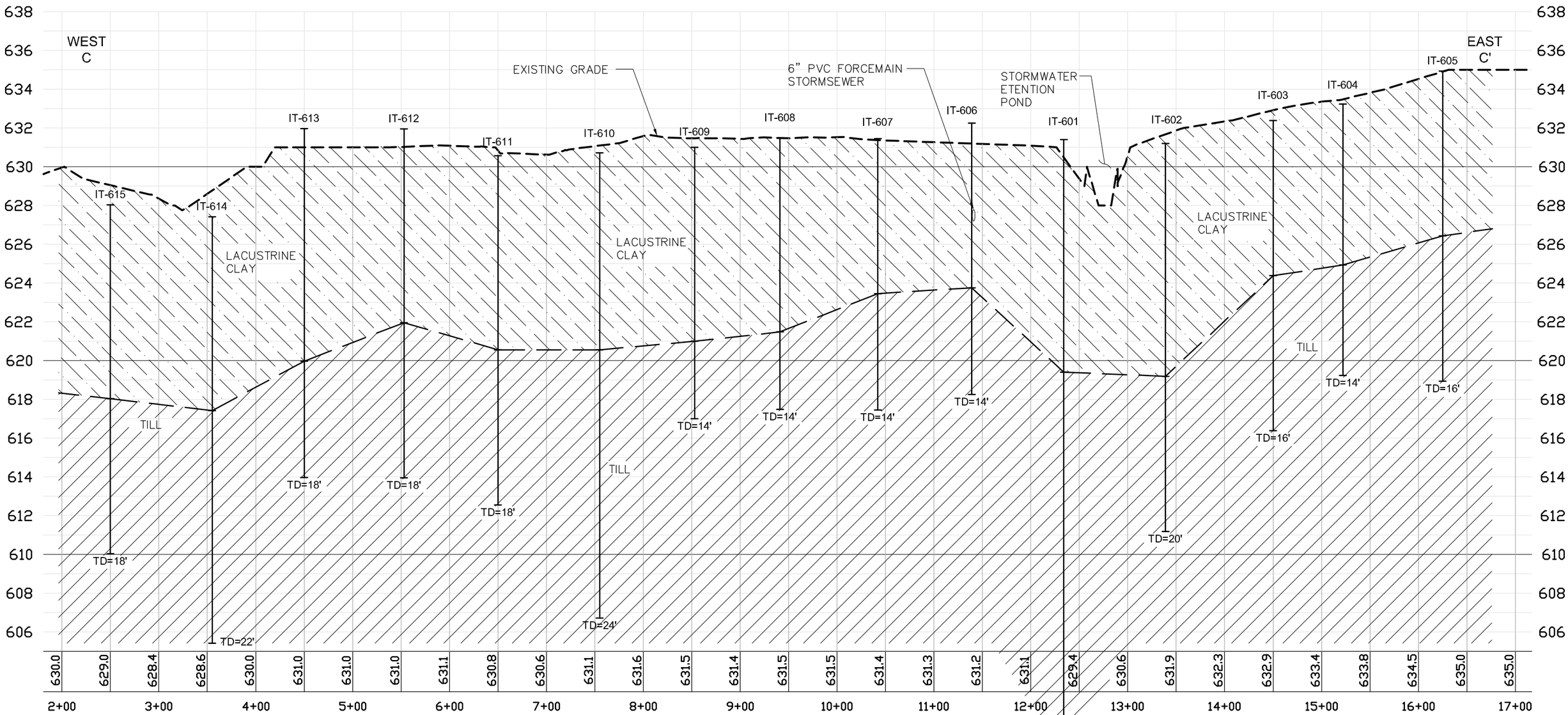
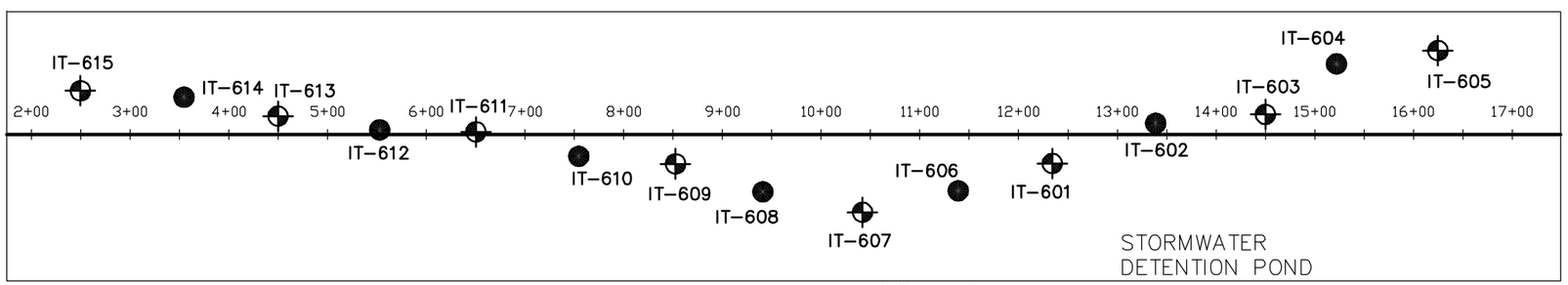


AUGUST–SEPTEMBER 2006 INVESTIGATION
GEOLOGIC CROSS SECTION



CROSS SECTION LOCATION MAP (1"=150')

LEGEND

- LACUSTRINE CLAY
- TILL
- TEMPORARY WELL (2-INCH)
- BORING

0 50 100
SCALE: 1"=100'
VERICAL EXAGERATION =20X

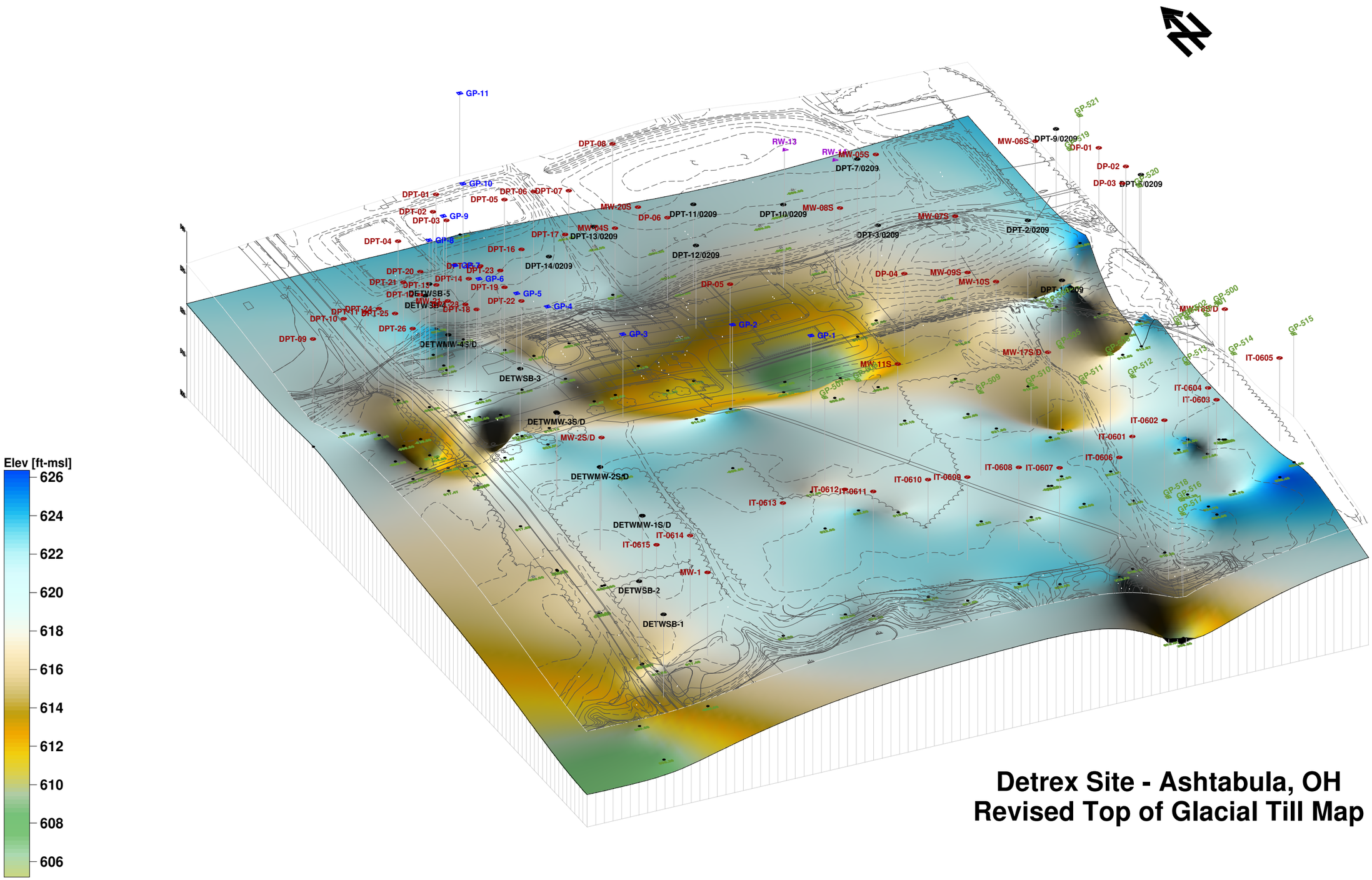
URS

DETREX CORPORATION
ASHTABULA, OHIO

GEOLOGIC CROSS SECTION C-C'

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE N
YRC	MLS	13811443	4/22/10	15

K:\Projects\D\Detrex\13811443\DWGs\Figures\Delineation 2009-2010\Fig-15-XS C-C'.dwg User:katalin_vari May 04, 2010 - 4:14pm



Detrex Site - Ashtabula, OH
Revised Top of Glacial Till Map

Figure 16

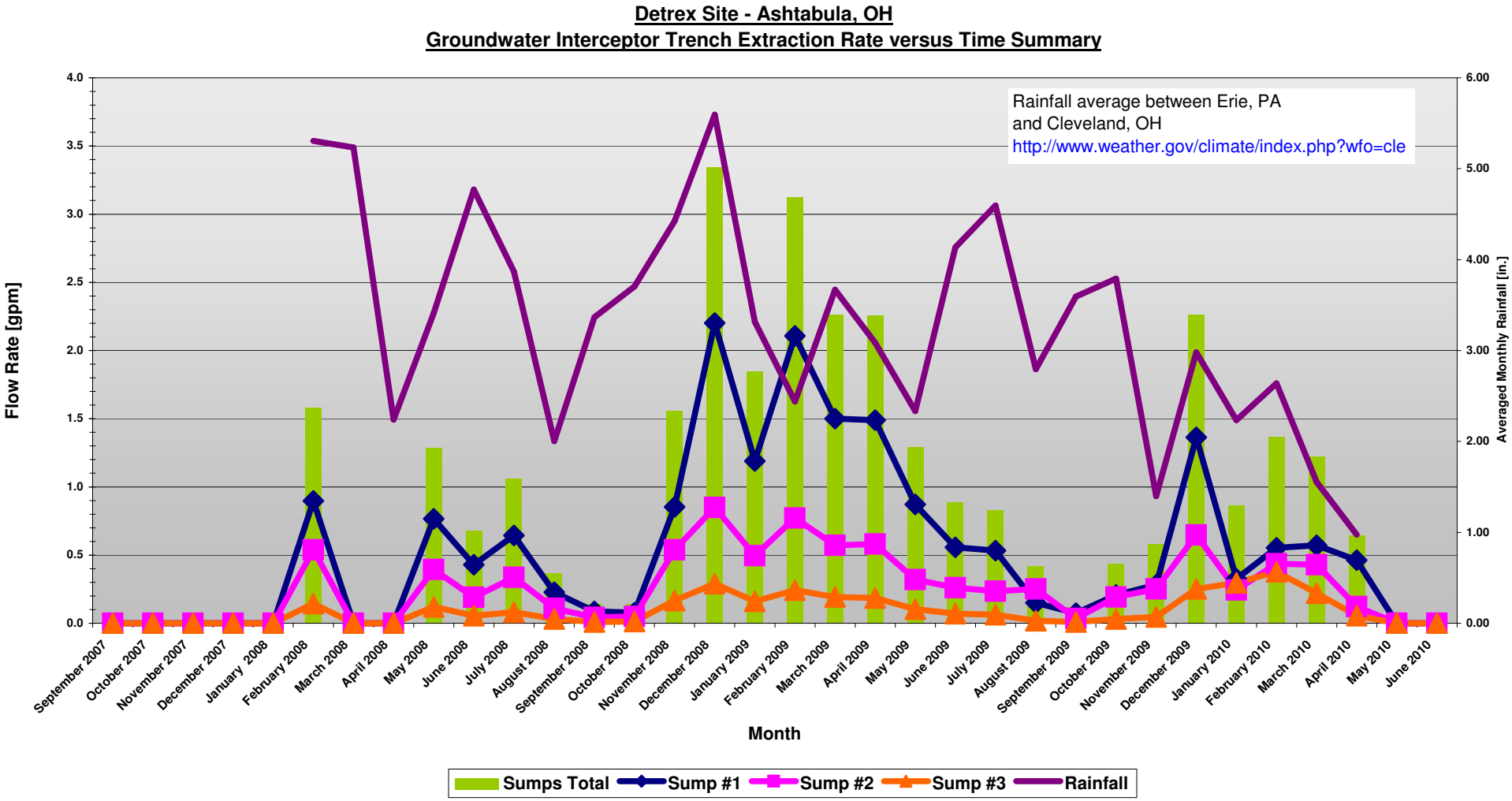

Detrex Site - Ashtabula, OH
Groundwater Interceptor Trench Extraction Rate versus Time Summary
Rainfall average between Erie, PA
and Cleveland, OH
http://www.weather.gov/climate/index.php?wfo=cle
Flow Rate [gpm]
Averaged Monthly Rainfall [in.]
Month
Sumps Total
Sump #1
Sump #2
Sump #3
Rainfall

Figure 17

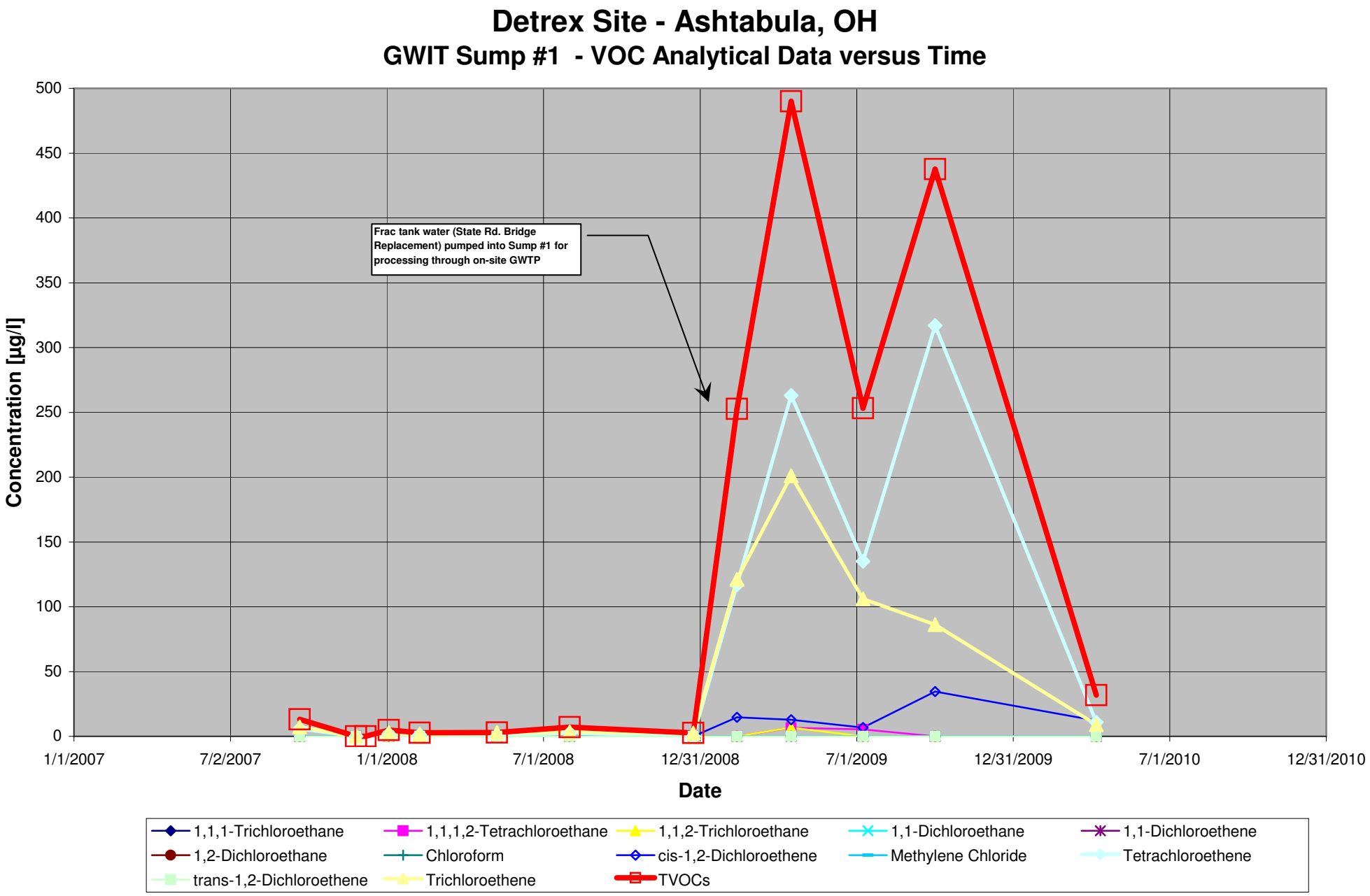

Detrex Site - Ashtabula, OH
GWIT Sump #1 - VOC Analytical Data versus Time
Concentration [µg/l]
500
450
400
350
300
250
200
150
100
50
0
1/1/2007
7/2/2007
1/1/2008
7/1/2008
12/31/2008
7/1/2009
12/31/2009
7/1/2010
12/31/2010
Date
Frac tank water (State Rd. Bridge Replacement) pumped into Sump #1 for processing through on-site GWTP
1,1,1-Trichloroethane
1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
Chloroform
cis-1,2-Dichloroethene
Methylene Chloride
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
TVOCs

Figure 18

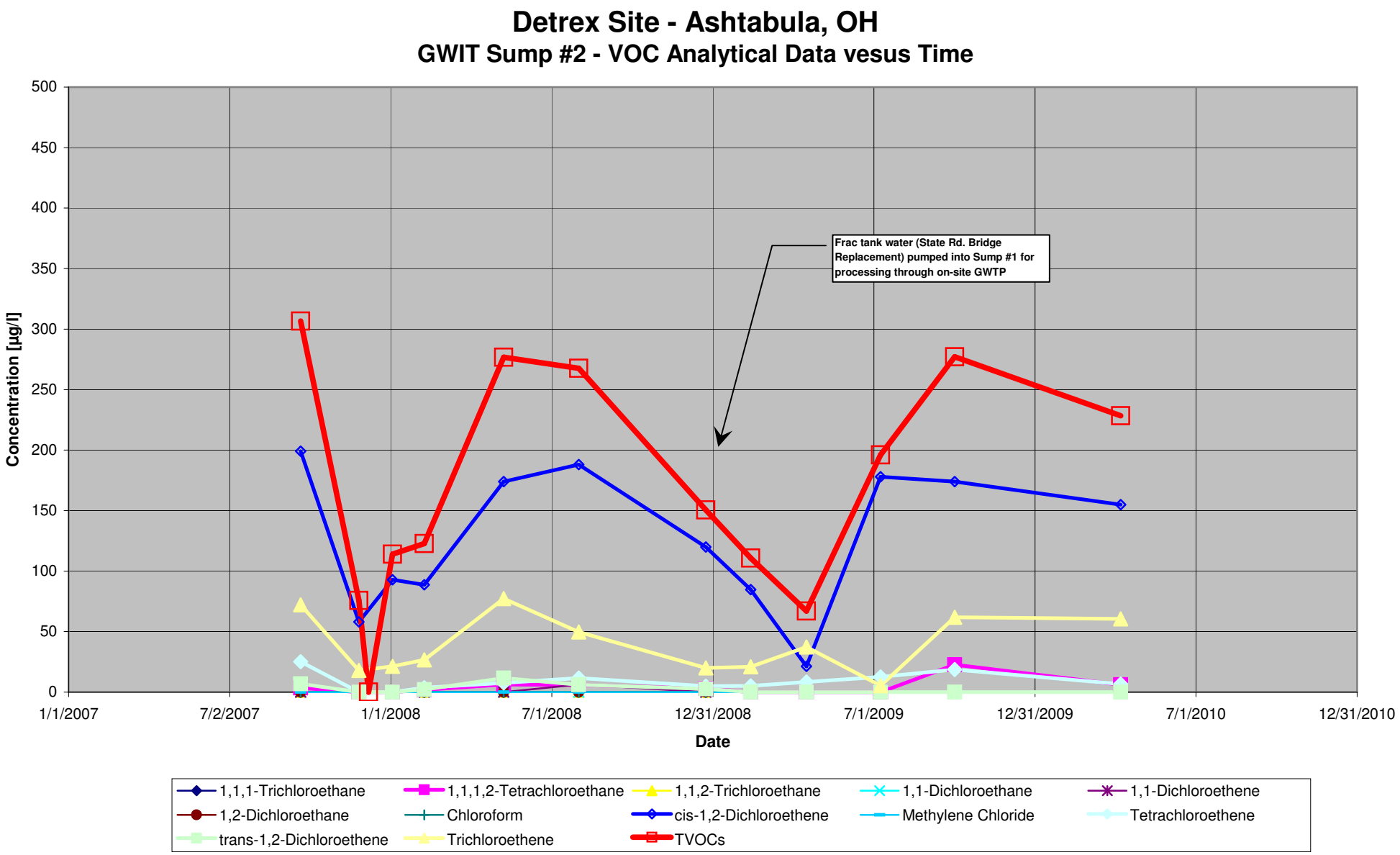

Detrex Site - Ashtabula, OH
GWIT Sump #2 - VOC Analytical Data vesus Time
Concentration [µg/l]
500
450
400
350
300
250
200
150
100
50
0
1/1/2007
7/2/2007
1/1/2008
7/1/2008
12/31/2008
7/1/2009
12/31/2009
7/1/2010
12/31/2010
Date
Frac tank water (State Rd. Bridge Replacement) pumped into Sump #1 for processing through on-site GWTP
1,1,1-Trichloroethane
1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
Chloroform
cis-1,2-Dichloroethene
Methylene Chloride
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
TVOCs

Figure 19

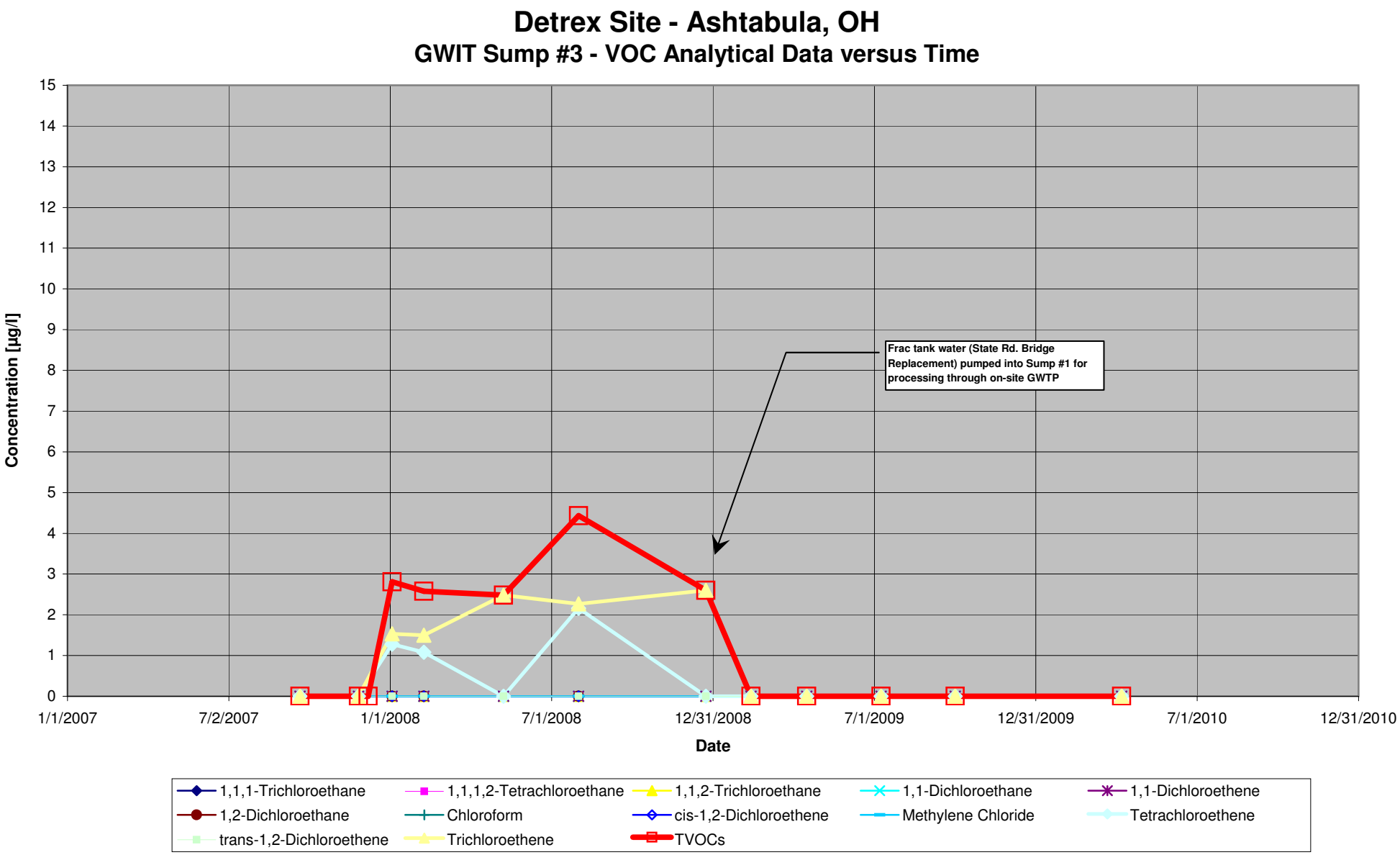

Detrex Site - Ashtabula, OH
GWIT Sump #3 - VOC Analytical Data versus Time
Concentration [µg/l]
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
1/1/2007
7/2/2007
1/1/2008
7/1/2008
12/31/2008
7/1/2009
12/31/2009
7/1/2010
12/31/2010
Date
Frac tank water (State Rd. Bridge Replacement) pumped into Sump #1 for processing through on-site GWTP
1,1,1-Trichloroethane
1,1,1,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
Chloroform
cis-1,2-Dichloroethene
Methylene Chloride
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
TVOCs

Figure 20

APPENDICES

APPENDIX A
PHOTOGRAPHIC LOGS

URS

PHOTOGRAPHIC LOG

Client Name: Detrex Corporation	Site Location: 1100 State Road, Ashtabula, Ohio	Project No. 13811443.09402

Photo No. 1 | **Date:** 11/2/09

Description:

Before Excavation:
DS tributary – View looking upstream at the concrete culvert, facing east towards State Road

Photo No. 2 | **Date:** 11/2/09

Description:

Before Excavation:
DS tributary – View looking upstream, facing east towards State Road

URS

PHOTOGRAPHIC LOG

Client Name: Detrex Corporation	Site Location: 1100 State Road, Ashtabula, Ohio	Project No. 13811443.09402

Photo No. 3 | **Date:** 11/9/09

Description:

During Excavation:
DS Tributary – View as Sunpro measures the dimensions of the sediment excavation between the eastern collection trench and the concrete bottom of the culvert.

Photo No. 4 | **Date:** 11/9/09

Description:

During Excavation:
DS Tributary – View of Sunpro placing the HDPE liner on the tributary bottom after excavating the sediment between the culvert and the eastern collection trench.

URS

PHOTOGRAPHIC LOG

Client Name: Detrex Corporation	Site Location: 1100 State Road, Ashtabula, Ohio	Project No. 13811443.09402

Photo No. 5 | **Date:** 11/9/09

Description:

Post Excavation:
DS Tributary - View looking downstream to the west. PVC sump in test trench two was installed as it was converted to the western collection trench. An additional sediment excavation is shown from the extent of the collection trench to approximately forty (40) feet downstream of the collection trench.

Photo No. 6 | **Date:** 11/10/09

Description:

Post Excavation:
DS Tributary - View looking upstream to the east. PVC sumps were installed in the south end of each collection trench. Rip-Rap material was used to armor the cut bank of the DS Tributary.

URS

PHOTOGRAPHIC LOG

Client Name: Detrex Corporation	Site Location: 1100 State Road, Ashtabula, Ohio	Project No. 13811443.09402

Photo No. 1 | **Date:** 11/12/09

Description:

Workers taking sediment samples in the DS Tributary with a slide hammer / direct push sampler through a PVC dam.

Photo No. 2 | **Date:** 11/12/09

Description:

A 6-inch PVC tube was used to divert water around the sediment sample and then dewatered using a kayak pump prior to taking a sample.

URS

PHOTOGRAPHIC LOG

Client Name: Detrex Corporation	Site Location: 1100 State Road, Ashtabula, Ohio	Project No. 13811443.09402

Photo No.	Date:
3	11/12/09

Description:

Sample DS-30, the opened acetate liner illustrates the sediments and soil recovered from the sample location to submit for laboratory analysis.

URS

PHOTOGRAPHIC LOG

Client Name: Detrex Corporation	Site Location: 1100 State Road, Ashtabula, Ohio	Project No. 13811443.09402

Photo No. 1	Date: 11/23/09

Description:

Stock Drilling utilizing a VacMaster 4000 air knife to expose a utility trench along State Road and sample the soil beneath the trench.

Photo No. 2	Date: 11/23/09

Description:

The electric and water lines encased in concrete (bottom) and the storm sewer line (top).
A hand auger was used to collect samples directly below the electric, water, and sewer lines.

URS	PHOTOGRAPHIC LOG	
Client Name: Detrex Corporation	**Site Location:** 1100 State Road, Ashtabula, Ohio	**Project No.** 13811443.09402

Photo No. 3	**Date:** 11/23/09

Description:

The air knife trench opened to one (1) foot by seven (7) feet and a terminal depth of five (5) feet below surface prior to backfilling with the excavated soils.

APPENDIX B
BORING LOGS

Project: Detrex Delineation
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.09402

Key to Log of Boring

Elevation, feet	Depth, feet	SAMPLES: Type	SAMPLES: Number	SAMPLES: Headspace, ppm	SAMPLES: Recovery, inches	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
1	2	3	4	5	6	7	8	9	10

COLUMN DESCRIPTIONS

1. **Elevation:** Elevation in feet referenced to mean sea level (MSL) or site datum.
2. **Depth:** Depth in feet below the ground surface.
3. **Sample Type:** Type of soil sample collected at depth interval shown; sampler symbols are explained below.
4. **Sample Number:** Sample identification number.
5. **Headspace, ppm** MiniRae 11.7eV Photo-Ionization Detector (PID) reading in headspace of sealable plastic bag after several minutes of vapor accumulation.
6. **Recovery:** Amount of material recovered in sampler, expressed as percentage of sampled interval; NA indicates data not available.
8. **Graphic Log:** Graphic depiction of subsurface material encountered; typical symbols are explained below.
9. **Material Description:** Description of material encountered; may include color, moisture, grain size, and density/consistency.
10. **Well Details:** Schematic of piezometer or well installation; materials are listed alongside well schematic; graphic symbols are explained below.
11. **Field Notes and Well Details:** Comments regarding drilling or sampling made by driller or field personnel. Details about well construction materials and depths placed.

TYPICAL SOIL GRAPHIC SYMBOLS

ASPHALT
GRASS / TOPSOIL
GRAVEL
SAND
Silty SAND
Sandy CLAY
Sandy SILT
SILT
Clayey SILT
Sandy CLAY
Silty CLAY
Lean CLAY

TYPICAL WELL GRAPHIC SYMBOLS

Riser in filter sand
0.010-inch slotted screen in filter sand

TYPICAL SAMPLER GRAPHIC SYMBOLS

Hand Auger
Geoprobe Macrocore Sampler
Sample submitted for laboratory analysis

OTHER GRAPHIC SYMBOLS

First water encountered at time of drilling and sampling (ATD)
Static water level measured using electronic water level indicator
Minor change in material properties within a lithologic stratum

GENERAL NOTES

1. Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive; actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2. Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

URS

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DETWMW-1R** Sheet 1 of 1

Date(s) Drilled	11/23/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	15.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 6.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0						GRASS / TOPSOIL	
							Soft, moist, brown, clayey SILT (ML) with sand and gravel	
			DP-1	60	N/A		Medium stiff, moist, orange brown and gray mottled, silty CLAY (CL-ML) with sand, trace gravel	
							with trace shale fragments, silt content increases	
	5							
							Medium dense, wet, brown, sandy SILT (ML)	
							becomes moist	
			DP-2	60	N/A		Medium stiff, moist, grayish brown, varved silty CLAY (CL-ML) trace black shale fragments, with sand and silt stringers	
	10						Medium stiff, moist, brownish gray, lean CLAY (CL) trace gray shale fragments and brown mottling	
					N/A			
			DP-3	60	0.0			Re-Sample from 12.0 to 14.0 feet bgs submitted for laboratory analysis.
					N/A		Stiff, moist, gray, silty CLAY (CL-ML) with shale fragments and fine sand [TILL]	
	15						End of Boring at 15' bgs	
	20							

URS

Report: GEOPROBE_5FT_LINER_SB; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DETWMW-1R

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DETWMW-2R** Sheet 1 of 1

Date(s) Drilled	11/23/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	15.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 7.5' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0						GRASS / TOPSOIL	
							Soft, moist, orange brown and gray mottled, sandy silty CLAY (CL-ML) with trace gravel and organics	
							becomes medium stiff	
			DP-1	50	N/A			
	5						becomes brown and gray mottled, without sand and with coarse gravel	
			DP-2	60	N/A		Medium dense, wet, brown, sandy SILT (ML)	
							becomes gray	
	10						Medium stiff, moist, gray, silty CLAY (CL-ML) trace fine sand, trace fine gray shale fragments	
					N/A			
			DP-3	60	0.0			Re-Sample from 12.0 to 14.0 feet bgs submitted for laboratory analysis.
					N/A		Stiff, moist, gray, silty CLAY (CL-ML) with black shale fragments and fine sand [TILL]	
	15						End of Boring at 15' bgs	
	20							

URS

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DETWMW-3R** Sheet 1 of 1

Date(s) Drilled	11/23/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	19.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 12.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0						GRASS / TOPSOIL	
							Soft, moist, dark brown, sandy CLAY (CL) with gravel	
							Soft, moist, orange brown and gray, lean CLAY (CL) trace organics	
							becomes medium stiff	
			DP-1	58	N/A			
	5						Medium stiff, moist, brown, silty CLAY (CL-ML)	
							becomes brown and gray mottled	
			DP-2	60	N/A			
	10						Medium stiff, moist, gray, lean CLAY (CL) trace fine sand and fine rock fragments	
					N/A			
							Medium dense, wet, brown, sandy SILT (ML)	
			DP-3	60	0.0		becomes gray	
					N/A		Stiff, moist, gray, lean CLAY (CL) with silt varves, trace fine sand, trace fine gray shale fragments	
	15							
					N/A			
			DP-4	48	0.0			Re-Sample from 16.0 to 18.0 feet bgs submitted for laboratory analysis.
					N/A			
							End of Boring at 19' bgs	
	20							

URS

Report: GEOPROBE_5FT_LINER_SB; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DETWMW-3R

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-1/0209** Sheet 1 of 1

Date(s) Drilled	11/20/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	20.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 7.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0						Medium stiff, moist, brown, silty CLAY (CL-ML) with dark brown organics and roots	
					0.0		Medium stiff, moist, orange brown and gray mottled, silty CLAY (CL-ML)	
			DP-1	60	0.0		silt content increases, moisture and organic content decreases	
					0.0		becomes stiff, silt content increases	
	5				5.2			Sample from 5.0 to 6.0 feet bgs submitted for laboratory analysis.
			DP-2	60	4.4		Medium dense, wet, orange brown, sandy SILT (ML)	
							becomes moist, with stiff, brown, clay	Sample from 8.0 to 10.0 feet bgs submitted for laboratory analysis.
					4.4		Medium stiff, moist, gray, lean CLAY (CL) with silt, trace black shale fragments and sand	
	10							
					0.2		shale fragments and sand content decreases	
			DP-3	60	0.8		Medium dense, wet, gray, silty SAND (SM) with clay	
					0.7		silt content increases, with stiff, varved, silty clay and fine silty sand	
	15				0.8			
			DP-4	54	1.1		Stiff, moist, gray, silty CLAY (CL-ML) with black shale fragments [TILL]	
					2.1			
	20						End of Boring at 20' bgs	
	25							

Report: GEOPROBE_5FT_LINER_SB; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DPT-1/0209

URS

Project: Detrex Delineation **Project Location: 1100 State Road, Ashtabula, OH** **Project Number: 13811443.09402**	**Log of Boring DPT-2/0209** Sheet 1 of 1

Date(s) Drilled	**11/20/09**	Logged By	**A. Heitger**	Checked By	**M. Koss**
Drilling Method	**Direct Push**	Drill Bit Size/Type	**2.25" OD Macrocore Sampler**	Total Depth of Borehole	**25.0 feet**
Drill Rig Type	**Geoprobe 7720 DT**	Drilling Contractor	**Stock Drilling**	Surface Elevation	
Groundwater Level and Date Measured	**Approximately 10.0' bgs ATD**	Sampler Types	**5' Macrocore Sampler**	Boring Completion	**Bentonite chips and cuttings**
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0						Medium stiff, moist, light brown, silty CLAY (CL-ML)	
					59.3		Medium stiff, moist, light orange brown and gray mottled, silty CLAY (CL-ML) with slight chemical odor	
			DP-1	56	647		silt content increasing with depth	
					3771		moisture and sand content increased, silt content decreased	
	5				7748		strong chemical odor	Sample from 5.0 to 6.0 feet bgs submitted for laboratory analysis.
			DP-2	60	4587		becomes stiff, brown, mottling decreases	
					4982		Medium stiff, gray, moist, silty CLAY (CL-ML) trace sand and gray shale fragments with sand seams	
	10				6408		Dense, wet, gray, silty SAND (SM) with DNAPL	Sample from 10.0 to 12.0 feet bgs submitted for laboratory analysis.
			DP-3	60	3313		becomes medium dense, silt content decreases alternating silty sand and varved silty clay	
					210		Medium stiff, moist, gray, fine sandy CLAY (CL)	
	15				318		Medium dense, wet, gray, silty SAND (SM)	
			DP-4	48	148		becomes moist	
					23.0		alternating silty sand and varved silty clay	
	20				188		Stiff, moist, gray, silty CLAY (CL-ML) with shale fragments, trace coarse sand	
			DP-5	40	39.9			
					21.1		with large shale fragments	
	25						End of Boring at 25' bgs	

URS

Report: GEOPROBE_5FT_LINER_SB; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DPT-2/0209

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-3/0209** Sheet 1 of 1

Date(s) Drilled	11/19/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	15.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 5.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Top of Casing Elevation	
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well details	FIELD NOTES AND WELL DETAILS
	0						GRASS / TOPSOIL		
			DP-1	55	127		Medium stiff, moist, brown and gray, silty CLAY (CL-ML) with fine gravel		1-inch SCH 40 PVC riser
					2756		becomes gray with trace rock fragments		
	5				2258		Loose, wet, dark brown and black, clayey SAND (SC) with white PVC fragments and DNAPL		No samples submitted due to presence of DNAPL
			DP-2	58	3556		Medium dense, moist, gray, SILT (ML) with organics and white PVC fragments, trace DNAPL		
							Loose, wet, dark brown and black, clayey silty SAND (SM) with white PVC fragments and DNAPL		
					2339		Medium dense, moist, gray, SILT (ML), with organics and white PVC fragments, trace DNAPL		
					2585		Loose, wet, black, coarse SAND (SP) with silt and DNAPL		#5 Filter sand
	10				2431				1-inch SCH 40 PVC 0.010-slotted screen
			DP-3	60	2913		Medium stiff to soft, moist, gray, silty CLAY (CL-ML) with rock fragments, trace fine sand		
					1206				
	15						End of Boring at 15' bgs		
	20								

URS

Report: GEOPROBE_5FT_LINER_WELL; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DPT-3/0209

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-6/0209** Sheet 1 of 1

Date(s) Drilled	11/23/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	25.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 11.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0						REEDS / TOPSOIL	
			DP-1	56	0.0		Medium stiff, moist, orange brown and gray mottled, sandy silty CLAY (CL-ML)	
					0.3		← Medium dense, moist, brown, sandy clayey SILT (ML) ~4" layer	
	5				1.9		Medium dense, moist, brown and gray, sandy clayey SILT (ML)	
			DP-2	60	2.0			
					2.6		Medium stiff, moist, gray, silty CLAY (CL-ML) with fine sand, trace fine gravel	
	10				3.8		with seams of wet, silt and fine sand ▽	
			DP-3	52	4.5		Medium dense, moist, gray, clayey sandy SILT (ML) trace fine gravel	Sample from 12.0 to 14.0 feet bgs submitted for laboratory analysis.
					4.9		Medium stiff, moist, gray, silty CLAY (CL-ML) with fine sand, trace fine gravel ← Loose, wet, gray, coarse SAND (SW) with fine gravel ~1/4" seam	Sample from 14.0 to 15.0 feet bgs submitted for laboratory analysis.
	15		DP-4	0	N/A			
	20				21			
			DP-5	60	3.6		Stiff, moist, gray, silty CLAY (CL-ML) with fine gravel and shale fragments, trace sand [TILL]	
					4.1			
	25						End of Boring at 25' bgs	

URS

Report: GEOPROBE_5FT_LINER_SB; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DPT-6/0209

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-7/0209** Sheet 1 of 1

Date(s) Drilled	11/20/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	25.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 17.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Top of Casing Elevation	
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well details	FIELD NOTES AND WELL DETAILS
	0		DP-1	60	3994		Medium stiff, moist, light brown, orange brown and gray mottled, silty CLAY (CL-ML)		
					2295		Stiff, moist, brown and gray, clayey SILT (ML) moisture increases, with coarse rounded gravel		
					1622				
	5		DP-2	60	1039		Medium stiff, moist, light brown and gray mottled, silty CLAY (CL-ML) with sand, trace DNAPL		No samples submitted due to presence of DNAPL
					1417		silt content increases, with strong chemical odor		
					1472		sand and DNAPL content increases Medium dense, moist, brown, sandy SILT (ML) with staining and DNAPL, trace gravel		1-inch SCH 40 PVC riser
	10		DP-3	60	1773		Medium dense, moist, gray, SILT (ML) trace fine sand and DNAPL		
					1908		Medium stiff, moist, gray, sandy silty CLAY (CL-ML) Alternating layers of silt and clay		#5 Filter sand
					1329		Medium dense, moist, gray, silty SAND (SM) trace brown coloration		
	15		DP-4	55	1208		with sheen on surface of soil, trace DNAPL in soil		
					771		becomes wet, with DNAPL		
					261				
							Stiff, moist, gray, silty CLAY (CL-ML) with chemical odor and sheen		
	20		DP-5	45	N/A		Medium stiff, moist, gray, varved silty sandy CLAY (CL-ML) becomes wet		1-inch SCH 40 PVC 0.010-slotted screen
							Stiff, moist, gray, silty CLAY (CL-ML) with sand and chemical odor, trace brown coloration [TILL]		
	25						End of Boring at 25' bgs		

URS

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-9/0209** Sheet 1 of 1

Date(s) Drilled	11/24/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	25.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 10.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Top of Casing Elevation	
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well details	FIELD NOTES AND WELL DETAILS
	0						REEDS / TOPSOIL		
			DP-1	52	8.9		Soft, moist, orange brown and gray, sandy silty CLAY (CL-ML) with dark brown mottling becomes medium stiff		
					44.6				1-inch SCH 40 PVC riser
	5				568				
			DP-2	58	4101		silt content increases becomes soft, with slight chemical odor Medium dense, moist, brown, sandy clayey SILT (ML) ~3" layer		
					5997				Sample from 8.0 to 10.0 feet bgs submitted for laboratory analysis.
	10				843		Medium dense, moist, brown and gray, sandy SILT (ML) becomes wet, and with chemical odor	▽	
			DP-3	60	18.4		Medium stiff, moist, brown and gray, silty CLAY (CL-ML) with fine gravel and rock fragments, trace sand becomes gray with fine sand and silt varving		#5 Filter sand
	15				86.1		Very soft, wet, gray, silty sandy CLAY (CL-ML)		
			DP-4	60	12.1		Medium stiff, moist, brown and gray, silty CLAY (CL-ML) with fine gravel and rock fragments, trace sand		1-inch SCH 40 PVC 0.010-slotted screen
					4.1		with dry sand and moist silt varving		
	20				12.1		Very soft, moist, brownish gray, silty CLAY (CL-ML)		
			DP-5	46	5.9		becomes medium stiff		Sample from 22.0 to 24.0 feet bgs submitted for laboratory analysis.
					8.9		Stiff, moist, gray, silty CLAY (CL-ML) with fine shale fragments and gravel, trace sand [TILL]		
	25						End of Boring at 25' bgs		

URS

Project: Detrex Delineation **Project Location: 1100 State Road, Ashtabula, OH** **Project Number: 13811443.09402**	**Log of Boring DPT-10/0209** Sheet 1 of 1

Date(s) Drilled	11/24/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	15.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 6.5' bgs ATD	Sampler Types	5' Macrocore Sampler	Top of Casing Elevation	
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well details	FIELD NOTES AND WELL DETAILS
	0		HA-1	12	4137		Loose, moist, brown, fine rounded sandy GRAVEL (GW)		
			HA-2	12	>9999				
			HA-3	12	3399		Soft, moist, dark brown and gray, silty CLAY (CL-ML) with sand and organics		1-inch SCH 40 PVC riser
			HA-4	12	2206				
			HA-5	12	1402		becomes medium stiff, brown and gray mottled		
	5		HA-6	12	1529		with rock fragments		No samples submitted due to presence of DNAPL
			DP-1	42	9551		Loose, wet, brown and gray, sandy GRAVEL (GW) with rock fragments, heavy sheen and chemical odor		
					6972		Medium stiff, moist, orange brown and gray mottled, silty CLAY (CL-ML) with rock fragments		#5 Filter sand
	10		DP-2	60	N/A		with trace DNAPL		
							DNAPL globules		1-inch SCH 40 PVC 0.010-slotted screen
							DNAPL globules		
							Medium stiff, moist, gray, varved silty CLAY (CL-ML) with fine rock fragments and gravel		
	15						End of Boring at 15' bgs		
	20								

URS

Report: GEOPROBE_5FT_LINER_WELL; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DPT-10/0209

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-11/0209** Sheet 1 of 1

Date(s) Drilled	11/24/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	25.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 7.5' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0	X	HA-1	12	N/A		GRASS / TOPSOIL Medium stiff, moist, orange brown and gray, silty CLAY (CL-ML)	
		X	HA-2	12	N/A			
		X	HA-3	12	N/A			
		X	HA-4	12	N/A			Samples from 0.0 to 5.0 feet bgs saturated with surface water unable to screen headspace
		X	HA-5	12	N/A			
	5	X	HA-6	12	611		Loose, wet, brown, clayey sandy GRAVEL (GW)	
			DP-1	48	1802		Medium stiff, moist, brown and gray, silty CLAY (CL-ML) trace sand ← Medium dense, wet, brown, sandy SILT (ML) ~4" layer	
					4725			
	10		DP-2	60	4783		← becomes brown, silt content increases	Sample from 10.0 to 12.0 feet bgs submitted for laboratory analysis.
					4776			Duplicate Sample submitted from 10.0 to 12.0 feet bgs for laboratory analysis.
					1252		Medium stiff, moist, gray, silty CLAY (CL-ML) trace fine sand and gravel	
	15		DP-3	60	296		Medium dense, wet, gray, sandy SILT (ML)	
					7.0			
					2.1			
	20		DP-4	40	28.6		Medium dense, moist, gray, sandy clayey SILT (ML) Medium stiff, moist, gray, sandy silty CLAY (CL-ML)	Sample from 20.0 to 22.0 feet bgs submitted for laboratory analysis.
					13.0		Stiff, moist, gray, silty CLAY (CL-ML) with fine shale fragments and gravel, trace sand [TILL]	
					6.7			
	25						End of Boring at 25' bgs	

URS

Report: GEOPROBE_5FT_LINER_SB; File: DETREX DELINEATION_DPT1-DPT14.GPJ; 1/13/2010 DPT-11/0209

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-12/0209** Sheet 1 of 1

Date(s) Drilled	12/10/09 and 12/11/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	25.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 18.0' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0						ASPHALT	
			HA-1	0	N/A		Loose to medium dense, wet, gray, silty GRAVEL (GW) with sand	
			HA-4	12	1530		Medium stiff, moist, grayish brown, silty CLAY (CL-ML) trace gravel	
			HA-5	12	1246		← becomes brown	
	5		HA-6	12	1026			
			DP-1	48	1515		← silt content increases	
					>9999			Sample from 8.0 to 10.0 feet bgs submitted for laboratory analysis.
	10		DP-2	46	3039			
					780		Medium stiff, moist, gray, silty CLAY (CL-ML) with rock fragments, trace fine sand	
	15				452			
			DP-3	50	1495			Sample from 16.0 to 18.0 feet bgs submitted for laboratory analysis.
					>9999		Medium dense, wet, gray, sandy SILT (ML) with chemical odor and sheen	
	20						← dark brown to black DNAPL ~3" layer	
			DP-4	60	N/A		Stiff, moist, gray, silty CLAY (CL-ML) with fine shale fragments and gravel, trace sand [TILL]	
	25						End of Boring at 25' bgs	

URS

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-13/0209** Sheet 1 of 1

Date(s) Drilled	11/24/09 and 12/11/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	25.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 9.25' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0	X	HA-1	12	1.4		Loose, moist, dark brown, angular sandy GRAVEL (GW) trace clay	
		X	HA-2	12	0.0		Soft, moist, dark brown and gray, silty CLAY (CL-ML) with sand and gravel	
		X	HA-3	12	0.0		without sand or gravel	
		X	HA-4	12	0.0		becomes medium stiff, trace rock fragments	
		X	HA-5	12	0.0			
	5		DP-1	60	7.6		Medium stiff, moist, orange brown and gray mottled, silty CLAY (CL-ML)	
					15.8		silt content increases	
					497		Medium dense, wet, brown, sandy SILT (ML)	
	10						Medium dense, wet, brownish gray, silty SAND (SM)	
			DP-2	56	4998		Medium dense, moist, brown, sandy clayey SILT (ML)	
					>9999		Medium stiff, moist, brown and gray, silty CLAY (CL-ML)	Sample from 13.0 to 15.0 feet bgs submitted for laboratory analysis.
	15		DP-3	60	3756			
					4830		with sand and silt layering	
	20				278		Loose, wet, gray, silty SAND (SM)	
			DP-4	60	271		Medium stiff, moist, gray, varved silty CLAY (CL-ML)	Sample from 21.0 to 23.0 feet bgs submitted for laboratory analysis.
					7.9		Stiff, moist, gray, silty CLAY (CL-ML) with fine shale fragments and gravel, trace sand [TILL]	
	25						End of Boring at 25' bgs	

URS

Project: Detrex Delineation **Project Location:** 1100 State Road, Ashtabula, OH **Project Number:** 13811443.09402	**Log of Boring DPT-14/0209** Sheet 1 of 1

Date(s) Drilled	11/24/09 and 12/10/09	Logged By	A. Heitger	Checked By	M. Koss
Drilling Method	Direct Push	Drill Bit Size/Type	2.25" OD Macrocore Sampler	Total Depth of Borehole	25.0 feet
Drill Rig Type	Geoprobe 7720 DT	Drilling Contractor	Stock Drilling	Surface Elevation	
Groundwater Level and Date Measured	Approximately 17.5' bgs ATD	Sampler Types	5' Macrocore Sampler	Boring Completion	Bentonite chips and cuttings
Coordinate Location		Boring Location			

Elevation, feet	Depth, feet	SAMPLES Type	Number	Recovery, inches	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0		HA-1	12	78.0		GRAVEL	
							Loose, moist, brown, fine sandy GRAVEL (GW)	
			HA-2	12	80.3		with silt	
							becomes fine to coarse, with clay	
			HA-3	12	50.3			
			HA-4	12	24.1		Medium stiff, moist, brown and gray mottled, silty CLAY, with organics	
			HA-5	12	187			
	5						trace gray mottling	
					459		moisture and silt content increases	
			DP-1	60	4496		moisture content decreases	
								Sample from 9.0 to 11.0 feet bgs submitted for laboratory analysis.
	10				4966			
							with rock fragments	
					4903		Medium stiff, moist, gray, silty CLAY (CL-ML) with rock fragments	
			DP-2	52				
					4846			
	15							
					1126			
			DP-3	50	25.9		Medium dense, wet, gray, silty SAND (SM)	
	20				12.2		Soft, moist, gray, silty CLAY (CL-ML) trace sand and fine rock fragments	
							becomes medium stiff	Sample from 21.0 to 23.0 feet bgs submitted for laboratory analysis.
			DP-4	51	20.1		Stiff, moist, gray, silty CLAY (CL-ML) with fine shale fragments and gravel, trace sand [TILL]	
					7.1			
	25						End of Boring at 25' bgs	

URS

APPENDIX C

ANALYTICAL DATA VALIDATION & REVIEW REPORTS

Data Review Report
November/December 2009 Soil Sampling
Detrex Corporation

Reviewer: P. Schuler
Date: January 19, 2010

Sixty-three soil samples, four trip blanks, and two field blanks were collected at the Detrex Corporation site from November 2 to December 11, 2009. The samples were submitted to Precision Analytical in Cleveland, Ohio for analysis of the parameters listed in Table 1.

Table 1
Sample and Analysis Summary

Laboratory ID	Sample ID	Sample Date	Matrix	Requested Analyses(1)	
				VOC	SVOC
0911061-001	TT-1: W-2 (2-3)	11/02/09	Soil	X	X
0911061-002	TT-1: B-1 (5-6)	11/02/09	Soil	X	X
0911061-003	TT-2: B-4 (7-8)	11/03/09	Soil	X	X
0911061-004	TT-2: E-1 (4-5)	11/03/09	Soil	X	X
0911061-005	TT-2: N-1 (5-6)	11/03/09	Soil	X	X
0911061-006	EX-1 (0-1)	11/03/09	Soil	X	X
0911061-007	EX-2 (0-1)	11/03/09	Soil	X	X
0911061-008	EX-3 (0-1)	11/03/09	Soil	X	X
0911061-009	EX-4 (0-1)	11/03/09	Soil	X	X
0911061-010	EX-5 (0-1)	11/03/09	Soil	X	X
0911061-011	EX-6 (0-1)	11/03/09	Soil	X	X
0911061-012	EX-7 (2-3)	11/04/09	Soil	X	X
0911061-013	DUP-1 (0-1)	11/03/09	Soil	X	X
0911061-014	Trip Blank	--	Blank	X	
0911276-001	EX-8 (1-2)	11/09/09	Soil	X	X
0911276-002	EX-9 (1-2)	11/09/09	Soil	X	X
0911276-003	EX-10 (1-2)	11/09/09	Soil	X	X
0911276-004	EX-11 (1-2)	11/09/09	Soil	X	X
0911276-005	EX-12 (1-2)	11/09/09	Soil	X	X
0911276-006	EX-13 (1-2)	11/09/09	Soil	X	X
0911276-007	EX-14 (1-2)	11/09/09	Soil	X	X
0911276-008	EX-15 (1-2)	11/09/09	Soil	X	X
0911276-009	EX-16 (1-2)	11/09/09	Soil	X	X
0911276-010	Dup-2	11/09/09	Soil	X	X
0911276-011	Field Blank	11/09/09	Blank	X	
0911393-001	DS-30(0-1)	11/12/09	Soil	X	X
0911393-002	DS-28(0-1)	11/12/09	Soil	X	X
0911393-003	DS-22(0-1)	11/12/09	Soil	X	X
0911393-004	DS-20(0-1)	11/12/09	Soil	X	X

Laboratory ID	Sample ID	Sample Date	Matrix	Requested Analyses(1)	
				VOC	SVOC
0911393-005	DS-16(0-1)	11/12/09	Soil	X	X
0911393-006	DS-15(0-1)	11/12/09	Soil	X	X
0911393-007	DS-12(0-1)	11/12/09	Soil	X	X
0911393-008	DS-10(0-1)	11/12/09	Soil	X	X
0911393-009	DS-6(0-1)	11/12/09	Soil	X	X
0911393-010	DS-4(0-1)	11/12/09	Soil	X	X
0911393-011	DUP-3	11/12/09	Soil	X	X
0911393-012	Trip Blank	--	Blank	X	
0911701-001	DPT-1/0209:5-6	11/20/09	Soil	X	X
0911701-002	DPT-1/0209:8-10	11/20/09	Soil	X	X
0911701-003	DPT-2/0209:5-6	11/20/09	Soil	X	X
0911701-004	DPT-2/0209:10-12	11/20/09	Soil	X	X
0911701-005	DPT-6/0209:12-14	11/23/09	Soil	X	X
0911701-006	DPT-6/0209:14-15	11/23/09	Soil	X	X
0911701-007	DETWMW-1R:12-14	11/23/09	Soil	X	X
0911701-008	DETWMW-2R:12-14	11/23/09	Soil	X	X
0911701-009	DETWMW-3R:16-18	11/23/09	Soil	X	X
0911701-010	AK-W-7.5	11/23/09	Soil	X	
0911701-011	AK-W-8	11/23/09	Soil	X	
0911701-012	AK-E-8	11/23/09	Soil	X	
0911701-013	Trip Blank	--	Blank	X	
0911701-014	AK-W-8	11/24/09	Soil		X
0911701-015	AK-W-7.5	11/24/09	Soil		X
0911701-016	AK-E-8	11/24/09	Soil		X
0911701-017	DPT-9/0209:8-10	11/24/09	Soil	X	X
0911701-018	DPT-9/0209:22-24	11/24/09	Soil	X	X
0911701-019	DPT-11/0209:10-12	11/24/09	Soil	X	X
0911701-020	DPT-11/0209:20-22	11/24/09	Soil	X	X
0911701-021	Dup 4	11/24/09	Soil	X	X
0911701-022	Field Blank	11/24/09	Blank	X	
0911701-023	DPT-9: 6-8	11/24/09	Soil	X	X
0911701-024	DPT-11:8-10	11/24/09	Soil	X	X
0912443-001	DPT-14/0209: 9-11	12/10/09	Soil	X	X
0912443-002	DPT-14/0209: 21-23	12/10/09	Soil	X	X
0912443-003	DPT-14/0209: 23-25	12/10/09	Soil	X	X
0912443-004	DPT-13/0209: 13-15	12/11/09	Soil	X	X
0912443-005	DPT-13/0209: 21-23	12/11/09	Soil	X	X
0912443-006	DPT-12/0209: 8-10	12/11/09	Soil	X	X
0912443-007	DPT-12/0209: 16-18	12/11/09	Soil	X	X
0912443-008	Trip Blank	--	Blank	X	

(1) VOC = Volatile Organic Compounds [SW-846 Method 8260B]
SVOC = Semivolatile Organic Compounds [SW-846 Method 8270C]

A standard review for analytical data quality was performed by URS Corporation (URS) for the above referenced samples. A standard review includes assessment of supporting quality control (QC) parameters such as associated laboratory control sample (LCS) recoveries, laboratory blank results, matrix spike/matrix spike duplicate (MS/MSD) recoveries, surrogate recoveries, field duplicate results, detection limits, and holding times. A standard review does not include examination of the raw data or reconstruction of the analytical results.

The significant findings (findings that resulted in qualification of data or otherwise affected data quality) were as follows:

- All positive results reported for methylene chloride were qualified as nondetect (flagged "U") due to the presence of methylene chloride, a common lab contaminant, in the method and/or trip blank associated with the affected samples.
- The positive results for volatile organics in samples DPT-1/0209:5-6, DPT-1/0209:8-10, and AK-W-7.5 were qualified as estimated (flagged "J") due to recoveries of one surrogate, dibromofluoromethane, above the upper QC acceptance limit. The high recoveries indicate a potential high bias in the reported results.
- The positive result for trichloroethene in sample DETWMW-3R:16-18 was qualified as estimated (flagged "J") due to low recoveries in the MS/MSD (recoveries 54%/64%, lower acceptance limit 70%). The low recoveries indicate a potential low bias in the reported result.
- The positive results for tetrachloroethene and trans-1,2-dichloroethene in sample DPT-13/0209: 21-23 were qualified as estimated ("J") due to concentrations exceeding the calibration range in the undiluted analytical run, but below the reporting limit in the methanol extraction analysis. A potential bias cannot be determined.
- Four field duplicate pairs were submitted for analysis. Results for the following analytes exceeded the acceptance criteria for duplicate precision:

Duplicate Sample IDs	Analyte	Results, mg/kg	Qualifier
EX-1 (0-1) and DUP-1 (0-1)	1,1,2,2-Tetrachloroethane	60.8	J
		115	J
	Tetrachloroethene	73.4	J
		163	J
	Hexachlorobenzene	12.4	J
		1.89	J
	Hexachlorobutadiene	11.5	J
		1.27 U	UJ
EX-11 (1-2) and Dup-2	1,2-Dichlorobenzene	0.846	J
		1.56	J
	Hexachlorobenzene	0.392 U	UJ
		2.53	J
	Hexachlorobutadiene	3.62	J
		7.32	J

Duplicate Sample IDs	Analyte	Results, mg/kg	Qualifier
DS-10(0-1) and DUP-3	Tetrachloroethene	2.99	J
		8.36	J
DPT-11/0209:10-12 and Dup 4	1,1,2,2-Tetrachloroethane	230	J
		543	J
	Tetrachloroethene	37.9	J
		171	J
	Trichloroethene	311	J
		927	J
	Hexachlorobutadiene	0.446	J
		2.88	J

No other significant findings were identified. All data are considered usable for supporting project objectives. The final data set, with qualifiers, is presented in Tables 2-1 and 2-2.

Table 2-1
Analytical Data Summary - Volatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911061-001 TT-1: W-2 (2-3) 11/2/2009	0911061-002 TT-1: B-1 (5-6) 11/2/2009	0911061-003 TT-2: B-4 (7-8) 11/3/2009	0911061-004 TT-2: E-1 (4-5) 11/3/2009	0911061-005 TT-2: N-1 (5-6) 11/3/2009	0911061-006 EX-1 (0-1) 11/3/2009	0911061-007 EX-2 (0-1) 11/3/2009	0911061-008 EX-3 (0-1) 11/3/2009	0911061-009 EX-4 (0-1) 11/3/2009	0911061-010 EX-5 (0-1) 11/3/2009	0911061-011 EX-6 (0-1) 11/3/2009
1,1,1-Trichloroethane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
1,1,2,2-Tetrachloroethane	mg/Kg	**585**	**185**	**72.6**	**195**	**130**	**60.8 J**	**3.34**	**14.4**	0.697 U	**53.9**	**333**
1,1,2-Trichloroethane	mg/Kg	**10.5**	**19.6**	**3.73**	**4.24**	**2.8**	2.64 U	2.44 U	2.29 U	0.697 U	**3.58**	**10.4**
1,1-Dichloroethane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
1,1-Dichloroethene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
1,2-Dichloroethane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
1,2-Dichloropropane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
2-Hexanone	mg/Kg	52.0 U	59.9 U	53.7 U	50.9 U	36.1 U	52.8 U	48.9 U	45.8 U	13.9 U	48.6 U	53.5 U
4-Methyl-2-pentanone	mg/Kg	10.4 U	12.0 U	10.7 U	10.2 U	7.21 U	10.6 U	9.77 U	9.15 U	2.79 U	9.72 U	10.7 U
Acetone	mg/Kg	52.0 U	59.9 U	53.7 U	50.9 U	36.1 U	52.8 U	48.9 U	45.8 U	13.9 U	48.6 U	53.5 U
Benzene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Bromodichloromethane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Bromoform	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Bromomethane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Carbon disulfide	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Carbon tetrachloride	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Chlorobenzene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Chloroethane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Chloroform	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Chloromethane	mg/Kg	5.20 U	5.99 U	5.37 U	5.09 U	3.61 U	5.28 U	4.89 U	4.58 U	1.39 U	4.86 U	5.35 U
cis-1,2-Dichloroethene	mg/Kg	2.60 U	**5.84**	2.69 U	2.55 U	**23.8**	**9.29**	2.44 U	**8.2**	**1.95**	**26.6**	**10.6**
cis-1,3-Dichloropropene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Dibromochloromethane	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Ethylbenzene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
m,p-Xylene	mg/Kg	5.20 U	5.99 U	5.37 U	5.09 U	3.61 U	5.28 U	4.89 U	4.58 U	1.39 U	4.86 U	5.35 U
Methyl ethyl ketone	mg/Kg	10.4 U	12.0 U	10.7 U	10.2 U	7.21 U	10.6 U	9.77 U	9.15 U	2.79 U	9.72 U	10.7 U
Methylene chloride	mg/Kg	10.4 U	12.0 U	10.7 U	10.2 U	7.21 U	10.6 U	9.77 U	9.15 U	2.79 U	9.72 U	10.7 U
o-Xylene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Styrene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Tetrachloroethene	mg/Kg	**557**	**1,090**	**821**	**288**	**126**	**73.4 J**	**7.96**	**64.1**	0.697 U	**51.1**	**564**
Toluene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
trans-1,2-Dichloroethene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
trans-1,3-Dichloropropene	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	0.697 U	2.43 U	2.68 U
Trichloroethene	mg/Kg	**389**	**1,260**	**319**	**202**	**99.4**	**72.4**	**3.58**	**98**	0.697 U	**183**	**341**
Vinyl acetate	mg/Kg	5.20 U	5.99 U	5.37 U	5.09 U	3.61 U	5.28 U	4.89 U	4.58 U	1.39 U	4.86 U	5.35 U
Vinyl chloride	mg/Kg	2.60 U	2.99 U	2.69 U	2.55 U	1.80 U	2.64 U	2.44 U	2.29 U	**0.832**	2.43 U	2.68 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-1
Analytical Data Summary - Volatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911061-012 EX-7 (2-3) 11/4/2009	0911061-013 DUP-1 (0-1) 11/3/2009	0911276-001 EX-8 (1-2) 11/9/2009	0911276-002 EX-9 (1-2) 11/9/2009	0911276-003 EX-10 (1-2) 11/9/2009	0911276-004 EX-11 (1-2) 11/9/2009	0911276-005 EX-12 (1-2) 11/9/2009	0911276-006 EX-13 (1-2) 11/9/2009	0911276-007 EX-14 (1-2) 11/9/2009	0911276-008 EX-15 (1-2) 11/9/2009	0911276-009 EX-16 (1-2) 11/9/2009
1,1,1-Trichloroethane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
1,1,2,2-Tetrachloroethane	mg/Kg	**173**	**115 J**	**352**	**123**	**155**	**35.8**	**105**	**4.16**	**5.08**	**62.8**	**3.91**
1,1,2-Trichloroethane	mg/Kg	261 U	2.69 U	2.59 U	**2.75**	**3.24**	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
1,1-Dichloroethane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
1,1-Dichloroethene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
1,2-Dichloroethane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
1,2-Dichloropropane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
2-Hexanone	mg/Kg	5,210 U	53.8 U	51.7 U	49.6 U	56.2 U	56.8 U	60.3 U	51.1 U	57.6 U	69.6 U	76.2 U
4-Methyl-2-pentanone	mg/Kg	1,040 U	10.8 U	10.3 U	9.92 U	11.2 U	11.4 U	12.1 U	10.2 U	11.5 U	13.9 U	15.2 U
Acetone	mg/Kg	5,210 U	53.8 U	51.7 U	49.6 U	56.2 U	56.8 U	60.3 U	51.1 U	57.6 U	69.6 U	76.2 U
Benzene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Bromodichloromethane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Bromoform	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Bromomethane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Carbon disulfide	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Carbon tetrachloride	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Chlorobenzene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Chloroethane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Chloroform	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Chloromethane	mg/Kg	521 U	5.38 U	5.17 U	4.96 U	5.62 U	5.68 U	6.03 U	5.11 U	5.76 U	6.96 U	7.62 U
cis-1,2-Dichloroethene	mg/Kg	**739**	**7.71**	2.59 U	2.48 U	2.81 U	2.84 U	**6.26**	**2.7**	**9.16**	**13.9**	**9.27**
cis-1,3-Dichloropropene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Dibromochloromethane	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Ethylbenzene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
m,p-Xylene	mg/Kg	521 U	5.38 U	5.17 U	4.96 U	5.62 U	5.68 U	6.03 U	5.11 U	5.76 U	6.96 U	7.62 U
Methyl ethyl ketone	mg/Kg	1,040 U	10.8 U	10.3 U	9.92 U	11.2 U	11.4 U	12.1 U	10.2 U	11.5 U	13.9 U	15.2 U
Methylene chloride	mg/Kg	1,040 U	10.8 U	10.3 U	9.92 U	11.2 U	11.4 U	12.1 U	10.2 U	11.5 U	13.9 U	15.2 U
o-Xylene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Styrene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Tetrachloroethene	mg/Kg	**201**	**163 J**	**250**	**138**	**155**	**144**	**189**	**42.5**	**60.4**	**76**	**10**
Toluene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
trans-1,2-Dichloroethene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
trans-1,3-Dichloropropene	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U
Trichloroethene	mg/Kg	**201**	**102**	**291**	**182**	**151**	**237**	**90.8**	**17.7**	**24.8**	**145**	**11.8**
Vinyl acetate	mg/Kg	521 U	5.38 U	5.17 U	4.96 U	5.62 U	5.68 U	6.03 U	5.11 U	5.76 U	6.96 U	7.62 U
Vinyl chloride	mg/Kg	261 U	2.69 U	2.59 U	2.48 U	2.81 U	2.84 U	3.01 U	2.55 U	2.88 U	3.48 U	3.81 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-1
Analytical Data Summary - Volatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911276-010 Dup-2 11/9/2009	0911393-001 DS-30 (0-1) 11/12/2009	0911393-002 DS-28 (0-1) 11/12/2009	0911393-003 DS-22 (0-1) 11/12/2009	0911393-004 DS-20 (0-1) 11/12/2009	0911393-005 DS-16 (0-1) 11/12/2009	0911393-006 DS-15 (0-1) 11/12/2009	0911393-007 DS-12 (0-1) 11/12/2009	0911393-008 DS-10 (0-1) 11/12/2009	0911393-009 DS-6 (0-1) 11/12/2009	0911393-010 DS-4 (0-1) 11/12/2009
1,1,1-Trichloroethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
1,1,2,2-Tetrachloroethane	mg/Kg	**35.1**	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	**39.8**	**5.59**	1.07 U	0.464 U	0.740 U
1,1,2-Trichloroethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
1,1-Dichloroethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
1,1-Dichloroethene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
1,2-Dichloroethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
1,2-Dichloropropane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
2-Hexanone	mg/Kg	51.8 U	11.5 U	12.6 U	11.5 U	10.3 U	14.8 U	146 U	9.15 U	21.5 U	9.28 U	14.8 U
4-Methyl-2-pentanone	mg/Kg	10.4 U	2.30 U	2.52 U	2.29 U	2.06 U	2.95 U	29.2 U	1.83 U	4.29 U	1.86 U	2.96 U
Acetone	mg/Kg	51.8 U	11.5 U	12.6 U	11.5 U	10.3 U	14.8 U	146 U	9.15 U	21.5 U	9.28 U	14.8 U
Benzene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Bromodichloromethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Bromoform	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Bromomethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Carbon disulfide	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Carbon tetrachloride	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	**1.87**	1.07 U	0.464 U	0.740 U
Chlorobenzene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Chloroethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Chloroform	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Chloromethane	mg/Kg	5.18 U	1.15 U	1.26 U	1.15 U	1.03 U	1.48 U	14.6 U	0.915 U	2.15 U	0.928 U	1.48 U
cis-1,2-Dichloroethene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	**0.628**	1.07 U	0.464 U	0.740 U
cis-1,3-Dichloropropene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Dibromochloromethane	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Ethylbenzene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
m,p-Xylene	mg/Kg	5.18 U	1.15 U	1.26 U	1.15 U	1.03 U	1.48 U	14.6 U	0.915 U	2.15 U	0.928 U	1.48 U
Methyl ethyl ketone	mg/Kg	10.4 U	11.5 U	12.6 U	11.5 U	10.3 U	14.8 U	146 U	9.15 U	21.5 U	9.28 U	14.8 U
Methylene chloride	mg/Kg	10.4 U	2.30 U	2.52 U	2.29 U	2.06 U	2.95 U	29.2 U	1.83 U	4.29 U	1.86 U	2.96 U
o-Xylene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Styrene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Tetrachloroethene	mg/Kg	**188**	0.576 U	**1.6**	**6.46**	0.516 U	**4.5**	**152**	**7.54**	**2.99 J**	**0.616**	0.740 U
Toluene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
trans-1,2-Dichloroethene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
trans-1,3-Dichloropropene	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U
Trichloroethene	mg/Kg	**280**	0.576 U	0.631 U	**1.27**	0.516 U	**1.65**	**631**	**8.32**	**1.14**	0.464 U	0.740 U
Vinyl acetate	mg/Kg	5.18 U	1.15 U	1.26 U	1.15 U	1.03 U	1.48 U	14.6 U	0.915 U	2.15 U	0.928 U	1.48 U
Vinyl chloride	mg/Kg	2.59 U	0.576 U	0.631 U	0.573 U	0.516 U	0.738 U	7.31 U	0.457 U	1.07 U	0.464 U	0.740 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-1
Analytical Data Summary - Volatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911393-011 DUP-3 11/12/2009	0911701-001 DPT-1/0209: 5-6 11/20/2009	0911701-002 DPT-1/0209: 8-10 11/20/2009	0911701-003 DPT-2/0209: 5-6 11/20/2009	0911701-004 DPT-2/0209: 10-12 11/20/2009	0911701-005 DPT-6/0209: 12-14 11/23/2009	0911701-006 DPT-6/0209: 14-15 11/23/2009	0911701-007 DETWMW-1R: 12-14 11/23/2009	0911701-008 DETWMW-2R: 12-14 11/23/2009	0911701-009 DETWMW-3R: 16-18 11/23/2009	0911701-010 AK-W-7.5 11/23/2009
1,1,1-Trichloroethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
1,1,2,2-Tetrachloroethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	**367**	152 U	**0.0116**	0.00420 U	0.00955 U	**0.0105**	0.00775 U	0.00420 U
1,1,2-Trichloroethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
1,1-Dichloroethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
1,1-Dichloroethene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
1,2-Dichloroethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
1,2-Dichloropropane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
2-Hexanone	mg/Kg	14.6 U	0.0760 U	0.0730 U	2,560 U	3,040 U	0.191 U	0.0840 U	0.191 U	0.131 U	0.155 U	0.0840 U
4-Methyl-2-pentanone	mg/Kg	2.92 U	0.0152 U	0.0146 U	512 U	608 U	0.0382 U	0.0168 U	0.0382 U	0.0262 U	0.0310 U	0.0168 U
Acetone	mg/Kg	14.6 U	0.0760 U	**0.11 J**	2,560 U	3,040 U	**0.204**	0.0840 U	0.191 U	0.131 U	0.155 U	**0.0924 J**
Benzene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Bromodichloromethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Bromoform	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Bromomethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Carbon disulfide	mg/Kg	0.730 U	0.00380 U	**0.00585 J**	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	**0.0422 J**
Carbon tetrachloride	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Chlorobenzene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Chloroethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Chloroform	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Chloromethane	mg/Kg	1.46 U	0.00760 U	0.00730 U	256 U	304 U	0.0191 U	0.00840 U	0.0191 U	0.0131 U	0.0155 U	0.00840 U
cis-1,2-Dichloroethene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	**0.00459 J**
cis-1,3-Dichloropropene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Dibromochloromethane	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Ethylbenzene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	**0.00664**	0.00775 U	0.00420 U
m,p-Xylene	mg/Kg	1.46 U	0.00760 U	0.00730 U	256 U	304 U	0.0191 U	0.00840 U	0.0191 U	0.0131 U	0.0155 U	0.00840 U
Methyl ethyl ketone	mg/Kg	14.6 U	0.0152 U	0.0146 U	512 U	608 U	0.0382 U	0.0168 U	0.0382 U	0.0262 U	0.0310 U	0.0168 U
Methylene chloride	mg/Kg	2.92 U	0.017 U	0.0157 U	512 U	608 U	0.048 U	0.0168 U	0.0831 U	0.0291 U	0.0703 U	0.0168 U
o-Xylene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Styrene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Tetrachloroethene	mg/Kg	**8.36 J**	0.00380 U	0.00365 U	**117**	**521**	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Toluene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
trans-1,2-Dichloroethene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
trans-1,3-Dichloropropene	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U
Trichloroethene	mg/Kg	0.730 U	**0.0188 J**	0.00365 U	**738**	**1770**	**0.0421**	0.00420 U	**0.0447**	**0.0235**	**0.0362 J**	0.00420 U
Vinyl acetate	mg/Kg	1.46 U	0.00760 U	0.00730 U	256 U	304 U	0.0191 U	0.00840 U	0.0191 U	0.0131 U	0.0155 U	0.00840 U
Vinyl chloride	mg/Kg	0.730 U	0.00380 U	0.00365 U	128 U	152 U	0.00955 U	0.00420 U	0.00955 U	0.00655 U	0.00775 U	0.00420 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-1
Analytical Data Summary - Volatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911701-011 AK-W-8 11/23/2009	0911701-012 AK-E-8 11/23/2009	0911701-017 DPT-9/0209: 8-10 11/24/2009	0911701-018 DPT-9/0209: 22-24 11/24/2009	0911701-019 DPT-11/0209: 10-12 11/24/2009	0911701-020 DPT-11/0209: 20-22 11/24/2009	0911701-021 Dup-4 11/24/2009	0911701-023 DPT-9: 6-8 11/24/2009	0911701-024 DPT-11: 8-10 11/24/2009	0912443-001 DPT-14/0209: 9-11 12/10/2009	0912443-002 DPT-14/0209: 21-23 12/10/2009
1,1,1-Trichloroethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
1,1,2,2-Tetrachloroethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	**230 J**	**0.0357**	**543 J**	127 U	**363**	**918**	0.550 U
1,1,2-Trichloroethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	**20.8**	127 U	**75.5**	**44**	0.550 U
1,1-Dichloroethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
1,1-Dichloroethene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
1,2-Dichloroethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
1,2-Dichloropropane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
2-Hexanone	mg/Kg	0.167 U	0.0690 U	2,080 U	0.0640 U	1,220 U	0.198 U	307 U	2,540 U	308 U	628 U	11.0 U
4-Methyl-2-pentanone	mg/Kg	0.0334 U	0.0138 U	416 U	0.0128 U	244 U	0.0396 U	61.4 U	509 U	61.5 U	126 U	2.20 U
Acetone	mg/Kg	0.167 U	**0.0988**	2,080 U	0.0640 U	1,220 U	0.198 U	307 U	2,540 U	308 U	628 U	11.0 U
Benzene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Bromodichloromethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Bromoform	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Bromomethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Carbon disulfide	mg/Kg	0.00835 U	**0.018**	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Carbon tetrachloride	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Chlorobenzene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Chloroethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Chloroform	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Chloromethane	mg/Kg	0.0167 U	0.00690 U	208 U	0.00640 U	122 U	0.0198 U	30.7 U	254 U	30.8 U	62.8 U	1.10 U
cis-1,2-Dichloroethene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	**7.83**	127 U	**9.05**	**72.5**	0.550 U
cis-1,3-Dichloropropene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Dibromochloromethane	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Ethylbenzene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
m,p-Xylene	mg/Kg	0.0167 U	0.00690 U	208 U	0.00640 U	122 U	0.0198 U	30.7 U	254 U	30.8 U	62.8 U	1.10 U
Methyl ethyl ketone	mg/Kg	0.0334 U	0.0138 U	416 U	0.0128 U	244 U	0.0396 U	61.4 U	509 U	61.5 U	126 U	2.20 U
Methylene chloride	mg/Kg	0.0334 U	0.0142 U	416 U	0.0128 U	244 U	0.0765 U	61.4 U	509 U	61.5 U	126 U	2.20 U
o-Xylene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Styrene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Tetrachloroethene	mg/Kg	0.00835 U	0.00345 U	**252**	0.00320 U	**37.9 J**	**0.0122**	**171 J**	127 U	**723**	**570**	0.550 U
Toluene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	**0.0104**	15.4 U	127 U	15.4 U	31.4 U	0.550 U
trans-1,2-Dichloroethene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
trans-1,3-Dichloropropene	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U
Trichloroethene	mg/Kg	**0.0161**	0.00345 U	**1220**	**0.00607**	**311 J**	**0.0844**	**927 J**	**175**	**833**	**2370**	0.550 U
Vinyl acetate	mg/Kg	0.0167 U	0.00690 U	208 U	0.00640 U	122 U	0.0198 U	30.7 U	254 U	30.8 U	62.8 U	1.10 U
Vinyl chloride	mg/Kg	0.00835 U	0.00345 U	104 U	0.00320 U	61.0 U	0.00990 U	15.4 U	127 U	15.4 U	31.4 U	0.550 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-1
Analytical Data Summary - Volatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0912443-003 DPT-14/0209: 23-25 12/10/2009	0912443-004 DPT-13/0209: 13-15 12/11/2009	0912443-005 DPT-13/0209: 21-23 12/11/2009	0912443-006 DPT-12/0209: 8-10 12/11/2009	0912443-007 DPT-12/0209: 16-18 12/11/2009	Units	0911061-014 Trip Blank	0911276-011 Field Blank	0911393-012 Trip Blank 11/12/2009	0911701-013 Trip Blank	0911701-022 Field Blank 11/24/2009	0912443-008 Trip Blank
1,1,1-Trichloroethane	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
1,1,2,2-Tetrachloroethane	mg/Kg	0.574 U	32.9 U	**0.0051**	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
1,1,2-Trichloroethane	mg/Kg	0.574 U	32.9 U	**0.064**	**101**	**23.5**	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
1,1-Dichloroethane	mg/Kg	0.574 U	32.9 U	**0.0092**	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
1,1-Dichloroethene	mg/Kg	0.574 U	32.9 U	**0.0673**	29.4 U	**6.71**	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
1,2-Dichloroethane	mg/Kg	0.574 U	32.9 U	**0.0279**	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
1,2-Dichloropropane	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
2-Hexanone	mg/Kg	11.5 U	658 U	0.0710 U	587 U	76.8 U	mg/L	0.0100 U	0.0100 U	0.100 U	0.0100 U	0.0100 U	0.100 U
4-Methyl-2-pentanone	mg/Kg	2.30 U	132 U	0.0142 U	117 U	15.4 U	mg/L	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Acetone	mg/Kg	11.5 U	658 U	0.0710 U	587 U	76.8 U	mg/L	0.0500 U	0.0500 U	0.100 U	0.0500 U	0.0500 U	0.100 U
Benzene	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Bromodichloromethane	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	**0.00595**	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Bromoform	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Bromomethane	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Carbon disulfide	mg/Kg	0.574 U	32.9 U	**0.0168**	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Carbon tetrachloride	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Chlorobenzene	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Chloroethane	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.0100 U	0.0100 U	0.00500 U	0.0100 U	0.0100 U	0.00500 U
Chloroform	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	**0.00998**	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Chloromethane	mg/Kg	1.15 U	65.8 U	0.00710 U	58.7 U	7.68 U	mg/L	0.00500 U	0.00500 U	0.0100 U	0.00500 U	0.00500 U	0.0100 U
cis-1,2-Dichloroethene	mg/Kg	0.574 U	**41.3**	**0.474**	29.4 U	**5.53**	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
cis-1,3-Dichloropropene	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Dibromochloromethane	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Ethylbenzene	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
m,p-Xylene	mg/Kg	1.15 U	65.8 U	0.00710 U	58.7 U	7.68 U	mg/L	0.00500 U	0.00500 U	0.0100 U	0.00500 U	0.00500 U	0.0100 U
Methyl ethyl ketone	mg/Kg	2.30 U	132 U	0.0142 U	117 U	15.4 U	mg/L	0.0500 U	0.0500 U	0.0200 U	0.0500 U	0.0500 U	0.0200 U
Methylene chloride	mg/Kg	2.30 U	132 U	0.0142 U	117 U	15.4 U	mg/L	0.00500 U	0.00500 U	0.0200 U	**0.00528**	0.00500 U	0.0200 U
o-Xylene	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Styrene	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.0200 U	0.0200 U	0.00500 U	0.0200 U	0.0200 U	0.00500 U
Tetrachloroethene	mg/Kg	0.574 U	**50.8**	**0.465 J**	**2270**	**53.8**	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Toluene	mg/Kg	0.574 U	32.9 U	**0.00422**	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
trans-1,2-Dichloroethene	mg/Kg	0.574 U	32.9 U	**0.248 J**	29.4 U	3.84 U	mg/L	0.0100 U	0.0100 U	0.00500 U	0.0100 U	0.0100 U	0.00500 U
trans-1,3-Dichloropropene	mg/Kg	0.574 U	32.9 U	0.00355 U	29.4 U	3.84 U	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Trichloroethene	mg/Kg	0.574 U	**1140**	**2.89**	**2770**	**366**	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U
Vinyl acetate	mg/Kg	1.15 U	65.8 U	0.00710 U	58.7 U	7.68 U	mg/L	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Vinyl chloride	mg/Kg	0.574 U	32.9 U	**2.17**	29.4 U	**7.1**	mg/L	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U	0.00500 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911061-001 TT-1: W-2 (2-3) 11/2/2009	0911061-002 TT-1: B-1 (5-6) 11/2/2009	0911061-003 TT-2: B-4 (7-8) 11/3/2009	0911061-004 TT-2: E-1 (4-5) 11/3/2009	0911061-005 TT-2: N-1 (5-6) 11/3/2009	0911061-006 EX-1 (0-1) 11/3/2009	0911061-007 EX-2 (0-1) 11/3/2009	0911061-008 EX-3 (0-1) 11/3/2009	0911061-009 EX-4 (0-1) 11/3/2009	0911061-010 EX-5 (0-1) 11/3/2009
1,2,4-Trichlorobenzene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
1,2-Dichlorobenzene	mg/Kg	**1.91**	**2.69**	1.22 U	1.19 U	1.23 U	**0.479**	0.410 U	0.391 U	0.428 U	0.394 U
1,3-Dichlorobenzene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
1,4-Dichlorobenzene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2,4,5-Trichlorophenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2,4,6-Trichlorophenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2,4-Dichlorophenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2,4-Dimethylphenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2,4-Dinitrophenol	mg/Kg	6.20 U	6.51 U	6.30 U	6.14 U	6.32 U	2.13 U	2.11 U	2.02 U	2.21 U	2.03 U
2,4-Dinitrotoluene	mg/Kg	1.20 U	1.26 U	**1.23**	1.19 U	1.23 U	4.14 U	0.410 U	0.391 U	0.428 U	0.394 U
2,6-Dinitrotoluene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2-Chloronaphthalene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2-Chlorophenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2-Methylnaphthalene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2-Methylphenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
2-Nitroaniline	mg/Kg	6.20 U	6.51 U	6.30 U	6.14 U	6.32 U	2.13 U	2.11 U	2.02 U	2.21 U	2.03 U
2-Nitrophenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
3&4 Methylphenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
3,3'-Dichlorobenzidine	mg/Kg	2.41 U	2.53 U	2.45 U	2.38 U	2.45 U	0.828 U	0.820 U	0.783 U	0.857 U	0.788 U
3-Nitroaniline	mg/Kg	6.20 U	6.51 U	6.30 U	6.14 U	6.32 U	2.13 U	2.11 U	2.02 U	2.21 U	2.03 U
4,6-Dinitro-2-methylphenol	mg/Kg	6.20 U	6.51 U	6.30 U	6.14 U	6.32 U	2.13 U	2.11 U	2.02 U	2.21 U	2.03 U
4-Bromophenyl phenyl ether	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
4-Chloro-3-methylphenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	**2.24**	0.410 U	0.391 U	0.428 U	0.394 U
4-Chloroaniline	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
4-Chlorophenyl phenyl ether	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
4-Nitroaniline	mg/Kg	2.41 U	2.53 U	2.45 U	2.38 U	2.45 U	0.828 U	0.820 U	0.783 U	0.857 U	0.788 U
4-Nitrophenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Acenaphthene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Acenaphthylene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Anthracene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Benzo (a) anthracene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Benzo(a)pyrene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Benzo(b)fluoranthene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Benzo(g,h,i)perylene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Benzo(k)fluoranthene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Benzoic acid	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Benzyl alcohol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Bis(2-chloroethoxy)methane	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Bis(2-chloroethyl) ether	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911061-001 TT-1: W-2 (2-3) 11/2/2009	0911061-002 TT-1: B-1 (5-6) 11/2/2009	0911061-003 TT-2: B-4 (7-8) 11/3/2009	0911061-004 TT-2: E-1 (4-5) 11/3/2009	0911061-005 TT-2: N-1 (5-6) 11/3/2009	0911061-006 EX-1 (0-1) 11/3/2009	0911061-007 EX-2 (0-1) 11/3/2009	0911061-008 EX-3 (0-1) 11/3/2009	0911061-009 EX-4 (0-1) 11/3/2009	0911061-010 EX-5 (0-1) 11/3/2009
Bis(2-chloroisopropyl) ether	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Bis(2-ethylhexyl) phthalate	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Butyl benzyl phthalate	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Chrysene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Dibenz(a,h)anthracene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Dibenzofuran	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Diethyl phthalate	mg/Kg	**4.86**	12.6 U	**3.83**	**3.46**	1.23 U	0.414 U	**0.445**	0.391 U	0.428 U	0.394 U
Dimethyl phthalate	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Di-n-butyl phthalate	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Di-n-octyl phthalate	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Fluoranthene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Fluorene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Hexachlorobenzene	mg/Kg	**23.9**	**25.2**	**6.15**	**3.95**	1.23 U	**12.4 J**	**2.13**	0.391 U	0.428 U	**1.5**
Hexachlorobutadiene	mg/Kg	**16.5**	**14.3**	**6.88**	**5.68**	1.23 U	**11.5 J**	4.10 U	0.391 U	0.428 U	**2.39**
Hexachlorocyclopentadiene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Hexachloroethane	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	**1.32**	0.414 U	**0.939**	0.391 U	0.428 U	0.394 U
Indeno(1,2,3-cd)pyrene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Isophorone	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Naphthalene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Nitrobenzene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
N-Nitrosodi-n-propylamine	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
N-Nitrosodiphenylamine	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Pentachlorophenol	mg/Kg	6.20 U	6.51 U	6.30 U	6.14 U	6.32 U	2.13 U	2.11 U	2.02 U	2.21 U	2.03 U
Phenanthrene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Phenol	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Pyrene	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U
Pyridine	mg/Kg	1.20 U	1.26 U	1.22 U	1.19 U	1.23 U	0.414 U	0.410 U	0.391 U	0.428 U	0.394 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911061-011 EX-6 (0-1) 11/3/2009	0911061-012 EX-7 (2-3) 11/4/2009	0911061-013 DUP-1 (0-1) 11/3/2009	0911276-001 EX-8 (1-2) 11/9/2009	0911276-002 EX-9 (1-2) 11/9/2009	0911276-003 EX-10 (1-2) 11/9/2009	0911276-004 EX-11 (1-2) 11/9/2009	0911276-005 EX-12 (1-2) 11/9/2009	0911276-006 EX-13 (1-2) 11/9/2009	0911276-007 EX-14 (1-2) 11/9/2009
1,2,4-Trichlorobenzene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
1,2-Dichlorobenzene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	**8.18**	**1.3**	**0.846 J**	**1.18**	0.404 U	**0.54**
1,3-Dichlorobenzene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
1,4-Dichlorobenzene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2,4,5-Trichlorophenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2,4,6-Trichlorophenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2,4-Dichlorophenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2,4-Dimethylphenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2,4-Dinitrophenol	mg/Kg	6.18 U	6.40 U	6.55 U	20.2 U	20.4 U	2.03 U	2.02 U	2.11 U	2.08 U	2.11 U
2,4-Dinitrotoluene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2,6-Dinitrotoluene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2-Chloronaphthalene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2-Chlorophenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2-Methylnaphthalene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2-Methylphenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
2-Nitroaniline	mg/Kg	6.18 U	6.40 U	6.55 U	20.2 U	20.4 U	2.03 U	2.02 U	2.11 U	2.08 U	2.11 U
2-Nitrophenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
3&4 Methylphenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
3,3'-Dichlorobenzidine	mg/Kg	2.40 U	2.49 U	2.54 U	7.83 U	7.91 U	0.787 U	0.784 U	0.821 U	0.809 U	0.819 U
3-Nitroaniline	mg/Kg	6.18 U	6.40 U	6.55 U	20.2 U	20.4 U	2.03 U	2.02 U	2.11 U	2.08 U	2.11 U
4,6-Dinitro-2-methylphenol	mg/Kg	6.18 U	6.40 U	6.55 U	20.2 U	20.4 U	2.03 U	2.02 U	2.11 U	2.08 U	2.11 U
4-Bromophenyl phenyl ether	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
4-Chloro-3-methylphenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
4-Chloroaniline	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
4-Chlorophenyl phenyl ether	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
4-Nitroaniline	mg/Kg	2.40 U	2.49 U	2.54 U	7.83 U	7.91 U	0.787 U	0.784 U	0.821 U	0.809 U	0.819 U
4-Nitrophenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Acenaphthene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Acenaphthylene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Anthracene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Benzo (a) anthracene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Benzo(a)pyrene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Benzo(b)fluoranthene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Benzo(g,h,i)perylene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Benzo(k)fluoranthene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Benzoic acid	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Benzyl alcohol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Bis(2-chloroethoxy)methane	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Bis(2-chloroethyl) ether	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911061-011 EX-6 (0-1) 11/3/2009	0911061-012 EX-7 (2-3) 11/4/2009	0911061-013 DUP-1 (0-1) 11/3/2009	0911276-001 EX-8 (1-2) 11/9/2009	0911276-002 EX-9 (1-2) 11/9/2009	0911276-003 EX-10 (1-2) 11/9/2009	0911276-004 EX-11 (1-2) 11/9/2009	0911276-005 EX-12 (1-2) 11/9/2009	0911276-006 EX-13 (1-2) 11/9/2009	0911276-007 EX-14 (1-2) 11/9/2009
Bis(2-chloroisopropyl) ether	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Bis(2-ethylhexyl) phthalate	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Butyl benzyl phthalate	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Chrysene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Dibenz(a,h)anthracene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Dibenzofuran	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Diethyl phthalate	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Dimethyl phthalate	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Di-n-butyl phthalate	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Di-n-octyl phthalate	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Fluoranthene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Fluorene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Hexachlorobenzene	mg/Kg	**10.7**	1.24 U	**1.89 J**	**53.7**	**46.4**	**7.96**	0.392 UJ	**3.58**	0.404 U	**0.417**
Hexachlorobutadiene	mg/Kg	**4.05**	**30.9**	1.27 UJ	**67.1**	**56.9**	**5.58**	**3.62 J**	**1.05**	0.404 U	**1.89**
Hexachlorocyclopentadiene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Hexachloroethane	mg/Kg	**2.98**	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Indeno(1,2,3-cd)pyrene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Isophorone	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Naphthalene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Nitrobenzene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
N-Nitrosodi-n-propylamine	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
N-Nitrosodiphenylamine	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Pentachlorophenol	mg/Kg	6.18 U	6.40 U	6.55 U	20.2 U	20.4 U	2.03 U	2.02 U	2.11 U	2.08 U	2.11 U
Phenanthrene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Phenol	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Pyrene	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U
Pyridine	mg/Kg	1.20 U	1.24 U	1.27 U	3.92 U	3.96 U	0.394 U	0.392 U	0.410 U	0.404 U	0.409 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911276-008 EX-15 (1-2) 11/9/2009	0911276-009 EX-16 (1-2) 11/9/2009	0911276-010 Dup-2 11/9/2009	0911393-001 DS-30 (0-1) 11/12/2009	0911393-002 DS-28 (0-1) 11/12/2009	0911393-003 DS-22 (0-1) 11/12/2009	0911393-004 DS-20 (0-1) 11/12/2009	0911393-005 DS-16 (0-1) 11/12/2009	0911393-006 DS-15 (0-1) 11/12/2009	0911393-007 DS-12 (0-1) 11/12/2009
1,2,4-Trichlorobenzene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
1,2-Dichlorobenzene	mg/Kg	**0.579**	0.420 U	**1.56 J**	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
1,3-Dichlorobenzene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
1,4-Dichlorobenzene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2,4,5-Trichlorophenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2,4,6-Trichlorophenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2,4-Dichlorophenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2,4-Dimethylphenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2,4-Dinitrophenol	mg/Kg	2.09 U	2.16 U	2.06 U	1.97 U	10.9 U	21.0 U	2.09 U	124 U	24.5 U	2.12 U
2,4-Dinitrotoluene	mg/Kg	**6.12**	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2,6-Dinitrotoluene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2-Chloronaphthalene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2-Chlorophenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2-Methylnaphthalene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2-Methylphenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
2-Nitroaniline	mg/Kg	2.09 U	2.16 U	2.06 U	1.97 U	10.9 U	21.0 U	2.09 U	124 U	24.5 U	2.12 U
2-Nitrophenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
3&4 Methylphenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
3,3'-Dichlorobenzidine	mg/Kg	0.810 U	0.840 U	0.800 U	0.763 U	4.25 U	8.14 U	0.811 U	48.2 U	9.52 U	0.822 U
3-Nitroaniline	mg/Kg	2.09 U	2.16 U	2.06 U	1.97 U	10.9 U	21.0 U	2.09 U	124 U	24.5 U	2.12 U
4,6-Dinitro-2-methylphenol	mg/Kg	2.09 U	2.16 U	2.06 U	1.97 U	10.9 U	21.0 U	2.09 U	124 U	24.5 U	2.12 U
4-Bromophenyl phenyl ether	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
4-Chloro-3-methylphenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
4-Chloroaniline	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
4-Chlorophenyl phenyl ether	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
4-Nitroaniline	mg/Kg	0.810 U	0.840 U	0.800 U	0.763 U	4.25 U	8.14 U	0.811 U	48.2 U	9.52 U	0.822 U
4-Nitrophenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Acenaphthene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Acenaphthylene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Anthracene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Benzo (a) anthracene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Benzo(a)pyrene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Benzo(b)fluoranthene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Benzo(g,h,i)perylene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Benzo(k)fluoranthene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Benzoic acid	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Benzyl alcohol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Bis(2-chloroethoxy)methane	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Bis(2-chloroethyl) ether	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911276-008 EX-15 (1-2) 11/9/2009	0911276-009 EX-16 (1-2) 11/9/2009	0911276-010 Dup-2 11/9/2009	0911393-001 DS-30 (0-1) 11/12/2009	0911393-002 DS-28 (0-1) 11/12/2009	0911393-003 DS-22 (0-1) 11/12/2009	0911393-004 DS-20 (0-1) 11/12/2009	0911393-005 DS-16 (0-1) 11/12/2009	0911393-006 DS-15 (0-1) 11/12/2009	0911393-007 DS-12 (0-1) 11/12/2009
Bis(2-chloroisopropyl) ether	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Bis(2-ethylhexyl) phthalate	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Butyl benzyl phthalate	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Chrysene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Dibenz(a,h)anthracene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Dibenzofuran	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Diethyl phthalate	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Dimethyl phthalate	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Di-n-butyl phthalate	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Di-n-octyl phthalate	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Fluoranthene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Fluorene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Hexachlorobenzene	mg/Kg	**10.3**	**0.678**	**2.53 J**	0.382 U	**9.37**	**27.3**	**12.1**	**34.7**	**12.4**	**19.5**
Hexachlorobutadiene	mg/Kg	**14.5**	**1.18**	**7.32 J**	0.382 U	2.12 U	4.07 U	**3.22**	24.1 U	**388**	**4.01**
Hexachlorocyclopentadiene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Hexachloroethane	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Isophorone	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Naphthalene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Nitrobenzene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
N-Nitrosodi-n-propylamine	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
N-Nitrosodiphenylamine	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Pentachlorophenol	mg/Kg	2.09 U	2.16 U	2.06 U	1.97 U	10.9 U	21.0 U	2.09 U	124 U	24.5 U	2.12 U
Phenanthrene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	**1.24**	24.1 U	4.76 U	0.411 U
Phenol	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U
Pyrene	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	**0.669**	24.1 U	4.76 U	0.411 U
Pyridine	mg/Kg	0.405 U	0.420 U	0.400 U	0.382 U	2.12 U	4.07 U	0.405 U	24.1 U	4.76 U	0.411 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911393-008 DS-10 (0-1) 11/12/2009	0911393-009 DS-6 (0-1) 11/12/2009	0911393-010 DS-4 (0-1) 11/12/2009	0911393-011 DUP-3 11/12/2009	0911701-001 DPT-1/0209: 5-6 11/20/2009	0911701-002 DPT-1/0209: 8-10 11/20/2009	0911701-003 DPT-2/0209: 5-6 11/20/2009	0911701-004 DPT-2/0209: 10-12 11/20/2009	0911701-005 DPT-6/0209: 12-14 11/23/2009	0911701-006 DPT-6/0209: 14-15 11/23/2009
1,2,4-Trichlorobenzene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
1,2-Dichlorobenzene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
1,3-Dichlorobenzene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
1,4-Dichlorobenzene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2,4,5-Trichlorophenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2,4,6-Trichlorophenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2,4-Dichlorophenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2,4-Dimethylphenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2,4-Dinitrophenol	mg/Kg	181 U	23.2 U	134 U	156 U	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U
2,4-Dinitrotoluene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	**0.677**	0.329 U	0.330 U	0.330 U
2,6-Dinitrotoluene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2-Chloronaphthalene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2-Chlorophenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2-Methylnaphthalene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2-Methylphenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
2-Nitroaniline	mg/Kg	181 U	23.2 U	134 U	156 U	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U
2-Nitrophenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
3&4 Methylphenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
3,3'-Dichlorobenzidine	mg/Kg	70.1 U	9.01 U	52.1 U	60.7 U	0.660 U	0.660 U	0.660 U	0.658 U	0.660 U	0.660 U
3-Nitroaniline	mg/Kg	181 U	23.2 U	134 U	156 U	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U
4,6-Dinitro-2-methylphenol	mg/Kg	181 U	23.2 U	134 U	156 U	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U
4-Bromophenyl phenyl ether	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
4-Chloro-3-methylphenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
4-Chloroaniline	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
4-Chlorophenyl phenyl ether	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
4-Nitroaniline	mg/Kg	70.1 U	9.01 U	52.1 U	60.7 U	0.660 U	0.660 U	0.660 U	0.658 U	0.660 U	0.660 U
4-Nitrophenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Acenaphthene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Acenaphthylene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Anthracene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Benzo (a) anthracene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Benzo(a)pyrene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Benzo(b)fluoranthene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Benzo(g,h,i)perylene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Benzo(k)fluoranthene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Benzoic acid	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Benzyl alcohol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Bis(2-chloroethoxy)methane	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Bis(2-chloroethyl) ether	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911393-008 DS-10 (0-1) 11/12/2009	0911393-009 DS-6 (0-1) 11/12/2009	0911393-010 DS-4 (0-1) 11/12/2009	0911393-011 DUP-3 11/12/2009	0911701-001 DPT-1/0209: 5-6 11/20/2009	0911701-002 DPT-1/0209: 8-10 11/20/2009	0911701-003 DPT-2/0209: 5-6 11/20/2009	0911701-004 DPT-2/0209: 10-12 11/20/2009	0911701-005 DPT-6/0209: 12-14 11/23/2009	0911701-006 DPT-6/0209: 14-15 11/23/2009
Bis(2-chloroisopropyl) ether	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Bis(2-ethylhexyl) phthalate	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Butyl benzyl phthalate	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Chrysene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Dibenz(a,h)anthracene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Dibenzofuran	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Diethyl phthalate	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Dimethyl phthalate	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Di-n-butyl phthalate	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Di-n-octyl phthalate	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Fluoranthene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Fluorene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Hexachlorobenzene	mg/Kg	35.1 U	**36.4**	26.0 U	**51.9**	0.330 U	0.330 U	**3.72**	**2.52**	0.330 U	0.330 U
Hexachlorobutadiene	mg/Kg	35.1 U	**8.43**	**60**	30.3 U	0.330 U	0.330 U	**1.96**	**2.25**	0.330 U	0.330 U
Hexachlorocyclopentadiene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Hexachloroethane	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Indeno(1,2,3-cd)pyrene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Isophorone	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Naphthalene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Nitrobenzene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
N-Nitrosodi-n-propylamine	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
N-Nitrosodiphenylamine	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Pentachlorophenol	mg/Kg	181 U	23.2 U	134 U	156 U	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U
Phenanthrene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Phenol	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Pyrene	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U
Pyridine	mg/Kg	35.1 U	4.50 U	26.0 U	30.3 U	0.330 U	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911701-007 DETWMW-1R: 12-14 11/23/2009	0911701-008 DETWMW-2R: 12-14 11/23/2009	0911701-009 DETWMW-3R: 16-18 11/23/2009	0911701-014 AK-W-8 11/24/2009	0911701-015 AK-W-7.5 11/24/2009	0911701-016 AK-E-8 11/24/2009	0911701-017 DPT-9/0209: 8-10 11/24/2009	0911701-018 DPT-9/0209: 22-24 11/24/2009	0911701-019 DPT-11/0209: 10-12 11/24/2009	0911701-020 DPT-11/0209: 20-22 11/24/2009
1,2,4-Trichlorobenzene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
1,2-Dichlorobenzene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
1,3-Dichlorobenzene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
1,4-Dichlorobenzene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2,4,5-Trichlorophenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2,4,6-Trichlorophenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2,4-Dichlorophenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2,4-Dimethylphenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2,4-Dinitrophenol	mg/Kg	1.70 U	1.69 U	1.69 U	1.69 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U
2,4-Dinitrotoluene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2,6-Dinitrotoluene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2-Chloronaphthalene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2-Chlorophenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2-Methylnaphthalene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2-Methylphenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
2-Nitroaniline	mg/Kg	1.70 U	1.69 U	1.69 U	1.69 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U
2-Nitrophenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
3&4 Methylphenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
3,3'-Dichlorobenzidine	mg/Kg	0.660 U	0.658 U	0.658 U	0.658 U	0.656 U	0.658 U	0.660 U	0.658 U	0.660 U	0.658 U
3-Nitroaniline	mg/Kg	1.70 U	1.69 U	1.69 U	1.69 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U
4,6-Dinitro-2-methylphenol	mg/Kg	1.70 U	1.69 U	1.69 U	1.69 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U
4-Bromophenyl phenyl ether	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
4-Chloro-3-methylphenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
4-Chloroaniline	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
4-Chlorophenyl phenyl ether	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
4-Nitroaniline	mg/Kg	0.660 U	0.658 U	0.658 U	0.658 U	0.656 U	0.658 U	0.660 U	0.658 U	0.660 U	0.658 U
4-Nitrophenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Acenaphthene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Acenaphthylene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Anthracene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Benzo (a) anthracene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Benzo(a)pyrene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Benzo(b)fluoranthene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Benzo(g,h,i)perylene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Benzo(k)fluoranthene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Benzoic acid	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Benzyl alcohol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Bis(2-chloroethoxy)methane	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Bis(2-chloroethyl) ether	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911701-007 DETWMW-1R: 12-14 11/23/2009	0911701-008 DETWMW-2R: 12-14 11/23/2009	0911701-009 DETWMW-3R: 16-18 11/23/2009	0911701-014 AK-W-8 11/24/2009	0911701-015 AK-W-7.5 11/24/2009	0911701-016 AK-E-8 11/24/2009	0911701-017 DPT-9/0209: 8-10 11/24/2009	0911701-018 DPT-9/0209: 22-24 11/24/2009	0911701-019 DPT-11/0209: 10-12 11/24/2009	0911701-020 DPT-11/0209: 20-22 11/24/2009
Bis(2-chloroisopropyl) ether	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Bis(2-ethylhexyl) phthalate	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Butyl benzyl phthalate	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Chrysene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Dibenz(a,h)anthracene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Dibenzofuran	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Diethyl phthalate	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Dimethyl phthalate	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Di-n-butyl phthalate	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Di-n-octyl phthalate	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Fluoranthene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Fluorene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Hexachlorobenzene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	**15.1**	0.329 U	0.330 U	0.329 U
Hexachlorobutadiene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	**4.44**	0.329 U	**0.446** J	0.329 U
Hexachlorocyclopentadiene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Hexachloroethane	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Isophorone	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Naphthalene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Nitrobenzene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
N-Nitrosodi-n-propylamine	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
N-Nitrosodiphenylamine	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Pentachlorophenol	mg/Kg	1.70 U	1.69 U	1.69 U	1.69 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U
Phenanthrene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Phenol	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Pyrene	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U
Pyridine	mg/Kg	0.330 U	0.329 U	0.329 U	0.329 U	0.328 U	0.329 U	0.330 U	0.329 U	0.330 U	0.329 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911701-021 Dup-4 11/24/2009	0911701-023 DPT-9: 6-8 11/24/2009	0911701-024 DPT-11: 8-10 11/24/2009	0912443-001 DPT-14/0209: 9-11 12/10/2009	0912443-002 DPT-14/0209: 21-23 12/10/2009	0912443-003 DPT-14/0209: 23-25 12/10/2009	0912443-004 DPT-13/0209: 13-15 12/11/2009	0912443-005 DPT-13/0209: 21-23 12/11/2009	0912443-006 DPT-12/0209: 8-10 12/11/2009	0912443-007 DPT-12/0209: 16-18 12/11/2009
1,2,4-Trichlorobenzene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	**1.27**	0.325 U	0.330 U	0.328 U
1,2-Dichlorobenzene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	**13.2**	0.325 U	0.330 U	0.328 U
1,3-Dichlorobenzene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
1,4-Dichlorobenzene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2,4,5-Trichlorophenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2,4,6-Trichlorophenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2,4-Dichlorophenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2,4-Dimethylphenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2,4-Dinitrophenol	mg/Kg	1.70 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U	1.67 U	1.70 U	1.69 U
2,4-Dinitrotoluene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2,6-Dinitrotoluene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2-Chloronaphthalene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2-Chlorophenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2-Methylnaphthalene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2-Methylphenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
2-Nitroaniline	mg/Kg	1.70 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U	1.67 U	1.70 U	1.69 U
2-Nitrophenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
3&4 Methylphenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
3,3'-Dichlorobenzidine	mg/Kg	0.660 U	0.658 U	0.656 U	0.660 U	0.658 U	0.660 U	0.658 U	0.649 U	0.660 U	0.656 U
3-Nitroaniline	mg/Kg	1.70 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U	1.67 U	1.70 U	1.69 U
4,6-Dinitro-2-methylphenol	mg/Kg	1.70 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U	1.67 U	1.70 U	1.69 U
4-Bromophenyl phenyl ether	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
4-Chloro-3-methylphenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
4-Chloroaniline	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
4-Chlorophenyl phenyl ether	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
4-Nitroaniline	mg/Kg	0.660 U	0.658 U	0.656 U	0.660 U	0.658 U	0.660 U	0.658 U	0.649 U	0.660 U	0.656 U
4-Nitrophenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Acenaphthene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Acenaphthylene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Anthracene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Benzo (a) anthracene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Benzo(a)pyrene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Benzo(b)fluoranthene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Benzo(g,h,i)perylene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Benzo(k)fluoranthene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Benzoic acid	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Benzyl alcohol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Bis(2-chloroethoxy)methane	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Bis(2-chloroethyl) ether	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U

Table 2-2
Analytical Data Summary - Semivolatiles
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0911701-021 Dup-4 11/24/2009	0911701-023 DPT-9: 6-8 11/24/2009	0911701-024 DPT-11: 8-10 11/24/2009	0912443-001 DPT-14/0209: 9-11 12/10/2009	0912443-002 DPT-14/0209: 21-23 12/10/2009	0912443-003 DPT-14/0209: 23-25 12/10/2009	0912443-004 DPT-13/0209: 13-15 12/11/2009	0912443-005 DPT-13/0209: 21-23 12/11/2009	0912443-006 DPT-12/0209: 8-10 12/11/2009	0912443-007 DPT-12/0209: 16-18 12/11/2009
Bis(2-chloroisopropyl) ether	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Bis(2-ethylhexyl) phthalate	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Butyl benzyl phthalate	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Chrysene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Dibenz(a,h)anthracene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Dibenzofuran	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Diethyl phthalate	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Dimethyl phthalate	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Di-n-butyl phthalate	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Di-n-octyl phthalate	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Fluoranthene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Fluorene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Hexachlorobenzene	mg/Kg	**0.388**	0.329 U	**0.965**	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	**0.436**	0.328 U
Hexachlorobutadiene	mg/Kg	**2.88 J**	**1.22**	**1.25**	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	**0.897**	0.328 U
Hexachlorocyclopentadiene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Hexachloroethane	mg/Kg	0.330 U	0.329 U	0.328 U	**0.608**	0.329 U	0.330 U	**0.482**	0.325 U	0.330 U	0.328 U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Isophorone	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Naphthalene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Nitrobenzene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
N-Nitrosodi-n-propylamine	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
N-Nitrosodiphenylamine	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Pentachlorophenol	mg/Kg	1.70 U	1.69 U	1.69 U	1.70 U	1.69 U	1.70 U	1.69 U	1.67 U	1.70 U	1.69 U
Phenanthrene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Phenol	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Pyrene	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U
Pyridine	mg/Kg	0.330 U	0.329 U	0.328 U	0.330 U	0.329 U	0.330 U	0.329 U	0.325 U	0.330 U	0.328 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Data Review Report
March 2010 Groundwater Sampling
Detrex Corporation

Reviewer: P. Schuler
Date: April 27, 2010

Twenty-three groundwater samples and two trip blanks were collected at the Detrex Corporation site on March 5 and March 8, 2010. The samples were submitted to Precision Analytical in Cleveland, Ohio for analysis of the parameters listed in Table 1.

Table 1
Sample and Analysis Summary

Laboratory ID	Sample ID	Sample Date	Matrix	Requested Analyses(1)
1003195-001A	GP-1	03/05/10	Water	VOC
1003195-002A	GP-2	03/05/10	Water	VOC
1003195-003A	MW-11S	03/05/10	Water	VOC
1003195-004A	IT-609	03/05/10	Water	VOC
1003195-005A	IT-607	03/05/10	Water	VOC
1003195-006A	IT-601	03/05/10	Water	VOC
1003195-007A	IT-605	03/05/10	Water	VOC
1003195-008A	IT-603	03/05/10	Water	VOC
1003195-009A	IT-611	03/05/10	Water	VOC
1003195-010A	IT-613	03/05/10	Water	VOC
1003195-011A	IT-614	03/05/10	Water	VOC
1003195-012A	MW-1	03/05/10	Water	VOC
1003195-013A	DUP-1	03/05/10	Water	VOC
1003195-014A	IT-600	03/05/10	Water	VOC
1003195-015A	Trip Blank	NA	Blank	VOC
1003221-001A	DETWMW-1D	03/08/10	Water	VOC
1003221-002A	DETWMW-1S	03/08/10	Water	VOC
1003221-003A	DETWMW-2D	03/08/10	Water	VOC
1003221-004A	DETWMW-2S	03/08/10	Water	VOC
1003221-005A	DETWMW-3D	03/08/10	Water	VOC
1003221-006A	DETWMW-3S	03/08/10	Water	VOC
1003221-007A	DETWMW-4D	03/08/10	Water	VOC
1003221-008A	DETWMW-4S	03/08/10	Water	VOC
1003221-009A	DUP-2	03/08/10	Water	VOC
1003221-010A	Trip Blank	NA	Blank	VOC

(1) VOC = Volatile Organic Compounds [SW-846 Method 8260B]

A standard review for analytical data quality was performed by URS Corporation (URS) for the above referenced samples. A standard review includes assessment of supporting quality control (QC) parameters such as associated laboratory control sample (LCS) recoveries, laboratory blank results, matrix spike/matrix spike duplicate (MS/MSD) recoveries, surrogate recoveries, field duplicate results, detection limits, and holding times. A standard review does not include examination of the raw data or reconstruction of the analytical results.

No significant findings (findings that resulted in qualification of data or otherwise affected data quality) were identified; all QC parameters met the applicable acceptance criteria. The groundwater data are considered usable for supporting project objectives. The final data set is presented in Table 2.

Table 2
Analytical Data Summary - Volatile Organics
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	1003195-001A GP-1 3/5/2010 4:15:00 PM	1003195-002A GP-2 3/5/2010 4:20:00 PM	1003195-003A MW-11S 3/5/2010 4:26:00 PM	1003195-004A IT-609 3/5/2010 4:00:00 PM	1003195-005A IT-607 3/5/2010 4:10:00 PM	1003195-006A IT-601 3/5/2010 4:20:00 PM	1003195-007A IT-605 3/5/2010 4:45:00 PM	1003195-008A IT-603 3/5/2010 5:00:00 PM	1003195-009A IT-611 3/5/2010 3:45:00 PM	1003195-010A IT-613 3/5/2010 3:30:00 PM
1,1,1-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
o-Xylene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Tetrachloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

Table 2
Analytical Data Summary - Volatile Organics
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	1003195-011A IT-614 3/5/2010 3:15:00 PM	1003195-012A MW-1 3/5/2010 4:52:00 PM	1003195-013A DUP-1 3/5/2010	1003195-014A IT-600 3/5/2010 4:30:00 PM	1003195-015A Trip Blank	1003221-001A DETWMW-1D 3/8/2010 3:32:00 PM	1003221-002A DETWMW-1S 3/8/2010 3:30:00 PM	1003221-003A DETWMW-2D 3/8/2010 3:45:00 PM	1003221-004A DETWMW-2S 3/8/2010 3:42:00 PM	1003221-005A DETWMW-3D 3/8/2010 3:56:00 PM
1,1,1-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
o-Xylene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Tetrachloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

Table 2
Analytical Data Summary - Volatile Organics
Detrex Corporation
Ashtabula, Ohio

Parameter	Units	1003221-006A DETWMW-3S 3/8/2010 3:53:00 PM	1003221-007A DETWMW-4D 3/8/2010 4:11:00 PM	1003221-008A DETWMW-4S 3/8/2010 4:08:00 PM	1003221-009A DUP-2 3/8/2010	1003221-010A Trip Blank
1,1,1-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U	5 U	5 U	5 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	20 U	20 U	20 U	20 U	20 U
Acetone	µg/L	50 U	50 U	50 U	50 U	50 U
Benzene	µg/L	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Bromoform	µg/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	µg/L	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	µg/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	µg/L	10 U	10 U	10 U	10 U	10 U
Chloroform	µg/L	5 U	5 U	5 U	5 U	5 U
Chloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	µg/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	µg/L	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone	µg/L	50 U	50 U	50 U	50 U	50 U
Methylene chloride	µg/L	5 U	5 U	5 U	5 U	**8.01**
o-Xylene	µg/L	5 U	5 U	5 U	5 U	5 U
Styrene	µg/L	20 U	20 U	20 U	20 U	20 U
Tetrachloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
Toluene	µg/L	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	µg/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	µg/L	5 U	5 U	5 U	5 U	5 U
Trichloroethene	µg/L	5 U	5 U	5 U	5 U	5 U
Vinyl acetate	µg/L	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	µg/L	5 U	5 U	5 U	5 U	5 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

APPENDIX D

ANALYTICAL RESULTS AND CHAINS-OF-CUSTODY

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

November 18, 2009

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115
TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex Corp/13811443 Order No.: 0911061

Dear Martin Schmidt:

Precision Analytical, Inc. received 14 sample(s) on 11/4/2009 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

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Cleveland, OH 44128
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Case Narrative

WO#: **0911061**
Date: **11/18/2009**

CLIENT: URS Corp.
Project: Detrex Corp/13811443

QC Exceptions and Explanations

Semi-Volatile Organics:

LCS/LCS DUP (Batch 5513): Three compounds in the LCS DUP had a %RPD slightly above laboratory acceptance limits. Results were only marginally high, and % recovery was acceptable for both the LCS and LCS DUP. No data is being flagged.

0911061-007 MS/MSD: 4-Nitrophenol had a %recovery above laboratory acceptance limits in the MS and MSD. 4-Nitrophenol was non-detect in the sample. High bias QC does not affect non-detect results.

Surrogates (general): data is only flagged when any two surrogate compounds of either the acid or base/neutral fraction are out of compliance, or if any one surrogate is less than 10%. Also, high recovery with non-detect results; high bias QC does not affect non-detect results.

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-001 **Matrix:** SOLID

Client Sample ID TT-1: W-2 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
1,2-Dichlorobenzene	1.91	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
1,3-Dichlorobenzene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
1,4-Dichlorobenzene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2,4,5-Trichlorophenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2,4,6-Trichlorophenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2,4-Dichlorophenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2,4-Dimethylphenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2,4-Dinitrophenol	ND	6.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2,4-Dinitrotoluene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2,6-Dinitrotoluene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2-Chloronaphthalene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2-Chlorophenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2-Methylnaphthalene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2-Methylphenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2-Nitroaniline	ND	6.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
2-Nitrophenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
3&4 Methylphenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
3,3'-Dichlorobenzidine	ND	2.41		mg/Kg-dry	1	11/12/2009 11:40:00 PM
3-Nitroaniline	ND	6.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
4,6-Dinitro-2-methylphenol	ND	6.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
4-Bromophenyl phenyl ether	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
4-Chloro-3-methylphenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
4-Chloroaniline	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
4-Chlorophenyl phenyl ether	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
4-Nitroaniline	ND	2.41		mg/Kg-dry	1	11/12/2009 11:40:00 PM
4-Nitrophenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Acenaphthene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Acenaphthylene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Anthracene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Benzo (a) anthracene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Benzo(a)pyrene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Benzo(b)fluoranthene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Benzo(g,h,i)perylene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-001 **Matrix:** SOLID

Client Sample ID TT-1: W-2 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Benzoic acid	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Benzyl alcohol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Bis(2-chloroethoxy)methane	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Bis(2-chloroethyl) ether	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Bis(2-chloroisopropyl) ether	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Butyl benzyl phthalate	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Chrysene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Dibenz(a,h)anthracene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Dibenzofuran	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Diethyl phthalate	4.86	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Dimethyl phthalate	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Di-n-butyl phthalate	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Di-n-octyl phthalate	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Fluoranthene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Fluorene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Hexachlorobenzene	23.9	12.0		mg/Kg-dry	10	11/13/2009 1:00:00 PM
Hexachlorobutadiene	16.5	12.0		mg/Kg-dry	10	11/13/2009 1:00:00 PM
Hexachlorocyclopentadiene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Hexachloroethane	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Isophorone	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Naphthalene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Nitrobenzene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
N-Nitrosodi-n-propylamine	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
N-Nitrosodiphenylamine	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Pentachlorophenol	ND	6.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Phenanthrene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Phenol	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Pyrene	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Pyridine	ND	1.20		mg/Kg-dry	1	11/12/2009 11:40:00 PM
Surr: 2,4,6-Tribromophenol	190	19-122	S	%REC	1	11/12/2009 11:40:00 PM
Surr: 2-Fluorobiphenyl	79.9	30-115		%REC	1	11/12/2009 11:40:00 PM

Qualifiers:

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H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-001 **Matrix:** SOLID

Client Sample ID TT-1: W-2 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	50.7	25-121		%REC	1	11/12/2009 11:40:00 PM
Surr: Nitrobenzene-d5	65.4	23-120		%REC	1	11/12/2009 11:40:00 PM
Surr: Phenol-d6	56.9	24-113		%REC	1	11/12/2009 11:40:00 PM
Surr: Terphenyl-d14	105	18-137		%REC	1	11/12/2009 11:40:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
1,1,2,2-Tetrachloroethane	585	208		mg/Kg-dry	34247	11/9/2009 2:51:00 PM
1,1,2-Trichloroethane	10.5	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
1,1-Dichloroethane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
1,1-Dichloroethene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
1,2-Dichloroethane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
1,2-Dichloropropane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
2-Hexanone	ND	52.0		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
4-Methyl-2-pentanone	ND	10.4		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Acetone	ND	52.0		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Benzene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Bromodichloromethane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Bromoform	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Bromomethane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Carbon disulfide	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Carbon tetrachloride	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Chlorobenzene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Chloroethane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Chloroform	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Chloromethane	ND	5.20		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
cis-1,2-Dichloroethene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
cis-1,3-Dichloropropene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Dibromochloromethane	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Ethylbenzene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
m,p-Xylene	ND	5.20		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Methyl ethyl ketone	ND	10.4		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Methylene chloride	ND	10.4		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM

Qualifiers:

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DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-001 **Matrix:** SOLID

Client Sample ID TT-1: W-2 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Styrene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Tetrachloroethene	557	208		mg/Kg-dry	34247	11/9/2009 2:51:00 PM
Toluene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
trans-1,2-Dichloroethene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
trans-1,3-Dichloropropene	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Trichloroethene	389	208		mg/Kg-dry	34247	11/9/2009 2:51:00 PM
Vinyl acetate	ND	5.20		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Vinyl chloride	ND	2.60		mg/Kg-dry	428.1	11/6/2009 9:29:00 PM
Surr: 4-Bromofluorobenzene	111	74-121		%REC	428.1	11/6/2009 9:29:00 PM
Surr: Dibromofluoromethane	101	80-120		%REC	428.1	11/6/2009 9:29:00 PM
Surr: Toluene-d8	96.7	81-117		%REC	428.1	11/6/2009 9:29:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	17.7	0.500		wt%	1	11/9/2009 4:35:00 PM

Qualifiers:

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DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

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WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-002 **Matrix:** SOLID

Client Sample ID TT-1: B-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
1,2-Dichlorobenzene	2.69	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
1,3-Dichlorobenzene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
1,4-Dichlorobenzene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2,4,5-Trichlorophenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2,4,6-Trichlorophenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2,4-Dichlorophenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2,4-Dimethylphenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2,4-Dinitrophenol	ND	6.51		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2,4-Dinitrotoluene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2,6-Dinitrotoluene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2-Chloronaphthalene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2-Chlorophenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2-Methylnaphthalene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2-Methylphenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2-Nitroaniline	ND	6.51		mg/Kg-dry	1	11/13/2009 12:25:00 AM
2-Nitrophenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
3&4 Methylphenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
3,3'-Dichlorobenzidine	ND	2.53		mg/Kg-dry	1	11/13/2009 12:25:00 AM
3-Nitroaniline	ND	6.51		mg/Kg-dry	1	11/13/2009 12:25:00 AM
4,6-Dinitro-2-methylphenol	ND	6.51		mg/Kg-dry	1	11/13/2009 12:25:00 AM
4-Bromophenyl phenyl ether	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
4-Chloro-3-methylphenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
4-Chloroaniline	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
4-Chlorophenyl phenyl ether	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
4-Nitroaniline	ND	2.53		mg/Kg-dry	1	11/13/2009 12:25:00 AM
4-Nitrophenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Acenaphthene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Acenaphthylene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Anthracene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Benzo (a) anthracene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Benzo(a)pyrene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Benzo(b)fluoranthene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Benzo(g,h,i)perylene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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Analytical Report

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CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-002 **Matrix:** SOLID

Client Sample ID TT-1: B-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Benzoic acid	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Benzyl alcohol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Bis(2-chloroethoxy)methane	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Bis(2-chloroethyl) ether	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Bis(2-chloroisopropyl) ether	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Bis(2-ethylhexyl) phthalate	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Butyl benzyl phthalate	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Chrysene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Dibenz(a,h)anthracene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Dibenzofuran	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Diethyl phthalate	ND	12.6		mg/Kg-dry	10	11/13/2009 1:45:00 PM
Dimethyl phthalate	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Di-n-butyl phthalate	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Di-n-octyl phthalate	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Fluoranthene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Fluorene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Hexachlorobenzene	25.2	12.6		mg/Kg-dry	10	11/13/2009 1:45:00 PM
Hexachlorobutadiene	14.3	12.6		mg/Kg-dry	10	11/13/2009 1:45:00 PM
Hexachlorocyclopentadiene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Hexachloroethane	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Indeno(1,2,3-cd)pyrene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Isophorone	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Naphthalene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Nitrobenzene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
N-Nitrosodi-n-propylamine	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
N-Nitrosodiphenylamine	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Pentachlorophenol	ND	6.51		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Phenanthrene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Phenol	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Pyrene	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Pyridine	ND	1.26		mg/Kg-dry	1	11/13/2009 12:25:00 AM
Surr: 2,4,6-Tribromophenol	191	19-122	S	%REC	1	11/13/2009 12:25:00 AM
Surr: 2-Fluorobiphenyl	96.5	30-115		%REC	1	11/13/2009 12:25:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-002 **Matrix:** SOLID

Client Sample ID TT-1: B-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	50.2	25-121		%REC	1	11/13/2009 12:25:00 AM
Surr: Nitrobenzene-d5	67.1	23-120		%REC	1	11/13/2009 12:25:00 AM
Surr: Phenol-d6	56.4	24-113		%REC	1	11/13/2009 12:25:00 AM
Surr: Terphenyl-d14	107	18-137		%REC	1	11/13/2009 12:25:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
1,1,2,2-Tetrachloroethane	185	95.8		mg/Kg-dry	37559	11/9/2009 3:16:00 PM
1,1,2-Trichloroethane	19.6	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
1,1-Dichloroethane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
1,1-Dichloroethene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
1,2-Dichloroethane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
1,2-Dichloropropane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
2-Hexanone	ND	59.9		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
4-Methyl-2-pentanone	ND	12.0		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Acetone	ND	59.9		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Benzene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Bromodichloromethane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Bromoform	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Bromomethane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Carbon disulfide	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Carbon tetrachloride	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Chlorobenzene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Chloroethane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Chloroform	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Chloromethane	ND	5.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
cis-1,2-Dichloroethene	5.84	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
cis-1,3-Dichloropropene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Dibromochloromethane	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Ethylbenzene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
m,p-Xylene	ND	5.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Methyl ethyl ketone	ND	12.0		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Methylene chloride	ND	12.0		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/2/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-002 **Matrix:** SOLID

Client Sample ID TT-1: B-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Styrene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Tetrachloroethene	1,090	240		mg/Kg-dry	37559	11/9/2009 3:16:00 PM
Toluene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
trans-1,2-Dichloroethene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
trans-1,3-Dichloropropene	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Trichloroethene	1,260	240		mg/Kg-dry	37559	11/9/2009 3:16:00 PM
Vinyl acetate	ND	5.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Vinyl chloride	ND	2.99		mg/Kg-dry	469.5	11/6/2009 9:56:00 PM
Surr: 4-Bromofluorobenzene	115	74-121		%REC	469.5	11/6/2009 9:56:00 PM
Surr: Dibromofluoromethane	104	80-120		%REC	469.5	11/6/2009 9:56:00 PM
Surr: Toluene-d8	96.0	81-117		%REC	469.5	11/6/2009 9:56:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	21.6	0.500		wt%	1	11/9/2009 4:35:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 10:58:00 AM

Project: Detrex Corp/13811443

Lab ID: 0911061-003

Matrix: SOLID

Client Sample ID TT-2: B-4 (7-8)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
1,2-Dichlorobenzene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
1,3-Dichlorobenzene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
1,4-Dichlorobenzene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2,4,5-Trichlorophenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2,4,6-Trichlorophenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2,4-Dichlorophenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2,4-Dimethylphenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2,4-Dinitrophenol	ND	6.30		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2,4-Dinitrotoluene	1.23	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2,6-Dinitrotoluene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2-Chloronaphthalene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2-Chlorophenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2-Methylnaphthalene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2-Methylphenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2-Nitroaniline	ND	6.30		mg/Kg-dry	1	11/13/2009 11:30:00 AM
2-Nitrophenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
3&4 Methylphenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
3,3'-Dichlorobenzidine	ND	2.45		mg/Kg-dry	1	11/13/2009 11:30:00 AM
3-Nitroaniline	ND	6.30		mg/Kg-dry	1	11/13/2009 11:30:00 AM
4,6-Dinitro-2-methylphenol	ND	6.30		mg/Kg-dry	1	11/13/2009 11:30:00 AM
4-Bromophenyl phenyl ether	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
4-Chloro-3-methylphenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
4-Chloroaniline	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
4-Chlorophenyl phenyl ether	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
4-Nitroaniline	ND	2.45		mg/Kg-dry	1	11/13/2009 11:30:00 AM
4-Nitrophenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Acenaphthene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Acenaphthylene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Anthracene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Benzo (a) anthracene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Benzo(a)pyrene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Benzo(b)fluoranthene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Benzo(g,h,i)perylene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.
Collection Date: 11/3/2009 10:58:00 AM
Project: Detrex Corp/13811443
Lab ID: 0911061-003
Matrix: SOLID
Client Sample ID TT-2: B-4 (7-8)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Benzoic acid	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Benzyl alcohol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Bis(2-chloroethoxy)methane	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Bis(2-chloroethyl) ether	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Bis(2-chloroisopropyl) ether	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Bis(2-ethylhexyl) phthalate	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Butyl benzyl phthalate	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Chrysene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Dibenz(a,h)anthracene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Dibenzofuran	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Diethyl phthalate	3.83	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Dimethyl phthalate	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Di-n-butyl phthalate	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Di-n-octyl phthalate	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Fluoranthene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Fluorene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Hexachlorobenzene	6.15	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Hexachlorobutadiene	6.88	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Hexachlorocyclopentadiene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Hexachloroethane	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Indeno(1,2,3-cd)pyrene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Isophorone	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Naphthalene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Nitrobenzene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
N-Nitrosodi-n-propylamine	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
N-Nitrosodiphenylamine	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Pentachlorophenol	ND	6.30		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Phenanthrene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Phenol	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Pyrene	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Pyridine	ND	1.22		mg/Kg-dry	1	11/13/2009 11:30:00 AM
Surr: 2,4,6-Tribromophenol	175	19-122	S	%REC	1	11/13/2009 11:30:00 AM
Surr: 2-Fluorobiphenyl	82.5	30-115		%REC	1	11/13/2009 11:30:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 10:58:00 AM

Project: Detrex Corp/13811443

Lab ID: 0911061-003 **Matrix:** SOLID

Client Sample ID TT-2: B-4 (7-8)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	52.0	25-121		%REC	1	11/13/2009 11:30:00 AM
Surr: Nitrobenzene-d5	63.2	23-120		%REC	1	11/13/2009 11:30:00 AM
Surr: Phenol-d6	59.2	24-113		%REC	1	11/13/2009 11:30:00 AM
Surr: Terphenyl-d14	100	18-137		%REC	1	11/13/2009 11:30:00 AM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
1,1,2,2-Tetrachloroethane	72.6	43.0		mg/Kg-dry	34783	11/9/2009 3:42:00 PM
1,1,2-Trichloroethane	3.73	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
1,1-Dichloroethane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
1,1-Dichloroethene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
1,2-Dichloroethane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
1,2-Dichloropropane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
2-Hexanone	ND	53.7		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
4-Methyl-2-pentanone	ND	10.7		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Acetone	ND	53.7		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Benzene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Bromodichloromethane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Bromoform	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Bromomethane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Carbon disulfide	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Carbon tetrachloride	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Chlorobenzene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Chloroethane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Chloroform	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Chloromethane	ND	5.37		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
cis-1,2-Dichloroethene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
cis-1,3-Dichloropropene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Dibromochloromethane	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Ethylbenzene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
m,p-Xylene	ND	5.37		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Methyl ethyl ketone	ND	10.7		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Methylene chloride	ND	10.7		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Website:
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 10:58:00 AM

Project: Detrex Corp/13811443

Lab ID: 0911061-003 **Matrix:** SOLID

Client Sample ID TT-2: B-4 (7-8)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Styrene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Tetrachloroethene	821	215		mg/Kg-dry	34783	11/9/2009 3:42:00 PM
Toluene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
trans-1,2-Dichloroethene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
trans-1,3-Dichloropropene	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Trichloroethene	319	215		mg/Kg-dry	34783	11/9/2009 3:42:00 PM
Vinyl acetate	ND	5.37		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Vinyl chloride	ND	2.69		mg/Kg-dry	434.8	11/6/2009 10:23:00 PM
Surr: 4-Bromofluorobenzene	110	74-121		%REC	434.8	11/6/2009 10:23:00 PM
Surr: Dibromofluoromethane	104	80-120		%REC	434.8	11/6/2009 10:23:00 PM
Surr: Toluene-d8	95.9	81-117		%REC	434.8	11/6/2009 10:23:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	19.1	0.500		wt%	1	11/9/2009 4:35:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 4:50:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-004 **Matrix:** SOLID

Client Sample ID TT-2: E-1 (4-5)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
1,2-Dichlorobenzene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
1,3-Dichlorobenzene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
1,4-Dichlorobenzene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2,4,5-Trichlorophenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2,4,6-Trichlorophenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2,4-Dichlorophenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2,4-Dimethylphenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2,4-Dinitrophenol	ND	6.14		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2,4-Dinitrotoluene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2,6-Dinitrotoluene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2-Chloronaphthalene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2-Chlorophenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2-Methylnaphthalene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2-Methylphenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2-Nitroaniline	ND	6.14		mg/Kg-dry	1	11/13/2009 12:15:00 PM
2-Nitrophenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
3&4 Methylphenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
3,3'-Dichlorobenzidine	ND	2.38		mg/Kg-dry	1	11/13/2009 12:15:00 PM
3-Nitroaniline	ND	6.14		mg/Kg-dry	1	11/13/2009 12:15:00 PM
4,6-Dinitro-2-methylphenol	ND	6.14		mg/Kg-dry	1	11/13/2009 12:15:00 PM
4-Bromophenyl phenyl ether	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
4-Chloro-3-methylphenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
4-Chloroaniline	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
4-Chlorophenyl phenyl ether	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
4-Nitroaniline	ND	2.38		mg/Kg-dry	1	11/13/2009 12:15:00 PM
4-Nitrophenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Acenaphthene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Acenaphthylene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Anthracene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Benzo (a) anthracene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Benzo(a)pyrene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Benzo(b)fluoranthene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Benzo(g,h,i)perylene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.
Collection Date: 11/3/2009 4:50:00 PM
Project: Detrex Corp/13811443
Lab ID: 0911061-004
Matrix: SOLID
Client Sample ID TT-2: E-1 (4-5)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Benzoic acid	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Benzyl alcohol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Bis(2-chloroethoxy)methane	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Bis(2-chloroethyl) ether	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Bis(2-chloroisopropyl) ether	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Butyl benzyl phthalate	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Chrysene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Dibenz(a,h)anthracene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Dibenzofuran	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Diethyl phthalate	3.46	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Dimethyl phthalate	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Di-n-butyl phthalate	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Di-n-octyl phthalate	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Fluoranthene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Fluorene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Hexachlorobenzene	3.95	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Hexachlorobutadiene	5.68	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Hexachlorocyclopentadiene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Hexachloroethane	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Isophorone	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Naphthalene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Nitrobenzene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
N-Nitrosodi-n-propylamine	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
N-Nitrosodiphenylamine	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Pentachlorophenol	ND	6.14		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Phenanthrene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Phenol	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Pyrene	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Pyridine	ND	1.19		mg/Kg-dry	1	11/13/2009 12:15:00 PM
Surr: 2,4,6-Tribromophenol	166	19-122	S	%REC	1	11/13/2009 12:15:00 PM
Surr: 2-Fluorobiphenyl	80.1	30-115		%REC	1	11/13/2009 12:15:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 4:50:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-004 **Matrix:** SOLID

Client Sample ID TT-2: E-1 (4-5)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	46.5	25-121		%REC	1	11/13/2009 12:15:00 PM
Surr: Nitrobenzene-d5	57.9	23-120		%REC	1	11/13/2009 12:15:00 PM
Surr: Phenol-d6	55.0	24-113		%REC	1	11/13/2009 12:15:00 PM
Surr: Terphenyl-d14	97.6	18-137		%REC	1	11/13/2009 12:15:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
1,1,2,2-Tetrachloroethane	195	81.5		mg/Kg-dry	33841	11/9/2009 4:07:00 PM
1,1,2-Trichloroethane	4.24	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
1,1-Dichloroethane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
1,1-Dichloroethene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
1,2-Dichloroethane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
1,2-Dichloropropane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
2-Hexanone	ND	50.9		mg/Kg-dry	423	11/9/2009 6:13:00 PM
4-Methyl-2-pentanone	ND	10.2		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Acetone	ND	50.9		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Benzene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Bromodichloromethane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Bromoform	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Bromomethane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Carbon disulfide	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Carbon tetrachloride	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Chlorobenzene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Chloroethane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Chloroform	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Chloromethane	ND	5.09		mg/Kg-dry	423	11/9/2009 6:13:00 PM
cis-1,2-Dichloroethene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
cis-1,3-Dichloropropene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Dibromochloromethane	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Ethylbenzene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
m,p-Xylene	ND	5.09		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Methyl ethyl ketone	ND	10.2		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Methylene chloride	ND	10.2		mg/Kg-dry	423	11/9/2009 6:13:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 4:50:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-004 **Matrix:** SOLID

Client Sample ID TT-2: E-1 (4-5)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Styrene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Tetrachloroethene	288	81.5		mg/Kg-dry	33841	11/9/2009 4:07:00 PM
Toluene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
trans-1,2-Dichloroethene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
trans-1,3-Dichloropropene	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Trichloroethene	202	81.5		mg/Kg-dry	33841	11/9/2009 4:07:00 PM
Vinyl acetate	ND	5.09		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Vinyl chloride	ND	2.55		mg/Kg-dry	423	11/9/2009 6:13:00 PM
Surr: 4-Bromofluorobenzene	109	74-121		%REC	423	11/9/2009 6:13:00 PM
Surr: Dibromofluoromethane	104	80-120		%REC	423	11/9/2009 6:13:00 PM
Surr: Toluene-d8	95.1	81-117		%REC	423	11/9/2009 6:13:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	16.9	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
	PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 4:42:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-005

Matrix: SOLID

Client Sample ID TT-2: N-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
1,2-Dichlorobenzene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
1,3-Dichlorobenzene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
1,4-Dichlorobenzene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2,4,5-Trichlorophenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2,4,6-Trichlorophenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2,4-Dichlorophenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2,4-Dimethylphenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2,4-Dinitrophenol	ND	6.32		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2,4-Dinitrotoluene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2,6-Dinitrotoluene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2-Chloronaphthalene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2-Chlorophenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2-Methylnaphthalene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2-Methylphenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2-Nitroaniline	ND	6.32		mg/Kg-dry	1	11/13/2009 6:19:00 PM
2-Nitrophenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
3&4 Methylphenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
3,3'-Dichlorobenzidine	ND	2.45		mg/Kg-dry	1	11/13/2009 6:19:00 PM
3-Nitroaniline	ND	6.32		mg/Kg-dry	1	11/13/2009 6:19:00 PM
4,6-Dinitro-2-methylphenol	ND	6.32		mg/Kg-dry	1	11/13/2009 6:19:00 PM
4-Bromophenyl phenyl ether	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
4-Chloro-3-methylphenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
4-Chloroaniline	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
4-Chlorophenyl phenyl ether	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
4-Nitroaniline	ND	2.45		mg/Kg-dry	1	11/13/2009 6:19:00 PM
4-Nitrophenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Acenaphthene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Acenaphthylene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Anthracene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Benzo (a) anthracene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Benzo(a)pyrene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Benzo(b)fluoranthene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Benzo(g,h,i)perylene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 4:42:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-005 **Matrix:** SOLID

Client Sample ID TT-2: N-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Benzoic acid	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Benzyl alcohol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Bis(2-chloroethoxy)methane	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Bis(2-chloroethyl) ether	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Bis(2-chloroisopropyl) ether	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Butyl benzyl phthalate	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Chrysene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Dibenz(a,h)anthracene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Dibenzofuran	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Diethyl phthalate	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Dimethyl phthalate	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Di-n-butyl phthalate	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Di-n-octyl phthalate	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Fluoranthene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Fluorene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Hexachlorobenzene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Hexachlorobutadiene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Hexachlorocyclopentadiene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Hexachloroethane	1.32	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Isophorone	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Naphthalene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Nitrobenzene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
N-Nitrosodi-n-propylamine	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
N-Nitrosodiphenylamine	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Pentachlorophenol	ND	6.32		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Phenanthrene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Phenol	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Pyrene	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Pyridine	ND	1.23		mg/Kg-dry	1	11/13/2009 6:19:00 PM
Surr: 2,4,6-Tribromophenol	158	19-122	S	%REC	1	11/13/2009 6:19:00 PM
Surr: 2-Fluorobiphenyl	72.8	30-115		%REC	1	11/13/2009 6:19:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 4:42:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-005 **Matrix:** SOLID

Client Sample ID TT-2: N-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	49.1	25-121		%REC	1	11/13/2009 6:19:00 PM
Surr: Nitrobenzene-d5	58.0	23-120		%REC	1	11/13/2009 6:19:00 PM
Surr: Phenol-d6	56.4	24-113		%REC	1	11/13/2009 6:19:00 PM
Surr: Terphenyl-d14	95.4	18-137		%REC	1	11/13/2009 6:19:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
1,1,2,2-Tetrachloroethane	130	57.7		mg/Kg-dry	23256	11/9/2009 4:32:00 PM
1,1,2-Trichloroethane	2.80	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
1,1-Dichloroethane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
1,1-Dichloroethene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
1,2-Dichloroethane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
1,2-Dichloropropane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
2-Hexanone	ND	36.1		mg/Kg-dry	291	11/9/2009 6:38:00 PM
4-Methyl-2-pentanone	ND	7.21		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Acetone	ND	36.1		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Benzene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Bromodichloromethane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Bromoform	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Bromomethane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Carbon disulfide	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Carbon tetrachloride	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Chlorobenzene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Chloroethane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Chloroform	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Chloromethane	ND	3.61		mg/Kg-dry	291	11/9/2009 6:38:00 PM
cis-1,2-Dichloroethene	23.8	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
cis-1,3-Dichloropropene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Dibromochloromethane	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Ethylbenzene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
m,p-Xylene	ND	3.61		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Methyl ethyl ketone	ND	7.21		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Methylene chloride	ND	7.21		mg/Kg-dry	291	11/9/2009 6:38:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 4:42:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-005

Matrix: SOLID

Client Sample ID TT-2: N-1 (5-6)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Styrene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Tetrachloroethene	126	57.7		mg/Kg-dry	23256	11/9/2009 4:32:00 PM
Toluene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
trans-1,2-Dichloroethene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
trans-1,3-Dichloropropene	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Trichloroethene	99.4	57.7		mg/Kg-dry	23256	11/9/2009 4:32:00 PM
Vinyl acetate	ND	3.61		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Vinyl chloride	ND	1.80		mg/Kg-dry	291	11/9/2009 6:38:00 PM
Surr: 4-Bromofluorobenzene	111	74-121		%REC	291	11/9/2009 6:38:00 PM
Surr: Dibromofluoromethane	101	80-120		%REC	291	11/9/2009 6:38:00 PM
Surr: Toluene-d8	96.0	81-117		%REC	291	11/9/2009 6:38:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	19.3	0.500		wt%	1	11/12/2009 4:45:00 PM

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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 5:30:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-006

Matrix: SOLID

Client Sample ID EX-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
1,2-Dichlorobenzene	0.479	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
1,3-Dichlorobenzene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
1,4-Dichlorobenzene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2,4,5-Trichlorophenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2,4,6-Trichlorophenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2,4-Dichlorophenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2,4-Dimethylphenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2,4-Dinitrophenol	ND	2.13		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2,4-Dinitrotoluene	ND	4.14		mg/Kg-dry	10	11/16/2009 1:25:00 PM
2,6-Dinitrotoluene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2-Chloronaphthalene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2-Chlorophenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2-Methylnaphthalene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2-Methylphenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2-Nitroaniline	ND	2.13		mg/Kg-dry	1	11/13/2009 7:05:00 PM
2-Nitrophenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
3&4 Methylphenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
3,3'-Dichlorobenzidine	ND	0.828		mg/Kg-dry	1	11/13/2009 7:05:00 PM
3-Nitroaniline	ND	2.13		mg/Kg-dry	1	11/13/2009 7:05:00 PM
4,6-Dinitro-2-methylphenol	ND	2.13		mg/Kg-dry	1	11/13/2009 7:05:00 PM
4-Bromophenyl phenyl ether	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
4-Chloro-3-methylphenol	2.24	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
4-Chloroaniline	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
4-Chlorophenyl phenyl ether	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
4-Nitroaniline	ND	0.828		mg/Kg-dry	1	11/13/2009 7:05:00 PM
4-Nitrophenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Acenaphthene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Acenaphthylene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Anthracene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Benzo (a) anthracene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Benzo(a)pyrene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Benzo(b)fluoranthene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Benzo(g,h,i)perylene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.
Collection Date: 11/3/2009 5:30:00 PM
Project: Detrex Corp/13811443
Lab ID: 0911061-006
Matrix: SOLID
Client Sample ID EX-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Benzoic acid	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Benzyl alcohol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Bis(2-chloroethoxy)methane	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Bis(2-chloroethyl) ether	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Bis(2-chloroisopropyl) ether	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Butyl benzyl phthalate	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Chrysene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Dibenz(a,h)anthracene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Dibenzofuran	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Diethyl phthalate	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Dimethyl phthalate	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Di-n-butyl phthalate	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Di-n-octyl phthalate	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Fluoranthene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Fluorene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Hexachlorobenzene	12.4	4.14		mg/Kg-dry	10	11/16/2009 1:25:00 PM
Hexachlorobutadiene	11.5	4.14		mg/Kg-dry	10	11/16/2009 1:25:00 PM
Hexachlorocyclopentadiene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Hexachloroethane	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Isophorone	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Naphthalene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Nitrobenzene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
N-Nitrosodi-n-propylamine	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
N-Nitrosodiphenylamine	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Pentachlorophenol	ND	2.13		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Phenanthrene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Phenol	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Pyrene	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Pyridine	ND	0.414		mg/Kg-dry	1	11/13/2009 7:05:00 PM
Surr: 2,4,6-Tribromophenol	207	19-122	S	%REC	1	11/13/2009 7:05:00 PM
Surr: 2-Fluorobiphenyl	80.4	30-115		%REC	1	11/13/2009 7:05:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 5:30:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-006

Matrix: SOLID

Client Sample ID EX-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	53.2	25-121		%REC	1	11/13/2009 7:05:00 PM
Surr: Nitrobenzene-d5	86.0	23-120		%REC	1	11/13/2009 7:05:00 PM
Surr: Phenol-d6	61.0	24-113		%REC	1	11/13/2009 7:05:00 PM
Surr: Terphenyl-d14	101	18-137		%REC	1	11/13/2009 7:05:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
1,1,2,2-Tetrachloroethane	60.8	21.1		mg/Kg-dry	3311	11/9/2009 2:26:00 PM
1,1,2-Trichloroethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
1,1-Dichloroethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
1,1-Dichloroethene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
1,2-Dichloroethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
1,2-Dichloropropane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
2-Hexanone	ND	52.8		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
4-Methyl-2-pentanone	ND	10.6		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Acetone	ND	52.8		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Benzene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Bromodichloromethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Bromoform	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Bromomethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Carbon disulfide	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Carbon tetrachloride	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Chlorobenzene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Chloroethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Chloroform	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Chloromethane	ND	5.28		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
cis-1,2-Dichloroethene	9.29	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
cis-1,3-Dichloropropene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Dibromochloromethane	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Ethylbenzene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
m,p-Xylene	ND	5.28		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Methyl ethyl ketone	ND	10.6		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Methylene chloride	ND	10.6		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Website:
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 5:30:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-006 **Matrix:** SOLID

Client Sample ID EX-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Styrene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Tetrachloroethene	73.4	21.1		mg/Kg-dry	3311	11/9/2009 2:26:00 PM
Toluene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
trans-1,2-Dichloroethene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
trans-1,3-Dichloropropene	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Trichloroethene	72.4	21.1		mg/Kg-dry	3311	11/9/2009 2:26:00 PM
Vinyl acetate	ND	5.28		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Vinyl chloride	ND	2.64		mg/Kg-dry	413.9	11/6/2009 9:02:00 PM
Surr: 4-Bromofluorobenzene	107	74-121		%REC	413.9	11/6/2009 9:02:00 PM
Surr: Dibromofluoromethane	104	80-120		%REC	413.9	11/6/2009 9:02:00 PM
Surr: Toluene-d8	96.0	81-117		%REC	413.9	11/6/2009 9:02:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	21.6	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 5:36:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-007 **Matrix:** SOLID

Client Sample ID EX-2 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
1,2-Dichlorobenzene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
1,3-Dichlorobenzene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
1,4-Dichlorobenzene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2,4,5-Trichlorophenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2,4,6-Trichlorophenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2,4-Dichlorophenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2,4-Dimethylphenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2,4-Dinitrophenol	ND	2.11		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2,4-Dinitrotoluene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2,6-Dinitrotoluene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2-Chloronaphthalene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2-Chlorophenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2-Methylnaphthalene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2-Methylphenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2-Nitroaniline	ND	2.11		mg/Kg-dry	1	11/13/2009 7:49:00 PM
2-Nitrophenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
3&4 Methylphenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
3,3'-Dichlorobenzidine	ND	0.820		mg/Kg-dry	1	11/13/2009 7:49:00 PM
3-Nitroaniline	ND	2.11		mg/Kg-dry	1	11/13/2009 7:49:00 PM
4,6-Dinitro-2-methylphenol	ND	2.11		mg/Kg-dry	1	11/13/2009 7:49:00 PM
4-Bromophenyl phenyl ether	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
4-Chloro-3-methylphenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
4-Chloroaniline	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
4-Chlorophenyl phenyl ether	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
4-Nitroaniline	ND	0.820		mg/Kg-dry	1	11/13/2009 7:49:00 PM
4-Nitrophenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Acenaphthene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Acenaphthylene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Anthracene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Benzo (a) anthracene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Benzo(a)pyrene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Benzo(b)fluoranthene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Benzo(g,h,i)perylene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 5:36:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-007 **Matrix:** SOLID

Client Sample ID EX-2 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Benzoic acid	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Benzyl alcohol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Bis(2-chloroethoxy)methane	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Bis(2-chloroethyl) ether	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Bis(2-chloroisopropyl) ether	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Butyl benzyl phthalate	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Chrysene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Dibenz(a,h)anthracene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Dibenzofuran	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Diethyl phthalate	0.445	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Dimethyl phthalate	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Di-n-butyl phthalate	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Di-n-octyl phthalate	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Fluoranthene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Fluorene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Hexachlorobenzene	2.13	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Hexachlorobutadiene	ND	4.10		mg/Kg-dry	10	11/16/2009 2:11:00 PM
Hexachlorocyclopentadiene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Hexachloroethane	0.939	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Isophorone	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Naphthalene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Nitrobenzene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
N-Nitrosodi-n-propylamine	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
N-Nitrosodiphenylamine	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Pentachlorophenol	ND	2.11		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Phenanthrene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Phenol	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Pyrene	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Pyridine	ND	0.410		mg/Kg-dry	1	11/13/2009 7:49:00 PM
Surr: 2,4,6-Tribromophenol	168	19-122	S	%REC	1	11/13/2009 7:49:00 PM
Surr: 2-Fluorobiphenyl	85.6	30-115		%REC	1	11/13/2009 7:49:00 PM

Qualifiers:

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FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 5:36:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-007 **Matrix:** SOLID

Client Sample ID EX-2 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	51.0	25-121		%REC	1	11/13/2009 7:49:00 PM
Surr: Nitrobenzene-d5	64.5	23-120		%REC	1	11/13/2009 7:49:00 PM
Surr: Phenol-d6	56.4	24-113		%REC	1	11/13/2009 7:49:00 PM
Surr: Terphenyl-d14	108	18-137		%REC	1	11/13/2009 7:49:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
1,1,2,2-Tetrachloroethane	3.34	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
1,1,2-Trichloroethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
1,1-Dichloroethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
1,1-Dichloroethene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
1,2-Dichloroethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
1,2-Dichloropropane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
2-Hexanone	ND	48.9		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
4-Methyl-2-pentanone	ND	9.77		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Acetone	ND	48.9		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Benzene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Bromodichloromethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Bromoform	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Bromomethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Carbon disulfide	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Carbon tetrachloride	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Chlorobenzene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Chloroethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Chloroform	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Chloromethane	ND	4.89		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
cis-1,2-Dichloroethene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
cis-1,3-Dichloropropene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Dibromochloromethane	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Ethylbenzene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
m,p-Xylene	ND	4.89		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Methyl ethyl ketone	ND	9.77		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Methylene chloride	ND	9.77		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 5:36:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-007 **Matrix:** SOLID

Client Sample ID EX-2 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Styrene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Tetrachloroethene	7.96	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Toluene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
trans-1,2-Dichloroethene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
trans-1,3-Dichloropropene	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Trichloroethene	3.58	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Vinyl acetate	ND	4.89		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Vinyl chloride	ND	2.44		mg/Kg-dry	393.4	11/6/2009 6:47:00 PM
Surr: 4-Bromofluorobenzene	106	74-121		%REC	393.4	11/6/2009 6:47:00 PM
Surr: Dibromofluoromethane	104	80-120		%REC	393.4	11/6/2009 6:47:00 PM
Surr: Toluene-d8	98.1	81-117		%REC	393.4	11/6/2009 6:47:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	19.5	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
	PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 6:21:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-008 **Matrix:** SOLID

Client Sample ID EX-3 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
1,2-Dichlorobenzene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
1,3-Dichlorobenzene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
1,4-Dichlorobenzene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2,4,5-Trichlorophenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2,4,6-Trichlorophenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2,4-Dichlorophenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2,4-Dimethylphenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2,4-Dinitrophenol	ND	2.02		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2,4-Dinitrotoluene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2,6-Dinitrotoluene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2-Chloronaphthalene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2-Chlorophenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2-Methylnaphthalene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2-Methylphenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2-Nitroaniline	ND	2.02		mg/Kg-dry	1	11/13/2009 8:34:00 PM
2-Nitrophenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
3&4 Methylphenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
3,3'-Dichlorobenzidine	ND	0.783		mg/Kg-dry	1	11/13/2009 8:34:00 PM
3-Nitroaniline	ND	2.02		mg/Kg-dry	1	11/13/2009 8:34:00 PM
4,6-Dinitro-2-methylphenol	ND	2.02		mg/Kg-dry	1	11/13/2009 8:34:00 PM
4-Bromophenyl phenyl ether	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
4-Chloro-3-methylphenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
4-Chloroaniline	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
4-Chlorophenyl phenyl ether	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
4-Nitroaniline	ND	0.783		mg/Kg-dry	1	11/13/2009 8:34:00 PM
4-Nitrophenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Acenaphthene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Acenaphthylene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Anthracene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Benzo (a) anthracene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Benzo(a)pyrene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Benzo(b)fluoranthene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Benzo(g,h,i)perylene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 6:21:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-008 **Matrix:** SOLID

Client Sample ID EX-3 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Benzoic acid	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Benzyl alcohol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Bis(2-chloroethoxy)methane	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Bis(2-chloroethyl) ether	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Bis(2-chloroisopropyl) ether	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Butyl benzyl phthalate	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Chrysene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Dibenz(a,h)anthracene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Dibenzofuran	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Diethyl phthalate	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Dimethyl phthalate	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Di-n-butyl phthalate	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Di-n-octyl phthalate	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Fluoranthene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Fluorene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Hexachlorobenzene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Hexachlorobutadiene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Hexachlorocyclopentadiene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Hexachloroethane	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Isophorone	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Naphthalene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Nitrobenzene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
N-Nitrosodi-n-propylamine	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
N-Nitrosodiphenylamine	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Pentachlorophenol	ND	2.02		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Phenanthrene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Phenol	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Pyrene	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Pyridine	ND	0.391		mg/Kg-dry	1	11/13/2009 8:34:00 PM
Surr: 2,4,6-Tribromophenol	159	19-122	S	%REC	1	11/13/2009 8:34:00 PM
Surr: 2-Fluorobiphenyl	79.7	30-115		%REC	1	11/13/2009 8:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.
Collection Date: 11/3/2009 6:21:00 PM
Project: Detrex Corp/13811443
Lab ID: 0911061-008
Matrix: SOLID
Client Sample ID EX-3 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	52.8	25-121		%REC	1	11/13/2009 8:34:00 PM
Surr: Nitrobenzene-d5	65.1	23-120		%REC	1	11/13/2009 8:34:00 PM
Surr: Phenol-d6	59.9	24-113		%REC	1	11/13/2009 8:34:00 PM
Surr: Terphenyl-d14	97.6	18-137		%REC	1	11/13/2009 8:34:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
1,1,2,2-Tetrachloroethane	14.4	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
1,1,2-Trichloroethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
1,1-Dichloroethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
1,1-Dichloroethene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
1,2-Dichloroethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
1,2-Dichloropropane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
2-Hexanone	ND	45.8		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
4-Methyl-2-pentanone	ND	9.15		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Acetone	ND	45.8		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Benzene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Bromodichloromethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Bromoform	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Bromomethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Carbon disulfide	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Carbon tetrachloride	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Chlorobenzene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Chloroethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Chloroform	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Chloromethane	ND	4.58		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
cis-1,2-Dichloroethene	8.20	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
cis-1,3-Dichloropropene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Dibromochloromethane	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Ethylbenzene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
m,p-Xylene	ND	4.58		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Methyl ethyl ketone	ND	9.15		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Methylene chloride	ND	9.15		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 6:21:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-008

Matrix: SOLID

Client Sample ID EX-3 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Styrene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Tetrachloroethene	64.1	18.3		mg/Kg-dry	3086	11/9/2009 2:01:00 PM
Toluene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
trans-1,2-Dichloroethene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
trans-1,3-Dichloropropene	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Trichloroethene	98.0	18.3		mg/Kg-dry	3086	11/9/2009 2:01:00 PM
Vinyl acetate	ND	4.58		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Vinyl chloride	ND	2.29		mg/Kg-dry	385.8	11/6/2009 8:35:00 PM
Surr: 4-Bromofluorobenzene	107	74-121		%REC	385.8	11/6/2009 8:35:00 PM
Surr: Dibromofluoromethane	105	80-120		%REC	385.8	11/6/2009 8:35:00 PM
Surr: Toluene-d8	95.8	81-117		%REC	385.8	11/6/2009 8:35:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	15.7	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.
Project: Detrex Corp/13811443
Lab ID: 0911061-009
Client Sample ID EX-4 (0-1)

Collection Date: 11/3/2009 6:18:00 PM
Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
1,2-Dichlorobenzene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
1,3-Dichlorobenzene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
1,4-Dichlorobenzene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2,4,5-Trichlorophenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2,4,6-Trichlorophenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2,4-Dichlorophenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2,4-Dimethylphenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2,4-Dinitrophenol	ND	2.21		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2,4-Dinitrotoluene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2,6-Dinitrotoluene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2-Chloronaphthalene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2-Chlorophenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2-Methylnaphthalene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2-Methylphenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2-Nitroaniline	ND	2.21		mg/Kg-dry	1	11/13/2009 9:19:00 PM
2-Nitrophenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
3&4 Methylphenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
3,3'-Dichlorobenzidine	ND	0.857		mg/Kg-dry	1	11/13/2009 9:19:00 PM
3-Nitroaniline	ND	2.21		mg/Kg-dry	1	11/13/2009 9:19:00 PM
4,6-Dinitro-2-methylphenol	ND	2.21		mg/Kg-dry	1	11/13/2009 9:19:00 PM
4-Bromophenyl phenyl ether	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
4-Chloro-3-methylphenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
4-Chloroaniline	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
4-Chlorophenyl phenyl ether	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
4-Nitroaniline	ND	0.857		mg/Kg-dry	1	11/13/2009 9:19:00 PM
4-Nitrophenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Acenaphthene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Acenaphthylene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Anthracene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Benzo (a) anthracene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Benzo(a)pyrene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Benzo(b)fluoranthene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Benzo(g,h,i)perylene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.
Project: Detrex Corp/13811443
Lab ID: 0911061-009
Client Sample ID EX-4 (0-1)

Collection Date: 11/3/2009 6:18:00 PM
Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Benzoic acid	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Benzyl alcohol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Bis(2-chloroethoxy)methane	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Bis(2-chloroethyl) ether	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Bis(2-chloroisopropyl) ether	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Butyl benzyl phthalate	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Chrysene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Dibenz(a,h)anthracene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Dibenzofuran	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Diethyl phthalate	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Dimethyl phthalate	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Di-n-butyl phthalate	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Di-n-octyl phthalate	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Fluoranthene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Fluorene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Hexachlorobenzene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Hexachlorobutadiene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Hexachlorocyclopentadiene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Hexachloroethane	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Isophorone	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Naphthalene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Nitrobenzene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
N-Nitrosodi-n-propylamine	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
N-Nitrosodiphenylamine	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Pentachlorophenol	ND	2.21		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Phenanthrene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Phenol	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Pyrene	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Pyridine	ND	0.428		mg/Kg-dry	1	11/13/2009 9:19:00 PM
Surr: 2,4,6-Tribromophenol	182	19-122	S	%REC	1	11/13/2009 9:19:00 PM
Surr: 2-Fluorobiphenyl	79.2	30-115		%REC	1	11/13/2009 9:19:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 6:18:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-009 **Matrix:** SOLID

Client Sample ID EX-4 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	53.4	25-121		%REC	1	11/13/2009 9:19:00 PM
Surr: Nitrobenzene-d5	62.2	23-120		%REC	1	11/13/2009 9:19:00 PM
Surr: Phenol-d6	60.1	24-113		%REC	1	11/13/2009 9:19:00 PM
Surr: Terphenyl-d14	103	18-137		%REC	1	11/13/2009 9:19:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
1,1,2,2-Tetrachloroethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
1,1,2-Trichloroethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
1,1-Dichloroethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
1,1-Dichloroethene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
1,2-Dichloroethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
1,2-Dichloropropane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
2-Hexanone	ND	13.9		mg/Kg-dry	107	11/10/2009 5:13:00 PM
4-Methyl-2-pentanone	ND	2.79		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Acetone	ND	13.9		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Benzene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Bromodichloromethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Bromoform	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Bromomethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Carbon disulfide	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Carbon tetrachloride	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Chlorobenzene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Chloroethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Chloroform	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Chloromethane	ND	1.39		mg/Kg-dry	107	11/10/2009 5:13:00 PM
cis-1,2-Dichloroethene	1.95	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
cis-1,3-Dichloropropene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Dibromochloromethane	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Ethylbenzene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
m,p-Xylene	ND	1.39		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Methyl ethyl ketone	ND	2.79		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Methylene chloride	ND	2.79		mg/Kg-dry	107	11/10/2009 5:13:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 6:18:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-009

Matrix: SOLID

Client Sample ID EX-4 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Styrene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Tetrachloroethene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Toluene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
trans-1,2-Dichloroethene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
trans-1,3-Dichloropropene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Trichloroethene	ND	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Vinyl acetate	ND	1.39		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Vinyl chloride	0.832	0.697		mg/Kg-dry	107	11/10/2009 5:13:00 PM
Surr: 4-Bromofluorobenzene	111	74-121		%REC	107	11/10/2009 5:13:00 PM
Surr: Dibromofluoromethane	97.0	80-120		%REC	107	11/10/2009 5:13:00 PM
Surr: Toluene-d8	99.8	81-117		%REC	107	11/10/2009 5:13:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	23.2	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:

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DF	Dilution Factor	E	Value above quantitation range
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WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 6:10:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-010 **Matrix:** SOLID

Client Sample ID EX-5 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
1,2-Dichlorobenzene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
1,3-Dichlorobenzene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
1,4-Dichlorobenzene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2,4,5-Trichlorophenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2,4,6-Trichlorophenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2,4-Dichlorophenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2,4-Dimethylphenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2,4-Dinitrophenol	ND	2.03		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2,4-Dinitrotoluene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2,6-Dinitrotoluene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2-Chloronaphthalene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2-Chlorophenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2-Methylnaphthalene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2-Methylphenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2-Nitroaniline	ND	2.03		mg/Kg-dry	1	11/16/2009 6:19:00 PM
2-Nitrophenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
3&4 Methylphenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
3,3'-Dichlorobenzidine	ND	0.788		mg/Kg-dry	1	11/16/2009 6:19:00 PM
3-Nitroaniline	ND	2.03		mg/Kg-dry	1	11/16/2009 6:19:00 PM
4,6-Dinitro-2-methylphenol	ND	2.03		mg/Kg-dry	1	11/16/2009 6:19:00 PM
4-Bromophenyl phenyl ether	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
4-Chloro-3-methylphenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
4-Chloroaniline	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
4-Chlorophenyl phenyl ether	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
4-Nitroaniline	ND	0.788		mg/Kg-dry	1	11/16/2009 6:19:00 PM
4-Nitrophenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Acenaphthene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Acenaphthylene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Anthracene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Benzo (a) anthracene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Benzo(a)pyrene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Benzo(b)fluoranthene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Benzo(g,h,i)perylene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM

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Project: Detrex Corp/13811443

Lab ID: 0911061-010 **Matrix:** SOLID

Client Sample ID EX-5 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Benzoic acid	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Benzyl alcohol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Bis(2-chloroethoxy)methane	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Bis(2-chloroethyl) ether	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Bis(2-chloroisopropyl) ether	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Butyl benzyl phthalate	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Chrysene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Dibenz(a,h)anthracene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Dibenzofuran	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Diethyl phthalate	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Dimethyl phthalate	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Di-n-butyl phthalate	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Di-n-octyl phthalate	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Fluoranthene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Fluorene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Hexachlorobenzene	1.50	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Hexachlorobutadiene	2.39	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Hexachlorocyclopentadiene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Hexachloroethane	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Isophorone	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Naphthalene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Nitrobenzene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
N-Nitrosodi-n-propylamine	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
N-Nitrosodiphenylamine	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Pentachlorophenol	ND	2.03		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Phenanthrene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Phenol	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Pyrene	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Pyridine	ND	0.394		mg/Kg-dry	1	11/16/2009 6:19:00 PM
Surr: 2,4,6-Tribromophenol	178	19-122	S	%REC	1	11/16/2009 6:19:00 PM
Surr: 2-Fluorobiphenyl	87.5	30-115		%REC	1	11/16/2009 6:19:00 PM

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Matrix: SOLID

Client Sample ID EX-5 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	57.5	25-121		%REC	1	11/16/2009 6:19:00 PM
Surr: Nitrobenzene-d5	70.0	23-120		%REC	1	11/16/2009 6:19:00 PM
Surr: Phenol-d6	60.6	24-113		%REC	1	11/16/2009 6:19:00 PM
Surr: Terphenyl-d14	109	18-137		%REC	1	11/16/2009 6:19:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
1,1,2,2-Tetrachloroethane	53.9	19.4		mg/Kg-dry	3257	11/10/2009 5:39:00 PM
1,1,2-Trichloroethane	3.58	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
1,1-Dichloroethane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
1,1-Dichloroethene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
1,2-Dichloroethane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
1,2-Dichloropropane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
2-Hexanone	ND	48.6		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
4-Methyl-2-pentanone	ND	9.72		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Acetone	ND	48.6		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Benzene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Bromodichloromethane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Bromoform	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Bromomethane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Carbon disulfide	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Carbon tetrachloride	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Chlorobenzene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Chloroethane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Chloroform	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Chloromethane	ND	4.86		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
cis-1,2-Dichloroethene	26.6	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
cis-1,3-Dichloropropene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Dibromochloromethane	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Ethylbenzene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
m,p-Xylene	ND	4.86		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Methyl ethyl ketone	ND	9.72		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Methylene chloride	ND	9.72		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM

Qualifiers:

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DF	Dilution Factor	E	Value above quantitation range
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Lab ID: 0911061-010 **Matrix:** SOLID

Client Sample ID EX-5 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Styrene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Tetrachloroethene	51.1	19.4		mg/Kg-dry	3257	11/10/2009 5:39:00 PM
Toluene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
trans-1,2-Dichloroethene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
trans-1,3-Dichloropropene	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Trichloroethene	183	19.4		mg/Kg-dry	3257	11/10/2009 5:39:00 PM
Vinyl acetate	ND	4.86		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Vinyl chloride	ND	2.43		mg/Kg-dry	407.2	11/9/2009 7:03:00 PM
Surr: 4-Bromofluorobenzene	106	74-121		%REC	407.2	11/9/2009 7:03:00 PM
Surr: Dibromofluoromethane	104	80-120		%REC	407.2	11/9/2009 7:03:00 PM
Surr: Toluene-d8	96.6	81-117		%REC	407.2	11/9/2009 7:03:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	16.2	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:

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CLIENT: URS Corp.
Project: Detrex Corp/13811443
Lab ID: 0911061-011
Client Sample ID EX-6 (0-1)

Collection Date: 11/3/2009 6:15:00 PM
Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
1,2-Dichlorobenzene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
1,3-Dichlorobenzene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
1,4-Dichlorobenzene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2,4,5-Trichlorophenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2,4,6-Trichlorophenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2,4-Dichlorophenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2,4-Dimethylphenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2,4-Dinitrophenol	ND	6.18		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2,4-Dinitrotoluene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2,6-Dinitrotoluene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2-Chloronaphthalene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2-Chlorophenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2-Methylnaphthalene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2-Methylphenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2-Nitroaniline	ND	6.18		mg/Kg-dry	1	11/16/2009 7:04:00 PM
2-Nitrophenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
3&4 Methylphenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
3,3'-Dichlorobenzidine	ND	2.40		mg/Kg-dry	1	11/16/2009 7:04:00 PM
3-Nitroaniline	ND	6.18		mg/Kg-dry	1	11/16/2009 7:04:00 PM
4,6-Dinitro-2-methylphenol	ND	6.18		mg/Kg-dry	1	11/16/2009 7:04:00 PM
4-Bromophenyl phenyl ether	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
4-Chloro-3-methylphenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
4-Chloroaniline	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
4-Chlorophenyl phenyl ether	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
4-Nitroaniline	ND	2.40		mg/Kg-dry	1	11/16/2009 7:04:00 PM
4-Nitrophenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Acenaphthene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Acenaphthylene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Anthracene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Benzo (a) anthracene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Benzo(a)pyrene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Benzo(b)fluoranthene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Benzo(g,h,i)perylene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date: 11/3/2009 6:15:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-011

Matrix: SOLID

Client Sample ID EX-6 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Benzoic acid	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Benzyl alcohol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Bis(2-chloroethoxy)methane	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Bis(2-chloroethyl) ether	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Bis(2-chloroisopropyl) ether	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Butyl benzyl phthalate	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Chrysene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Dibenz(a,h)anthracene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Dibenzofuran	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Diethyl phthalate	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Dimethyl phthalate	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Di-n-butyl phthalate	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Di-n-octyl phthalate	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Fluoranthene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Fluorene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Hexachlorobenzene	10.7	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Hexachlorobutadiene	4.05	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Hexachlorocyclopentadiene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Hexachloroethane	2.98	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Isophorone	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Naphthalene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Nitrobenzene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
N-Nitrosodi-n-propylamine	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
N-Nitrosodiphenylamine	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Pentachlorophenol	ND	6.18		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Phenanthrene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Phenol	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Pyrene	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Pyridine	ND	1.20		mg/Kg-dry	1	11/16/2009 7:04:00 PM
Surr: 2,4,6-Tribromophenol	182	19-122	S	%REC	1	11/16/2009 7:04:00 PM
Surr: 2-Fluorobiphenyl	88.0	30-115		%REC	1	11/16/2009 7:04:00 PM

Qualifiers:

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H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 6:15:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-011 **Matrix:** SOLID

Client Sample ID EX-6 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	58.1	25-121		%REC	1	11/16/2009 7:04:00 PM
Surr: Nitrobenzene-d5	72.7	23-120		%REC	1	11/16/2009 7:04:00 PM
Surr: Phenol-d6	65.0	24-113		%REC	1	11/16/2009 7:04:00 PM
Surr: Terphenyl-d14	106	18-137		%REC	1	11/16/2009 7:04:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
1,1,2,2-Tetrachloroethane	333	214		mg/Kg-dry	35026	11/10/2009 6:04:00 PM
1,1,2-Trichloroethane	10.4	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
1,1-Dichloroethane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
1,1-Dichloroethene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
1,2-Dichloroethane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
1,2-Dichloropropane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
2-Hexanone	ND	53.5		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
4-Methyl-2-pentanone	ND	10.7		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Acetone	ND	53.5		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Benzene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Bromodichloromethane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Bromoform	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Bromomethane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Carbon disulfide	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Carbon tetrachloride	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Chlorobenzene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Chloroethane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Chloroform	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Chloromethane	ND	5.35		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
cis-1,2-Dichloroethene	10.6	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
cis-1,3-Dichloropropene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Dibromochloromethane	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Ethylbenzene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
m,p-Xylene	ND	5.35		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Methyl ethyl ketone	ND	10.7		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Methylene chloride	ND	10.7		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Website:
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009 6:15:00 PM

Project: Detrex Corp/13811443

Lab ID: 0911061-011 **Matrix:** SOLID

Client Sample ID EX-6 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Styrene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Tetrachloroethene	564	214		mg/Kg-dry	35026	11/10/2009 6:04:00 PM
Toluene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
trans-1,2-Dichloroethene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
trans-1,3-Dichloropropene	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Trichloroethene	341	214		mg/Kg-dry	35026	11/10/2009 6:04:00 PM
Vinyl acetate	ND	5.35		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Vinyl chloride	ND	2.68		mg/Kg-dry	437.8	11/9/2009 7:28:00 PM
Surr: 4-Bromofluorobenzene	110	74-121		%REC	437.8	11/9/2009 7:28:00 PM
Surr: Dibromofluoromethane	102	80-120		%REC	437.8	11/9/2009 7:28:00 PM
Surr: Toluene-d8	97.0	81-117		%REC	437.8	11/9/2009 7:28:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	18.2	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/4/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-012 **Matrix:** SOLID

Client Sample ID EX-7 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
1,2-Dichlorobenzene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
1,3-Dichlorobenzene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
1,4-Dichlorobenzene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2,4,5-Trichlorophenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2,4,6-Trichlorophenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2,4-Dichlorophenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2,4-Dimethylphenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2,4-Dinitrophenol	ND	6.40		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2,4-Dinitrotoluene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2,6-Dinitrotoluene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2-Chloronaphthalene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2-Chlorophenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2-Methylnaphthalene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2-Methylphenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2-Nitroaniline	ND	6.40		mg/Kg-dry	1	11/16/2009 7:49:00 PM
2-Nitrophenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
3&4 Methylphenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
3,3'-Dichlorobenzidine	ND	2.49		mg/Kg-dry	1	11/16/2009 7:49:00 PM
3-Nitroaniline	ND	6.40		mg/Kg-dry	1	11/16/2009 7:49:00 PM
4,6-Dinitro-2-methylphenol	ND	6.40		mg/Kg-dry	1	11/16/2009 7:49:00 PM
4-Bromophenyl phenyl ether	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
4-Chloro-3-methylphenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
4-Chloroaniline	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
4-Chlorophenyl phenyl ether	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
4-Nitroaniline	ND	2.49		mg/Kg-dry	1	11/16/2009 7:49:00 PM
4-Nitrophenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Acenaphthene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Acenaphthylene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Anthracene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Benzo (a) anthracene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Benzo(a)pyrene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Benzo(b)fluoranthene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Benzo(g,h,i)perylene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/4/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-012 **Matrix:** SOLID

Client Sample ID EX-7 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Benzoic acid	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Benzyl alcohol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Bis(2-chloroethoxy)methane	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Bis(2-chloroethyl) ether	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Bis(2-chloroisopropyl) ether	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Butyl benzyl phthalate	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Chrysene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Dibenz(a,h)anthracene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Dibenzofuran	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Diethyl phthalate	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Dimethyl phthalate	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Di-n-butyl phthalate	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Di-n-octyl phthalate	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Fluoranthene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Fluorene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Hexachlorobenzene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Hexachlorobutadiene	30.9	12.4		mg/Kg-dry	10	11/17/2009 12:25:00 PM
Hexachlorocyclopentadiene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Hexachloroethane	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Isophorone	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Naphthalene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Nitrobenzene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
N-Nitrosodi-n-propylamine	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
N-Nitrosodiphenylamine	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Pentachlorophenol	ND	6.40		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Phenanthrene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Phenol	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Pyrene	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Pyridine	ND	1.24		mg/Kg-dry	1	11/16/2009 7:49:00 PM
Surr: 2,4,6-Tribromophenol	201	19-122	S	%REC	1	11/16/2009 7:49:00 PM
Surr: 2-Fluorobiphenyl	78.6	30-115		%REC	1	11/16/2009 7:49:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Website:
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/4/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-012 **Matrix:** SOLID

Client Sample ID EX-7 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	55.1	25-121		%REC	1	11/16/2009 7:49:00 PM
Surr: Nitrobenzene-d5	80.8	23-120		%REC	1	11/16/2009 7:49:00 PM
Surr: Phenol-d6	64.5	24-113		%REC	1	11/16/2009 7:49:00 PM
Surr: Terphenyl-d14	111	18-137		%REC	1	11/16/2009 7:49:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
1,1,2,2-Tetrachloroethane	173	20.9		mg/Kg-dry	3292	11/11/2009 2:01:00 PM
1,1,2-Trichloroethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
1,1-Dichloroethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
1,1-Dichloroethene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
1,2-Dichloroethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
1,2-Dichloropropane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
2-Hexanone	ND	5,210		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
4-Methyl-2-pentanone	ND	1,040		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Acetone	ND	5,210		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Benzene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Bromodichloromethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Bromoform	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Bromomethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Carbon disulfide	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Carbon tetrachloride	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Chlorobenzene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Chloroethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Chloroform	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Chloromethane	ND	521		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
cis-1,2-Dichloroethene	739	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
cis-1,3-Dichloropropene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Dibromochloromethane	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Ethylbenzene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
m,p-Xylene	ND	521		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Methyl ethyl ketone	ND	1,040		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Methylene chloride	ND	1,040		mg/Kg-dry	41105	11/10/2009 7:19:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/4/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-012 **Matrix:** SOLID

Client Sample ID EX-7 (2-3)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Styrene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Tetrachloroethene	201	20.9		mg/Kg-dry	3292	11/11/2009 2:01:00 PM
Toluene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
trans-1,2-Dichloroethene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
trans-1,3-Dichloropropene	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Trichloroethene	201	20.9		mg/Kg-dry	3292	11/11/2009 2:01:00 PM
Vinyl acetate	ND	521		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Vinyl chloride	ND	261		mg/Kg-dry	41105	11/10/2009 7:19:00 PM
Surr: 4-Bromofluorobenzene	111	74-121		%REC	41105	11/10/2009 7:19:00 PM
Surr: Dibromofluoromethane	103	80-120		%REC	41105	11/10/2009 7:19:00 PM
Surr: Toluene-d8	97.4	81-117		%REC	41105	11/10/2009 7:19:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	21.1	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-013 **Matrix:** SOLID

Client Sample ID DUP-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
1,2-Dichlorobenzene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
1,3-Dichlorobenzene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
1,4-Dichlorobenzene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2,4,5-Trichlorophenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2,4,6-Trichlorophenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2,4-Dichlorophenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2,4-Dimethylphenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2,4-Dinitrophenol	ND	6.55		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2,4-Dinitrotoluene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2,6-Dinitrotoluene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2-Chloronaphthalene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2-Chlorophenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2-Methylnaphthalene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2-Methylphenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2-Nitroaniline	ND	6.55		mg/Kg-dry	1	11/16/2009 8:34:00 PM
2-Nitrophenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
3&4 Methylphenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
3,3'-Dichlorobenzidine	ND	2.54		mg/Kg-dry	1	11/16/2009 8:34:00 PM
3-Nitroaniline	ND	6.55		mg/Kg-dry	1	11/16/2009 8:34:00 PM
4,6-Dinitro-2-methylphenol	ND	6.55		mg/Kg-dry	1	11/16/2009 8:34:00 PM
4-Bromophenyl phenyl ether	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
4-Chloro-3-methylphenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
4-Chloroaniline	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
4-Chlorophenyl phenyl ether	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
4-Nitroaniline	ND	2.54		mg/Kg-dry	1	11/16/2009 8:34:00 PM
4-Nitrophenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Acenaphthene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Acenaphthylene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Anthracene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Benzo (a) anthracene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Benzo(a)pyrene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Benzo(b)fluoranthene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Benzo(g,h,i)perylene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-013 **Matrix:** SOLID

Client Sample ID DUP-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Benzoic acid	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Benzyl alcohol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Bis(2-chloroethoxy)methane	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Bis(2-chloroethyl) ether	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Bis(2-chloroisopropyl) ether	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Butyl benzyl phthalate	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Chrysene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Dibenz(a,h)anthracene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Dibenzofuran	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Diethyl phthalate	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Dimethyl phthalate	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Di-n-butyl phthalate	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Di-n-octyl phthalate	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Fluoranthene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Fluorene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Hexachlorobenzene	1.89	1.27		mg/Kg-dry	1	11/17/2009 1:10:00 PM
Hexachlorobutadiene	ND	1.27		mg/Kg-dry	1	11/17/2009 1:10:00 PM
Hexachlorocyclopentadiene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Hexachloroethane	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Indeno(1,2,3-cd)pyrene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Isophorone	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Naphthalene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Nitrobenzene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
N-Nitrosodi-n-propylamine	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
N-Nitrosodiphenylamine	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Pentachlorophenol	ND	6.55		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Phenanthrene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Phenol	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Pyrene	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Pyridine	ND	1.27		mg/Kg-dry	1	11/16/2009 8:34:00 PM
Surr: 2,4,6-Tribromophenol	204	19-122	S	%REC	1	11/16/2009 8:34:00 PM
Surr: 2-Fluorobiphenyl	83.1	30-115		%REC	1	11/16/2009 8:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-013 **Matrix:** SOLID

Client Sample ID DUP-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	56.7	25-121		%REC	1	11/16/2009 8:34:00 PM
Surr: Nitrobenzene-d5	76.3	23-120		%REC	1	11/16/2009 8:34:00 PM
Surr: Phenol-d6	65.7	24-113		%REC	1	11/16/2009 8:34:00 PM
Surr: Terphenyl-d14	122	18-137		%REC	1	11/16/2009 8:34:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
1,1,2,2-Tetrachloroethane	115	21.5		mg/Kg-dry	3353	11/11/2009 2:26:00 PM
1,1,2-Trichloroethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
1,1-Dichloroethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
1,1-Dichloroethene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
1,2-Dichloroethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
1,2-Dichloropropane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
2-Hexanone	ND	53.8		mg/Kg-dry	419	11/10/2009 7:45:00 PM
4-Methyl-2-pentanone	ND	10.8		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Acetone	ND	53.8		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Benzene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Bromodichloromethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Bromoform	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Bromomethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Carbon disulfide	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Carbon tetrachloride	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Chlorobenzene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Chloroethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Chloroform	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Chloromethane	ND	5.38		mg/Kg-dry	419	11/10/2009 7:45:00 PM
cis-1,2-Dichloroethene	7.71	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
cis-1,3-Dichloropropene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Dibromochloromethane	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Ethylbenzene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
m,p-Xylene	ND	5.38		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Methyl ethyl ketone	ND	10.8		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Methylene chloride	ND	10.8		mg/Kg-dry	419	11/10/2009 7:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:** 11/3/2009

Project: Detrex Corp/13811443

Lab ID: 0911061-013 **Matrix:** SOLID

Client Sample ID DUP-1 (0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Styrene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Tetrachloroethene	163	21.5		mg/Kg-dry	3353	11/11/2009 2:26:00 PM
Toluene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
trans-1,2-Dichloroethene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
trans-1,3-Dichloropropene	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Trichloroethene	102	21.5		mg/Kg-dry	3353	11/11/2009 2:26:00 PM
Vinyl acetate	ND	5.38		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Vinyl chloride	ND	2.69		mg/Kg-dry	419	11/10/2009 7:45:00 PM
Surr: 4-Bromofluorobenzene	112	74-121		%REC	419	11/10/2009 7:45:00 PM
Surr: Dibromofluoromethane	106	80-120		%REC	419	11/10/2009 7:45:00 PM
Surr: Toluene-d8	98.4	81-117		%REC	419	11/10/2009 7:45:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **WSS**
Percent Moisture	22.2	0.500		wt%	1	11/12/2009 4:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded .	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
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Website:
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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp.

Collection Date:

Project: Detrex Corp/13811443

Lab ID: 0911061-014

Matrix: LIQUID

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
2-Hexanone	ND	0.0100		mg/L	1	11/5/2009 3:21:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	11/5/2009 3:21:00 PM
Acetone	ND	0.0500		mg/L	1	11/5/2009 3:21:00 PM
Benzene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Bromoform	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Bromomethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Chloroethane	ND	0.0100		mg/L	1	11/5/2009 3:21:00 PM
Chloroform	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Chloromethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	11/5/2009 3:21:00 PM
Methylene chloride	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
o-Xylene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Styrene	ND	0.0200		mg/L	1	11/5/2009 3:21:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Toluene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	11/5/2009 3:21:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Trichloroethene	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0911061**

Date Reported: **11/18/2009**

CLIENT: URS Corp. **Collection Date:**

Project: Detrex Corp/13811443

Lab ID: 0911061-014 **Matrix:** LIQUID

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	11/5/2009 3:21:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	11/5/2009 3:21:00 PM
Surr: 4-Bromofluorobenzene	106	86-115		%REC	1	11/5/2009 3:21:00 PM
Surr: Dibromofluoromethane	106	86-118		%REC	1	11/5/2009 3:21:00 PM
Surr: Toluene-d8	98.4	88-110		%REC	1	11/5/2009 3:21:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: 5513

Sample ID: **mb-5513**	SampType: **mblk**	TestCode: **sw_8270sol**	Units: **mg/Kg**	Prep Date: **11/10/2009**	RunNo: **12685**
Client ID: **PBS**	Batch ID: **5513**	TestNo: **SW8270C**		Analysis Date: **11/11/2009**	SeqNo: **158490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.330									
1,2-Dichlorobenzene	ND	0.330									
1,3-Dichlorobenzene	ND	0.330									
1,4-Dichlorobenzene	ND	0.330									
2,4,5-Trichlorophenol	ND	0.330									
2,4,6-Trichlorophenol	ND	0.330									
2,4-Dichlorophenol	ND	0.330									
2,4-Dimethylphenol	ND	0.330									
2,4-Dinitrophenol	ND	1.70									
2,4-Dinitrotoluene	ND	0.330									
2,6-Dinitrotoluene	ND	0.330									
2-Chloronaphthalene	ND	0.330									
2-Chlorophenol	ND	0.330									
2-Methylnaphthalene	ND	0.330									
2-Methylphenol	ND	0.330									
2-Nitroaniline	ND	1.70									
2-Nitrophenol	ND	0.330									
3&4 Methylphenol	ND	0.330									
3,3'-Dichlorobenzidine	ND	0.660									
3-Nitroaniline	ND	1.70									
4,6-Dinitro-2-methylphenol	ND	1.70									
4-Bromophenyl phenyl ether	ND	0.330									
4-Chloro-3-methylphenol	ND	0.330									
4-Chloroaniline	ND	0.330									
4-Chlorophenyl phenyl ether	ND	0.330									
4-Nitroaniline	ND	0.660									
4-Nitrophenol	ND	0.330									
Acenaphthene	ND	0.330									
Acenaphthylene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: 5513

Sample ID: mb-5513	SampType: mblk	TestCode: sw_8270sol	Units: mg/Kg	Prep Date: 11/10/2009	RunNo: 12685
Client ID: PBS	Batch ID: 5513	TestNo: SW8270C		Analysis Date: 11/11/2009	SeqNo: 158490

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	0.330									
Benzo (a) anthracene	ND	0.330									
Benzo(a)pyrene	ND	0.330									
Benzo(b)fluoranthene	ND	0.330									
Benzo(g,h,i)perylene	ND	0.330									
Benzo(k)fluoranthene	ND	0.330									
Benzoic acid	ND	0.330									
Benzyl alcohol	ND	0.330									
Bis(2-chloroethoxy)methane	ND	0.330									
Bis(2-chloroethyl) ether	ND	0.330									
Bis(2-chloroisopropyl) ether	ND	0.330									
Bis(2-ethylhexyl) phthalate	ND	0.330									
Butyl benzyl phthalate	ND	0.330									
Chrysene	ND	0.330									
Dibenz(a,h)anthracene	ND	0.330									
Dibenzofuran	ND	0.330									
Diethyl phthalate	ND	0.330									
Dimethyl phthalate	ND	0.330									
Di-n-butyl phthalate	ND	0.330									
Di-n-octyl phthalate	ND	0.330									
Fluoranthene	ND	0.330									
Fluorene	ND	0.330									
Hexachlorobenzene	ND	0.330									
Hexachlorobutadiene	ND	0.330									
Hexachlorocyclopentadiene	ND	0.330									
Hexachloroethane	ND	0.330									
Indeno(1,2,3-cd)pyrene	ND	0.330									
Isophorone	ND	0.330									
Naphthalene	ND	0.330									
Nitrobenzene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: 5513

Sample ID: **mb-5513** SampType: **mblk** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/10/2009** RunNo: **12685**
Client ID: **PBS** Batch ID: **5513** TestNo: **SW8270C** Analysis Date: **11/11/2009** SeqNo: **158490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	ND	0.330									
N-Nitrosodiphenylamine	ND	0.330									
Pentachlorophenol	ND	1.70									
Phenanthrene	ND	0.330									
Phenol	ND	0.330									
Pyrene	ND	0.330									
Pyridine	ND	0.330									
Surr: 2,4,6-Tribromophenol	5.44		3.330		163	19	122				S
Surr: 2-Fluorobiphenyl	2.85		3.330		85.5	30	115				
Surr: 2-Fluorophenol	2.21		3.330		66.4	25	121				
Surr: Nitrobenzene-d5	2.39		3.330		71.9	23	120				
Surr: Phenol-d6	2.38		3.330		71.3	24	113				
Surr: Terphenyl-d14	3.20		3.330		96.2	18	137				

Sample ID: **lcs-5513** SampType: **lcs** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/10/2009** RunNo: **12685**
Client ID: **LCSS** Batch ID: **5513** TestNo: **SW8270C** Analysis Date: **11/11/2009** SeqNo: **158491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.22	0.330	3.330	0	66.7	44	142				
1,4-Dichlorobenzene	1.93	0.330	3.330	0	58.1	20	124				
2,4-Dinitrotoluene	2.53	0.330	3.330	0	76.1	39	139				
2-Chlorophenol	2.30	0.330	3.330	0	69.1	23	134				
4-Chloro-3-methylphenol	2.78	0.330	3.330	0	83.5	22	147				
4-Nitrophenol	1.25	0.330	3.330	0	37.6	1	132				
Acenaphthene	3.28	0.330	3.330	0	98.6	47	145				
N-Nitrosodi-n-propylamine	2.64	0.330	3.330	0	79.2	1	230				
Pentachlorophenol	2.90	1.70	3.330	0	87.0	14	176				
Phenol	2.52	0.330	3.330	0	75.7	5	112				
Pyrene	2.79	0.330	3.330	0	83.8	52	115				
Surr: 2,4,6-Tribromophenol	6.67		3.330		200	19	122				S

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: 5513

Sample ID: **lcs-5513** SampType: **lcs** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/10/2009** RunNo: **12685**
Client ID: **LCSS** Batch ID: **5513** TestNo: **SW8270C** Analysis Date: **11/11/2009** SeqNo: **158491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	3.31		3.330		99.5	30	115				
Surr: 2-Fluorophenol	2.08		3.330		62.6	25	121				
Surr: Nitrobenzene-d5	2.52		3.330		75.5	23	120				
Surr: Phenol-d6	2.51		3.330		75.2	24	113				
Surr: Terphenyl-d14	3.61		3.330		108	18	137				

Sample ID: **lcsd-5513** SampType: **lcsd** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/10/2009** RunNo: **12685**
Client ID: **LCSS02** Batch ID: **5513** TestNo: **SW8270C** Analysis Date: **11/11/2009** SeqNo: **158499**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.68	0.330	3.330	0	80.5	44	142	2.222	18.7	20	
1,4-Dichlorobenzene	2.35	0.330	3.330	0	70.5	20	124	1.934	19.3	20	
2,4-Dinitrotoluene	2.99	0.330	3.330	0	89.7	39	139	2.533	16.4	20	
2-Chlorophenol	2.82	0.330	3.330	0	84.6	23	134	2.300	20.2	20	R
4-Chloro-3-methylphenol	3.32	0.330	3.330	0	99.8	22	147	2.780	17.8	20	
4-Nitrophenol	1.47	0.330	3.330	0	44.2	1	132	1.253	16.0	20	
Acenaphthene	3.91	0.330	3.330	0	117	47	145	3.284	17.4	20	
N-Nitrosodi-n-propylamine	3.23	0.330	3.330	0	97.1	1	230	2.639	20.2	20	R
Pentachlorophenol	3.39	1.70	3.330	0	102	14	176	2.897	15.6	20	
Phenol	3.14	0.330	3.330	0	94.2	5	112	2.521	21.8	20	R
Pyrene	3.26	0.330	3.330	0	97.8	52	115	2.791	15.5	20	
Surr: 2,4,6-Tribromophenol	7.67		3.330		230	19	122		0	20	S
Surr: 2-Fluorobiphenyl	3.90		3.330		117	30	115		0	20	S
Surr: 2-Fluorophenol	2.58		3.330		77.4	25	121		0	20	
Surr: Nitrobenzene-d5	3.03		3.330		91.1	23	120		0	20	
Surr: Phenol-d6	3.11		3.330		93.3	24	113		0	20	
Surr: Terphenyl-d14	4.24		3.330		127	18	137		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: 5513

Sample ID: **0911061-007bms** SampType: **ms** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/10/2009** RunNo: **12685**
Client ID: **EX-2 (0-1)** Batch ID: **5513** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.98	0.407	4.108	0	72.5	44	142				
1,4-Dichlorobenzene	2.39	0.407	4.108	0	58.2	20	124				
2,4-Dinitrotoluene	3.06	0.407	4.108	0	74.4	39	139				
2-Chlorophenol	2.74	0.407	4.108	0	66.6	23	134				
4-Chloro-3-methylphenol	2.77	0.407	4.108	0.3340	59.3	22	147				
4-Nitrophenol	10.0	0.407	4.108	0	244	1	132				S
Acenaphthene	3.59	0.407	4.108	0	87.4	47	145				
N-Nitrosodi-n-propylamine	3.13	0.407	4.108	0	76.2	1	230				
Pentachlorophenol	3.29	2.10	4.108	0	80.2	14	176				
Phenol	3.05	0.407	4.108	0	74.3	5	112				
Pyrene	3.17	0.407	4.108	0	77.2	52	115				
Surr: 2,4,6-Tribromophenol	7.26		4.108		177	19	122				S
Surr: 2-Fluorobiphenyl	4.19		4.108		102	30	115				
Surr: 2-Fluorophenol	2.39		4.108		58.1	25	121				
Surr: Nitrobenzene-d5	3.21		4.108		78.1	23	120				
Surr: Phenol-d6	3.10		4.108		75.4	24	113				
Surr: Terphenyl-d14	4.15		4.108		101	18	137				

Sample ID: **0911061-007Bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/10/2009** RunNo: **12685**
Client ID: **EX-2 (0-1)** Batch ID: **5513** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.99	0.407	4.108	0	72.7	44	142	2.978	0.248	20	
1,4-Dichlorobenzene	2.44	0.407	4.108	0	59.4	20	124	2.393	1.97	20	
2,4-Dinitrotoluene	3.04	0.407	4.108	0	74.0	39	139	3.055	0.513	20	
2-Chlorophenol	2.83	0.407	4.108	0	68.8	23	134	2.738	3.22	20	
4-Chloro-3-methylphenol	2.83	0.407	4.108	0.3340	60.7	22	147	2.768	2.07	20	
4-Nitrophenol	9.94	0.407	4.108	0	242	1	132	10.04	0.996	20	S
Acenaphthene	3.60	0.407	4.108	0	87.6	47	145	3.589	0.240	20	
N-Nitrosodi-n-propylamine	3.14	0.407	4.108	0	76.5	1	230	3.131	0.328	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: 5513

Sample ID: **0911061-007Bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/10/2009** RunNo: **12685**
Client ID: **EX-2 (0-1)** Batch ID: **5513** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	3.33	2.10	4.108	0	81.2	14	176	3.293	1.27	20	
Phenol	3.14	0.407	4.108	0	76.5	5	112	3.051	2.97	20	
Pyrene	3.13	0.407	4.108	0	76.3	52	115	3.171	1.20	20	
Surr: 2,4,6-Tribromophenol	6.54		4.108		159	19	122		0	20	S
Surr: 2-Fluorobiphenyl	3.75		4.108		91.3	30	115		0	20	
Surr: 2-Fluorophenol	2.33		4.108		56.6	25	121		0	20	
Surr: Nitrobenzene-d5	2.90		4.108		70.6	23	120		0	20	
Surr: Phenol-d6	2.88		4.108		70.2	24	113		0	20	
Surr: Terphenyl-d14	3.76		4.108		91.5	18	137		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12507

Sample ID: blk	SampType: mblk	TestCode: sw_8260liq	Units: mg/L	Prep Date:	RunNo: 12507
Client ID: ZZZZZZ	Batch ID: R12507	TestNo: SW8260B		Analysis Date: 11/5/2009	SeqNo: 155784

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	ND	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12507

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12507**
Client ID: **ZZZZZZ** Batch ID: **R12507** TestNo: **SW8260B** Analysis Date: **11/5/2009** SeqNo: **155784**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	110		100.0		110	86	115				
Surr: Dibromofluoromethane	107		100.0		107	86	118				
Surr: Toluene-d8	99.8		100.0		99.8	88	110				

Sample ID: **lcs** SampType: **lcs** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12507**
Client ID: **ZZZZZZ** Batch ID: **R12507** TestNo: **SW8260B** Analysis Date: **11/5/2009** SeqNo: **155786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0205	0.00500	0.0200	0	102	75	125				
Benzene	0.0206	0.00500	0.0200	0	103	83	117				
Chlorobenzene	0.0213	0.00500	0.0200	0	107	77	123				
Toluene	0.0208	0.00500	0.0200	0	104	80	120				
Trichloroethene	0.0185	0.00500	0.0200	0	92.4	79	121				
Surr: 4-Bromofluorobenzene	112		100.0		112	86	115				
Surr: Dibromofluoromethane	107		100.0		107	86	118				
Surr: Toluene-d8	103		100.0		103	88	110				

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12507**
Client ID: **ZZZZZZ** Batch ID: **R12507** TestNo: **SW8260B** Analysis Date: **11/5/2009** SeqNo: **155787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0192	0.00500	0.0200	0	95.8	75	125	0.0205	6.61	20	
Benzene	0.0190	0.00500	0.0200	0	95.0	83	117	0.0206	8.18	20	
Chlorobenzene	0.0192	0.00500	0.0200	0	95.8	77	123	0.0213	10.8	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12507

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12507**
Client ID: **ZZZZZZ** Batch ID: **R12507** TestNo: **SW8260B** Analysis Date: **11/5/2009** SeqNo: **155787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.0188	0.00500	0.0200	0	94.0	80	120	0.0208	10.1	20	
Trichloroethene	0.0172	0.00500	0.0200	0	86.1	79	121	0.0185	7.06	20	
Surr: 4-Bromofluorobenzene	114		100.0		114	86	115		0	20	
Surr: Dibromofluoromethane	109		100.0		109	86	118		0	20	
Surr: Toluene-d8	104		100.0		104	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12626

Sample ID: **0911061-005AMS** SampType: **ms** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12626**
Client ID: **TT-2: N-1 (5-6)** Batch ID: **R12626** TestNo: **SW8260B** Analysis Date: **11/9/2009** SeqNo: **157733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	559	144	577	0	97.0	70	130				
Benzene	580	144	577	0	101	70	130				
Chlorobenzene	607	144	577	0	105	70	130				
Toluene	587	144	577	0	102	70	130				
Trichloroethene	606	144	577	0	105	70	130				
Surr: 4-Bromofluorobenzene	3,220,000		2,883,000		112	74	121				
Surr: Dibromofluoromethane	3,050,000		2,883,000		106	80	120				
Surr: Toluene-d8	2,910,000		2,883,000		101	81	117				

Sample ID: **0911061-005AMSD** SampType: **msd** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12626**
Client ID: **TT-2: N-1 (5-6)** Batch ID: **R12626** TestNo: **SW8260B** Analysis Date: **11/9/2009** SeqNo: **157734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	567	144	577	0	98.3	70	130	559	1.33	20	
Benzene	589	144	577	0	102	70	130	580	1.58	20	
Chlorobenzene	608	144	577	0	106	70	130	607	0.237	20	
Toluene	590	144	577	0	102	70	130	587	0.539	20	
Trichloroethene	627	144	577	0	109	70	130	606	3.42	20	
Surr: 4-Bromofluorobenzene	3,220,000		2,883,000		112	74	121		0	20	
Surr: Dibromofluoromethane	3,070,000		2,883,000		107	80	120		0	20	
Surr: Toluene-d8	2,940,000		2,883,000		102	81	117		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12626

Sample ID: blk	SampType: mblk	TestCode: sw_8260liq	Units: mg/L	Prep Date:	RunNo: 12626
Client ID: ZZZZZZ	Batch ID: R12626	TestNo: SW8260B		Analysis Date: 11/9/2009	SeqNo: 157678

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	ND	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12626

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12626**
Client ID: **ZZZZZZ** Batch ID: **R12626** TestNo: **SW8260B** Analysis Date: **11/9/2009** SeqNo: **157678**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	108		100.0		108	86	115				
Surr: Dibromofluoromethane	94.2		100.0		94.2	86	118				
Surr: Toluene-d8	99.3		100.0		99.3	88	110				

Sample ID: **lcs** SampType: **lcs** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12626**
Client ID: **ZZZZZZ** Batch ID: **R12626** TestNo: **SW8260B** Analysis Date: **11/9/2009** SeqNo: **157680**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0179	0.00500	0.0200	0	89.7	75	125				
Benzene	0.0189	0.00500	0.0200	0	94.5	83	117				
Chlorobenzene	0.0192	0.00500	0.0200	0	96.1	77	123				
Toluene	0.0189	0.00500	0.0200	0	94.6	80	120				
Trichloroethene	0.0173	0.00500	0.0200	0	86.3	79	121				
Surr: 4-Bromofluorobenzene	112		100.0		112	86	115				
Surr: Dibromofluoromethane	100		100.0		100	86	118				
Surr: Toluene-d8	101		100.0		101	88	110				

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12626**
Client ID: **ZZZZZZ** Batch ID: **R12626** TestNo: **SW8260B** Analysis Date: **11/9/2009** SeqNo: **157730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0187	0.00500	0.0200	0	93.7	75	125	0.0179	4.42	20	
Benzene	0.0196	0.00500	0.0200	0	97.8	83	117	0.0189	3.38	20	
Chlorobenzene	0.0199	0.00500	0.0200	0	99.6	77	123	0.0192	3.53	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12626

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12626**
Client ID: **ZZZZZZ** Batch ID: **R12626** TestNo: **SW8260B** Analysis Date: **11/9/2009** SeqNo: **157730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.0193	0.00500	0.0200	0	96.5	80	120	0.0189	1.99	20	
Trichloroethene	0.0178	0.00500	0.0200	0	89.2	79	121	0.0173	3.30	20	
Surr: 4-Bromofluorobenzene	114		100.0		114	86	115		0	20	
Surr: Dibromofluoromethane	99.7		100.0		99.7	86	118		0	20	
Surr: Toluene-d8	99.9		100.0		99.9	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12636

Sample ID: **LCS** SampType: **LCS** TestCode: **SW_8260sol** Units: **mg/Kg** Prep Date: RunNo: **12636**
Client ID: **LCSS** Batch ID: **R12636** TestNo: **SW8260B** Analysis Date: **11/6/2009** SeqNo: **158421**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0194	0.00500	0.0200	0	97.2	70	130				
Benzene	0.0206	0.00500	0.0200	0	103	70	130				
Chlorobenzene	0.0212	0.00500	0.0200	0	106	70	130				
Toluene	0.0207	0.00500	0.0200	0	103	70	130				
Trichloroethene	0.0190	0.00500	0.0200	0	94.8	70	130				
Surr: 4-Bromofluorobenzene	110		100.0		110	74	121				
Surr: Dibromofluoromethane	105		100.0		105	80	120				
Surr: Toluene-d8	102		100.0		102	81	117				

Sample ID: **LCSD** SampType: **LCSD** TestCode: **SW_8260sol** Units: **mg/Kg** Prep Date: RunNo: **12636**
Client ID: **LCSS02** Batch ID: **R12636** TestNo: **SW8260B** Analysis Date: **11/6/2009** SeqNo: **158422**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0195	0.00500	0.0200	0	97.5	70	130	0.0194	0.308	20	
Benzene	0.0201	0.00500	0.0200	0	100	70	130	0.0206	2.66	20	
Chlorobenzene	0.0196	0.00500	0.0200	0	97.9	70	130	0.0212	8.14	20	
Toluene	0.0195	0.00500	0.0200	0	97.5	70	130	0.0207	5.88	20	
Trichloroethene	0.0182	0.00500	0.0200	0	90.9	70	130	0.0190	4.15	20	
Surr: 4-Bromofluorobenzene	110		100.0		110	74	121		0	20	
Surr: Dibromofluoromethane	105		100.0		105	80	120		0	20	
Surr: Toluene-d8	102		100.0		102	81	117		0	20	

Sample ID: **0911061-007AMS** SampType: **ms** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12636**
Client ID: **EX-2 (0-1)** Batch ID: **R12636** TestNo: **SW8260B** Analysis Date: **11/6/2009** SeqNo: **158423**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	9.82	2.44	9.77	0	101	70	130				
Benzene	10.4	2.44	9.77	0	106	70	130				
Chlorobenzene	10.6	2.44	9.77	0	108	70	130				
Toluene	10.3	2.44	9.77	0	106	70	130				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12636

Sample ID: **0911061-007AMS** SampType: **ms** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12636**
Client ID: **EX-2 (0-1)** Batch ID: **R12636** TestNo: **SW8260B** Analysis Date: **11/6/2009** SeqNo: **158423**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	13.0	2.44	9.77	3,576	96.1	70	130				
Surr: 4-Bromofluorobenzene	55,700		48,850		114	74	121				
Surr: Dibromofluoromethane	51,600		48,850		106	80	120				
Surr: Toluene-d8	50,200		48,850		103	81	117				

Sample ID: **0911061-007AMSD** SampType: **msd** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12636**
Client ID: **EX-2 (0-1)** Batch ID: **R12636** TestNo: **SW8260B** Analysis Date: **11/6/2009** SeqNo: **158424**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	9.55	2.44	9.77	0	97.7	70	130	9.82	2.82	20	
Benzene	10.1	2.44	9.77	0	103	70	130	10.4	2.86	20	
Chlorobenzene	10.5	2.44	9.77	0	107	70	130	10.6	0.743	20	
Toluene	10.2	2.44	9.77	0	105	70	130	10.3	1.19	20	
Trichloroethene	12.9	2.44	9.77	3,576	95.5	70	130	13.0	0.453	20	
Surr: 4-Bromofluorobenzene	55,400		48,850		113	74	121		0	20	
Surr: Dibromofluoromethane	51,200		48,850		105	80	120		0	20	
Surr: Toluene-d8	50,500		48,850		103	81	117		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12636

Sample ID: **LCS** SampType: **LCS** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12636**
Client ID: **ZZZZZZ** Batch ID: **R12636** TestNo: **SW8260B** Analysis Date: **11/6/2009** SeqNo: **157802**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0194	0.00500	0.0200	0	97.2	75	125				
Benzene	0.0206	0.00500	0.0200	0	103	83	117				
Chlorobenzene	0.0212	0.00500	0.0200	0	106	77	123				
Toluene	0.0207	0.00500	0.0200	0	103	80	120				
Trichloroethene	0.0190	0.00500	0.0200	0	94.8	79	121				
Surr: 4-Bromofluorobenzene	110		100.0		110	86	115				
Surr: Dibromofluoromethane	105		100.0		105	86	118				
Surr: Toluene-d8	102		100.0		102	88	110				

Sample ID: **LCSD** SampType: **LCSD** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12636**
Client ID: **ZZZZZZ** Batch ID: **R12636** TestNo: **SW8260B** Analysis Date: **11/6/2009** SeqNo: **157803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0195	0.00500	0.0200	0	97.5	75	125	0.0194	0.308	20	
Benzene	0.0201	0.00500	0.0200	0	100	83	117	0.0206	2.66	20	
Chlorobenzene	0.0196	0.00500	0.0200	0	97.9	77	123	0.0212	8.14	20	
Toluene	0.0195	0.00500	0.0200	0	97.5	80	120	0.0207	5.88	20	
Trichloroethene	0.0182	0.00500	0.0200	0	90.9	79	121	0.0190	4.15	20	
Surr: 4-Bromofluorobenzene	110		100.0		110	86	115		0	20	
Surr: Dibromofluoromethane	105		100.0		105	86	118		0	20	
Surr: Toluene-d8	102		100.0		102	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12651

Sample ID: **0911039-001ADUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: RunNo: **12651**
Client ID: **ZZZZZZ** Batch ID: **R12651** TestNo: **D2216** Analysis Date: **11/9/2009** SeqNo: **157949**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	43.5	0.500						43.90	0.989	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12669

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12669**
Client ID: **ZZZZZZ** Batch ID: **R12669** TestNo: **SW8260B** Analysis Date: **11/10/2009** SeqNo: **158153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	ND	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12669

Sample ID: blk | SampType: mblk | TestCode: sw_8260liq | Units: mg/L | Prep Date: | RunNo: 12669
Client ID: ZZZZZZ | Batch ID: R12669 | TestNo: SW8260B | Analysis Date: 11/10/2009 | SeqNo: 158153

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	108		100.0		108	86	115				
Surr: Dibromofluoromethane	100		100.0		100	86	118				
Surr: Toluene-d8	103		100.0		103	88	110				

Sample ID: lcs | SampType: lcs | TestCode: sw_8260liq | Units: mg/L | Prep Date: | RunNo: 12669
Client ID: ZZZZZZ | Batch ID: R12669 | TestNo: SW8260B | Analysis Date: 11/10/2009 | SeqNo: 158155

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0182	0.00500	0.0200	0	90.8	75	125				
Benzene	0.0203	0.00500	0.0200	0	102	83	117				
Chlorobenzene	0.0210	0.00500	0.0200	0	105	77	123				
Toluene	0.0203	0.00500	0.0200	0	101	80	120				
Trichloroethene	0.0187	0.00500	0.0200	0	93.6	79	121				
Surr: 4-Bromofluorobenzene	110		100.0		110	86	115				
Surr: Dibromofluoromethane	102		100.0		102	86	118				
Surr: Toluene-d8	103		100.0		103	88	110				

Sample ID: lcsd | SampType: lcsd | TestCode: sw_8260liq | Units: mg/L | Prep Date: | RunNo: 12669
Client ID: ZZZZZZ | Batch ID: R12669 | TestNo: SW8260B | Analysis Date: 11/10/2009 | SeqNo: 158156

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0187	0.00500	0.0200	0	93.6	75	125	0.0182	3.09	20	
Benzene	0.0207	0.00500	0.0200	0	104	83	117	0.0203	1.90	20	
Chlorobenzene	0.0212	0.00500	0.0200	0	106	77	123	0.0210	1.28	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12669

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12669**
Client ID: **ZZZZZZ** Batch ID: **R12669** TestNo: **SW8260B** Analysis Date: **11/10/2009** SeqNo: **158156**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.0209	0.00500	0.0200	0	104	80	120	0.0203	3.06	20	
Trichloroethene	0.0188	0.00500	0.0200	0	93.8	79	121	0.0187	0.267	20	
Surr: 4-Bromofluorobenzene	110		100.0		110	86	115		0	20	
Surr: Dibromofluoromethane	104		100.0		104	86	118		0	20	
Surr: Toluene-d8	102		100.0		102	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12712

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12712**
Client ID: **ZZZZZZ** Batch ID: **R12712** TestNo: **SW8260B** Analysis Date: **11/11/2009** SeqNo: **158948**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	ND	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12712

Sample ID: blk | SampType: mblk | TestCode: sw_8260liq | Units: mg/L | Prep Date: | RunNo: 12712
Client ID: ZZZZZZ | Batch ID: R12712 | TestNo: SW8260B | Analysis Date: 11/11/2009 | SeqNo: 158948

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	106		100.0		106	86	115				
Surr: Dibromofluoromethane	111		100.0		111	86	118				
Surr: Toluene-d8	106		100.0		106	88	110				

Sample ID: lcs | SampType: lcs | TestCode: sw_8260liq | Units: mg/L | Prep Date: | RunNo: 12712
Client ID: ZZZZZZ | Batch ID: R12712 | TestNo: SW8260B | Analysis Date: 11/11/2009 | SeqNo: 158950

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0209	0.00500	0.0200	0	104	75	125				
Benzene	0.0206	0.00500	0.0200	0	103	83	117				
Chlorobenzene	0.0208	0.00500	0.0200	0	104	77	123				
Toluene	0.0207	0.00500	0.0200	0	103	80	120				
Trichloroethene	0.0184	0.00500	0.0200	0	92.1	79	121				
Surr: 4-Bromofluorobenzene	112		100.0		112	86	115				
Surr: Dibromofluoromethane	109		100.0		109	86	118				
Surr: Toluene-d8	103		100.0		103	88	110				

Sample ID: lcsd | SampType: lcsd | TestCode: sw_8260liq | Units: mg/L | Prep Date: | RunNo: 12712
Client ID: ZZZZZZ | Batch ID: R12712 | TestNo: SW8260B | Analysis Date: 11/11/2009 | SeqNo: 158951

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0211	0.00500	0.0200	0	105	75	125	0.0209	0.954	20	
Benzene	0.0211	0.00500	0.0200	0	105	83	117	0.0206	2.31	20	
Chlorobenzene	0.0218	0.00500	0.0200	0	109	77	123	0.0208	4.37	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/13811443

QC SUMMARY REPORT

BatchID: R12712

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **12712**
Client ID: **ZZZZZZ** Batch ID: **R12712** TestNo: **SW8260B** Analysis Date: **11/11/2009** SeqNo: **158951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.0214	0.00500	0.0200	0	107	80	120	0.0207	3.57	20	
Trichloroethene	0.0190	0.00500	0.0200	0	95.2	79	121	0.0184	3.31	20	
Surr: 4-Bromofluorobenzene	112		100.0		112	86	115		0	20	
Surr: Dibromofluoromethane	108		100.0		108	86	118		0	20	
Surr: Toluene-d8	104		100.0		104	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911061
Project: Detrex Corp/43811443

QC SUMMARY REPORT

BatchID: R12778

Sample ID: 0911061-007BDUP	SampType: DUP	TestCode: PMOIST	Units: wt%	Prep Date:	RunNo: 12778
Client ID: EX-2 (0-1)	Batch ID: R12778	TestNo: D2216		Analysis Date: 11/12/2009	SeqNo: 160087

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	20.4	0.500						19.47	4.74	20	

Qualifiers:					
	*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

Page 1 of 1

LABORATORY WORK ORDER # 0911061

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY	Martin Schmidt, URS Corporation
ADDRESS	1375 Euclid Avenue, Suite 600
CITY	Cleveland
STATE	OH
ZIP CODE	44115
PHONE NO.	216-622-2400
FAX NO.	216-622-2464
EMAIL:	Martin_Schmidt@URSCorp.com
PROJECT NAME/NUMBER	Detrex Corp / 13811443

INVOICE TO: NAME
ADDRESS
CITY | STATE | ZIP CODE
PHONE NO. | FAX NO.
PO#: | QUOTE #: 569 MR

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature

Special Instructions & QC Requirements (additional charge for QC): Also email to Peggy_Schuler@URSCorp.com

TEMP (°C) 6

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	VOC 5035-8260B	SVOC 8270C	MS/MSD		PID
1	TT-1: W-2 (2-3)	11/2/09			X	5	S	X	X		-1	4975
2	TT-1: B-1 (5-6)	11/2/09			X	5	S	X	X		-2	9268
3	TT-2: B-4 (7-8)	11/3/09	1058		X	5	S	X	X		-3	5598
4	TT-2: E-1 (4-5)	11/3/09	1650		X	5	S	X	X		-4	4729
5	TT-2: N-1 (5-6)	11/3/09	1642		X	5	S	X	X		-5	4637
6	EX-1 (0-1)	11/3/09	1730		X	5	S	X	X		-6	1796
7	EX-2 (0-1)	11/3/09	1736		X	5	S	X	X	X	-7	184
8	EX-3 (0-1)	11/3/09	1821		X	5	S	X	X		-8	829
9	EX-4 (0-1)	11/3/09	1818		X	5	S	X	X		-9	144
10	EX-5 (0-1)	11/3/09	1810		X	5	S	X	X		-10	3187
11	EX-6 (0-1)	11/3/09	1815		X	5	S	X	X		-11	4466
12	EX-7 (2-3)	11/4/09			X	5	S	X	X		-12	4692
13	DUP-1 (0-1)	11/3/09			X	5	S	X	X		-13	1000-4000

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
Antony Heitger (URS)		11/4/09	1505	Phil Byron		11/4/09	1640
Received by: (Signature)	**Relinquished by: (Signature)**	**Date**	**Time**	**Received in laboratory by: (Signature)**		**Date**	**Time**
						11/4/09	16:40

14	Trip Blank				X	1	A	X			-14

samplereceivinglog.xls

Precision Analytical, Inc.
Sample Receiving Summary Log

Work Order #: 09110101 Sample Custodian: MR

Date & Time Received: 11/4/09 16:40 Date & Time Logged-In: 11/5/09 10:20

Samples Dropped Off By: (✓) PAI ( ) UPS ( ) FedEx ( ) Client ( ) Airborne ( ) DHL ( ) Other _____

Samples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:
( ) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envaritage ( ) J.&H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: ( ) Aqueous ( ) Liquid ( ) Soil/Sludge ( ) Solid ( ) Oil ( ) Gas
( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no
Properly Filled Out (✓) yes ( ) no

Sample Containers: (✓) Glass (✓) VOA (✓) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag
( ) D.O. Bottle ( ) Sterile Bottle no pres.
All Present (✓) yes ( ) no ( ) na
Intact (✓) yes ( ) no ( ) na
Salvagable ( ) yes ( ) no ( ) na
# of containers: 69 HR

Sample Labels: Legible (✓) yes ( ) no ( ) na
Match COC (✓) yes ( ) no

Misc. Informantion: Preserved ( ) yes ( ) no (✓) na
On Ice/Cooling 6 °C (✓) yes ( ) no ( ) na
Past Hold Time ( ) yes (✓) no ( ) na
Contain Headspace ** ( ) yes ( ) no (✓) na
pH w/in range ( ) yes ( ) no (✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____
Phenol _____ TOC _____ TKN _____ Phos _____
Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:
Samples 1, 2, 12 & 13, no sample time provided
Sample 09110101-011A labeled EX-2(0-1),
corrected ID to EX-6(0-1)

if client is called provided information in the section above

Form Approved By:
Mark Kalmeyer: MK
Scott Bolam: SCB

Form#: 244
Rev#: 0
Eff. Date: 1/2/08

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

November 25, 2009

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115
TEL: (216) 622-2400
FAX: (216) 622-2464

RE: DETREX DS/13811443 Order No.: 0911276

Dear Martin Schmidt:

Precision Analytical, Inc. received 12 sample(s) on 11/10/2009 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Case Narrative

WO#: **0911276**
Date: **11/25/2009**

CLIENT: URS Corp.
Project: DETREX DS/13811443

QC Exceptions and Explanations:

Semi-Volatiles:

Surrogates (general): data is only flagged when any two surrogate compounds of either the acid or base/neutral fraction are out of compliance, or if any one surrogate is less than 10%. Also, high recovery with non-detect results; high bias QC does not affect non-detect results.

Volatiles:

LCS (Batch R13008): LCS had slightly high recovery for 1,1-Dichloroethene, and slightly high surrogate recovery for Dibromofluoromethane. LCS Dup was acceptable for both of these parameters. This analytical batch was only for certain compounds requiring dilutions. Original sample runs had no issues with LCS/LCS Dup. On examination of the data, this does not appear to be a signficant quality issue, as high recoveries were only marginal.

Method Blank (Batch R13008): Slightly high surrogate recovery for Dibromofluoromethane. As noted above, this does not appear to be a significant quality issue.

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 1:52:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-001 **Matrix:** SOIL

Client Sample ID EX-8 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
1,2-Dichlorobenzene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
1,3-Dichlorobenzene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
1,4-Dichlorobenzene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2,4,5-Trichlorophenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2,4,6-Trichlorophenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2,4-Dichlorophenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2,4-Dimethylphenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2,4-Dinitrophenol	ND	20.2		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2,4-Dinitrotoluene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2,6-Dinitrotoluene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2-Chloronaphthalene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2-Chlorophenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2-Methylnaphthalene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2-Methylphenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2-Nitroaniline	ND	20.2		mg/Kg-dry	10	11/24/2009 5:38:00 PM
2-Nitrophenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
3&4 Methylphenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
3,3'-Dichlorobenzidine	ND	7.83		mg/Kg-dry	10	11/24/2009 5:38:00 PM
3-Nitroaniline	ND	20.2		mg/Kg-dry	10	11/24/2009 5:38:00 PM
4,6-Dinitro-2-methylphenol	ND	20.2		mg/Kg-dry	10	11/24/2009 5:38:00 PM
4-Bromophenyl phenyl ether	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
4-Chloro-3-methylphenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
4-Chloroaniline	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
4-Chlorophenyl phenyl ether	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
4-Nitroaniline	ND	7.83		mg/Kg-dry	10	11/24/2009 5:38:00 PM
4-Nitrophenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Acenaphthene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Acenaphthylene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Anthracene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Benzo (a) anthracene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Benzo(a)pyrene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Benzo(b)fluoranthene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Benzo(g,h,i)perylene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 1:52:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-001

Matrix: SOIL

Client Sample ID EX-8 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Benzoic acid	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Benzyl alcohol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Bis(2-chloroethoxy)methane	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Bis(2-chloroethyl) ether	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Bis(2-chloroisopropyl) ether	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Bis(2-ethylhexyl) phthalate	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Butyl benzyl phthalate	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Chrysene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Dibenz(a,h)anthracene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Dibenzofuran	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Diethyl phthalate	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Dimethyl phthalate	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Di-n-butyl phthalate	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Di-n-octyl phthalate	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Fluoranthene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Fluorene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Hexachlorobenzene	53.7	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Hexachlorobutadiene	67.1	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Hexachlorocyclopentadiene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Hexachloroethane	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Indeno(1,2,3-cd)pyrene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Isophorone	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Naphthalene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Nitrobenzene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
N-Nitrosodi-n-propylamine	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
N-Nitrosodiphenylamine	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Pentachlorophenol	ND	20.2		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Phenanthrene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Phenol	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Pyrene	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Pyridine	ND	3.92		mg/Kg-dry	10	11/24/2009 5:38:00 PM
Surr: 2,4,6-Tribromophenol	157	19-122	S	%REC	10	11/24/2009 5:38:00 PM
Surr: 2-Fluorobiphenyl	26.7	30-115	S	%REC	10	11/24/2009 5:38:00 PM

Qualifiers:

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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 1:52:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-001 **Matrix:** SOIL

Client Sample ID EX-8 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	32.8	25-121		%REC	10	11/24/2009 5:38:00 PM
Surr: Nitrobenzene-d5	38.6	23-120		%REC	10	11/24/2009 5:38:00 PM
Surr: Phenol-d6	81.6	24-113		%REC	10	11/24/2009 5:38:00 PM
Surr: Terphenyl-d14	30.0	18-137		%REC	10	11/24/2009 5:38:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
1,1,2,2-Tetrachloroethane	352	20.8		mg/Kg-dry	3424.6	11/20/2009 1:50:00 PM
1,1,2-Trichloroethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
1,1-Dichloroethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
1,1-Dichloroethene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
1,2-Dichloroethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
1,2-Dichloropropane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
2-Hexanone	ND	51.7		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
4-Methyl-2-pentanone	ND	10.3		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Acetone	ND	51.7		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Benzene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Bromodichloromethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Bromoform	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Bromomethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Carbon disulfide	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Carbon tetrachloride	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Chlorobenzene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Chloroethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Chloroform	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Chloromethane	ND	5.17		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
cis-1,2-Dichloroethene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
cis-1,3-Dichloropropene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Dibromochloromethane	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Ethylbenzene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
m,p-Xylene	ND	5.17		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Methyl ethyl ketone	ND	10.3		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Methylene chloride	ND	10.3		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 1:52:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-001 **Matrix:** SOIL

Client Sample ID EX-8 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Styrene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Tetrachloroethene	250	20.8		mg/Kg-dry	3424.6	11/20/2009 1:50:00 PM
Toluene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
trans-1,2-Dichloroethene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
trans-1,3-Dichloropropene	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Trichloroethene	291	20.8		mg/Kg-dry	3424.6	11/20/2009 1:50:00 PM
Vinyl acetate	ND	5.17		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Vinyl chloride	ND	2.59		mg/Kg-dry	426.1	11/18/2009 4:58:00 PM
Surr: 4-Bromofluorobenzene	112	74-121		%REC	426.1	11/18/2009 4:58:00 PM
Surr: Dibromofluoromethane	89.2	80-120		%REC	426.1	11/18/2009 4:58:00 PM
Surr: Toluene-d8	94.3	81-117		%REC	426.1	11/18/2009 4:58:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	17.6	0.500		wt%	1	11/16/2009 4:55:00 PM

Qualifiers:				
	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

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WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 1:55:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-002
Matrix: SOIL
Client Sample ID EX-9 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
1,2-Dichlorobenzene	8.18	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
1,3-Dichlorobenzene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
1,4-Dichlorobenzene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2,4,5-Trichlorophenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2,4,6-Trichlorophenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2,4-Dichlorophenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2,4-Dimethylphenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2,4-Dinitrophenol	ND	20.4		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2,4-Dinitrotoluene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2,6-Dinitrotoluene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2-Chloronaphthalene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2-Chlorophenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2-Methylnaphthalene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2-Methylphenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2-Nitroaniline	ND	20.4		mg/Kg-dry	10	11/24/2009 4:53:00 PM
2-Nitrophenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
3&4 Methylphenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
3,3'-Dichlorobenzidine	ND	7.91		mg/Kg-dry	10	11/24/2009 4:53:00 PM
3-Nitroaniline	ND	20.4		mg/Kg-dry	10	11/24/2009 4:53:00 PM
4,6-Dinitro-2-methylphenol	ND	20.4		mg/Kg-dry	10	11/24/2009 4:53:00 PM
4-Bromophenyl phenyl ether	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
4-Chloro-3-methylphenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
4-Chloroaniline	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
4-Chlorophenyl phenyl ether	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
4-Nitroaniline	ND	7.91		mg/Kg-dry	10	11/24/2009 4:53:00 PM
4-Nitrophenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Acenaphthene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Acenaphthylene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Anthracene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Benzo (a) anthracene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Benzo(a)pyrene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Benzo(b)fluoranthene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Benzo(g,h,i)perylene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 1:55:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-002 **Matrix:** SOIL

Client Sample ID EX-9 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Benzoic acid	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Benzyl alcohol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Bis(2-chloroethoxy)methane	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Bis(2-chloroethyl) ether	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Bis(2-chloroisopropyl) ether	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Bis(2-ethylhexyl) phthalate	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Butyl benzyl phthalate	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Chrysene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Dibenz(a,h)anthracene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Dibenzofuran	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Diethyl phthalate	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Dimethyl phthalate	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Di-n-butyl phthalate	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Di-n-octyl phthalate	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Fluoranthene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Fluorene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Hexachlorobenzene	46.4	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Hexachlorobutadiene	56.9	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Hexachlorocyclopentadiene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Hexachloroethane	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Indeno(1,2,3-cd)pyrene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Isophorone	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Naphthalene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Nitrobenzene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
N-Nitrosodi-n-propylamine	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
N-Nitrosodiphenylamine	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Pentachlorophenol	ND	20.4		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Phenanthrene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Phenol	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Pyrene	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Pyridine	ND	3.96		mg/Kg-dry	10	11/24/2009 4:53:00 PM
Surr: 2,4,6-Tribromophenol	163	19-122	S	%REC	10	11/24/2009 4:53:00 PM
Surr: 2-Fluorobiphenyl	30.2	30-115		%REC	10	11/24/2009 4:53:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Website:
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 1:55:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-002
Matrix: SOIL
Client Sample ID EX-9 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	35.9	25-121		%REC	10	11/24/2009 4:53:00 PM
Surr: Nitrobenzene-d5	39.6	23-120		%REC	10	11/24/2009 4:53:00 PM
Surr: Phenol-d6	86.2	24-113		%REC	10	11/24/2009 4:53:00 PM
Surr: Terphenyl-d14	31.6	18-137		%REC	10	11/24/2009 4:53:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
1,1,2,2-Tetrachloroethane	123	39.7		mg/Kg-dry	6552	11/20/2009 2:24:00 PM
1,1,2-Trichloroethane	2.75	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
1,1-Dichloroethane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
1,1-Dichloroethene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
1,2-Dichloroethane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
1,2-Dichloropropane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
2-Hexanone	ND	49.6		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
4-Methyl-2-pentanone	ND	9.92		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Acetone	ND	49.6		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Benzene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Bromodichloromethane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Bromoform	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Bromomethane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Carbon disulfide	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Carbon tetrachloride	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Chlorobenzene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Chloroethane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Chloroform	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Chloromethane	ND	4.96		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
cis-1,2-Dichloroethene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
cis-1,3-Dichloropropene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Dibromochloromethane	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Ethylbenzene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
m,p-Xylene	ND	4.96		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Methyl ethyl ketone	ND	9.92		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Methylene chloride	ND	9.92		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 1:55:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-002 **Matrix:** SOIL

Client Sample ID EX-9 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Styrene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Tetrachloroethene	138	39.7		mg/Kg-dry	6552	11/20/2009 2:24:00 PM
Toluene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
trans-1,2-Dichloroethene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
trans-1,3-Dichloropropene	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Trichloroethene	182	39.7		mg/Kg-dry	6552	11/20/2009 2:24:00 PM
Vinyl acetate	ND	4.96		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Vinyl chloride	ND	2.48		mg/Kg-dry	409.5	11/18/2009 5:23:00 PM
Surr: 4-Bromofluorobenzene	118	74-121		%REC	409.5	11/18/2009 5:23:00 PM
Surr: Dibromofluoromethane	91.7	80-120		%REC	409.5	11/18/2009 5:23:00 PM
Surr: Toluene-d8	95.0	81-117		%REC	409.5	11/18/2009 5:23:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	17.4	0.500		wt%	1	11/16/2009 4:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 1:57:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-003 **Matrix:** SOIL

Client Sample ID EX-10 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
1,2-Dichlorobenzene	1.30	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
1,3-Dichlorobenzene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
1,4-Dichlorobenzene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2,4,5-Trichlorophenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2,4,6-Trichlorophenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2,4-Dichlorophenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2,4-Dimethylphenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2,4-Dinitrophenol	ND	2.03		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2,4-Dinitrotoluene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2,6-Dinitrotoluene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2-Chloronaphthalene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2-Chlorophenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2-Methylnaphthalene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2-Methylphenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2-Nitroaniline	ND	2.03		mg/Kg-dry	1	11/19/2009 9:34:00 PM
2-Nitrophenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
3&4 Methylphenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
3,3'-Dichlorobenzidine	ND	0.787		mg/Kg-dry	1	11/19/2009 9:34:00 PM
3-Nitroaniline	ND	2.03		mg/Kg-dry	1	11/19/2009 9:34:00 PM
4,6-Dinitro-2-methylphenol	ND	2.03		mg/Kg-dry	1	11/19/2009 9:34:00 PM
4-Bromophenyl phenyl ether	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
4-Chloro-3-methylphenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
4-Chloroaniline	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
4-Chlorophenyl phenyl ether	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
4-Nitroaniline	ND	0.787		mg/Kg-dry	1	11/19/2009 9:34:00 PM
4-Nitrophenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Acenaphthene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Acenaphthylene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Anthracene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Benzo (a) anthracene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Benzo(a)pyrene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Benzo(b)fluoranthene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Benzo(g,h,i)perylene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 1:57:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-003
Matrix: SOIL
Client Sample ID EX-10 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Benzoic acid	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Benzyl alcohol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Bis(2-chloroethoxy)methane	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Bis(2-chloroethyl) ether	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Bis(2-chloroisopropyl) ether	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Butyl benzyl phthalate	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Chrysene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Dibenz(a,h)anthracene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Dibenzofuran	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Diethyl phthalate	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Dimethyl phthalate	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Di-n-butyl phthalate	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Di-n-octyl phthalate	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Fluoranthene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Fluorene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Hexachlorobenzene	7.96	3.94		mg/Kg-dry	10	11/23/2009 11:22:00 AM
Hexachlorobutadiene	5.58	3.94		mg/Kg-dry	10	11/23/2009 11:22:00 AM
Hexachlorocyclopentadiene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Hexachloroethane	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Isophorone	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Naphthalene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Nitrobenzene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
N-Nitrosodi-n-propylamine	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
N-Nitrosodiphenylamine	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Pentachlorophenol	ND	2.03		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Phenanthrene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Phenol	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Pyrene	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Pyridine	ND	0.394		mg/Kg-dry	1	11/19/2009 9:34:00 PM
Surr: 2,4,6-Tribromophenol	228	19-122	S	%REC	1	11/19/2009 9:34:00 PM
Surr: 2-Fluorobiphenyl	35.8	30-115		%REC	1	11/19/2009 9:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 1:57:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-003 **Matrix:** SOIL

Client Sample ID EX-10 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	105	25-121		%REC	1	11/19/2009 9:34:00 PM
Surr: Nitrobenzene-d5	26.6	23-120		%REC	1	11/19/2009 9:34:00 PM
Surr: Phenol-d6	90.1	24-113		%REC	1	11/19/2009 9:34:00 PM
Surr: Terphenyl-d14	37.9	18-137		%REC	1	11/19/2009 9:34:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
1,1,2,2-Tetrachloroethane	155	22.5		mg/Kg-dry	3717.5	11/20/2009 2:59:00 PM
1,1,2-Trichloroethane	3.24	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
1,1-Dichloroethane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
1,1-Dichloroethene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
1,2-Dichloroethane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
1,2-Dichloropropane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
2-Hexanone	ND	56.2		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
4-Methyl-2-pentanone	ND	11.2		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Acetone	ND	56.2		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Benzene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Bromodichloromethane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Bromoform	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Bromomethane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Carbon disulfide	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Carbon tetrachloride	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Chlorobenzene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Chloroethane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Chloroform	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Chloromethane	ND	5.62		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
cis-1,2-Dichloroethene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
cis-1,3-Dichloropropene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Dibromochloromethane	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Ethylbenzene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
m,p-Xylene	ND	5.62		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Methyl ethyl ketone	ND	11.2		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Methylene chloride	ND	11.2		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 1:57:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-003

Matrix: SOIL

Client Sample ID EX-10 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Styrene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Tetrachloroethene	155	22.5		mg/Kg-dry	3717.5	11/20/2009 2:59:00 PM
Toluene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
trans-1,2-Dichloroethene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
trans-1,3-Dichloropropene	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Trichloroethene	151	22.5		mg/Kg-dry	3717.5	11/20/2009 2:59:00 PM
Vinyl acetate	ND	5.62		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Vinyl chloride	ND	2.81		mg/Kg-dry	464.7	11/18/2009 5:48:00 PM
Surr: 4-Bromofluorobenzene	114	74-121		%REC	464.7	11/18/2009 5:48:00 PM
Surr: Dibromofluoromethane	99.4	80-120		%REC	464.7	11/18/2009 5:48:00 PM
Surr: Toluene-d8	95.5	81-117		%REC	464.7	11/18/2009 5:48:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	17.3	0.500		wt%	1	11/16/2009 4:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 2:00:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-004

Matrix: SOIL

Client Sample ID EX-11 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
1,2-Dichlorobenzene	0.846	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
1,3-Dichlorobenzene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
1,4-Dichlorobenzene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2,4,5-Trichlorophenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2,4,6-Trichlorophenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2,4-Dichlorophenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2,4-Dimethylphenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2,4-Dinitrophenol	ND	2.02		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2,4-Dinitrotoluene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2,6-Dinitrotoluene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2-Chloronaphthalene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2-Chlorophenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2-Methylnaphthalene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2-Methylphenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2-Nitroaniline	ND	2.02		mg/Kg-dry	1	11/17/2009 3:20:00 AM
2-Nitrophenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
3&4 Methylphenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
3,3'-Dichlorobenzidine	ND	0.784		mg/Kg-dry	1	11/17/2009 3:20:00 AM
3-Nitroaniline	ND	2.02		mg/Kg-dry	1	11/17/2009 3:20:00 AM
4,6-Dinitro-2-methylphenol	ND	2.02		mg/Kg-dry	1	11/17/2009 3:20:00 AM
4-Bromophenyl phenyl ether	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
4-Chloro-3-methylphenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
4-Chloroaniline	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
4-Chlorophenyl phenyl ether	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
4-Nitroaniline	ND	0.784		mg/Kg-dry	1	11/17/2009 3:20:00 AM
4-Nitrophenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Acenaphthene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Acenaphthylene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Anthracene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Benzo (a) anthracene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Benzo(a)pyrene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Benzo(b)fluoranthene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Benzo(g,h,i)perylene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp. **Collection Date:** 11/9/2009 2:00:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-004 **Matrix:** SOIL

Client Sample ID EX-11 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Benzoic acid	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Benzyl alcohol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Bis(2-chloroethoxy)methane	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Bis(2-chloroethyl) ether	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Bis(2-chloroisopropyl) ether	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Butyl benzyl phthalate	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Chrysene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Dibenz(a,h)anthracene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Dibenzofuran	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Diethyl phthalate	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Dimethyl phthalate	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Di-n-butyl phthalate	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Di-n-octyl phthalate	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Fluoranthene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Fluorene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Hexachlorobenzene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Hexachlorobutadiene	3.62	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Hexachlorocyclopentadiene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Hexachloroethane	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Isophorone	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Naphthalene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Nitrobenzene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
N-Nitrosodi-n-propylamine	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
N-Nitrosodiphenylamine	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Pentachlorophenol	ND	2.02		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Phenanthrene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Phenol	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Pyrene	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Pyridine	ND	0.392		mg/Kg-dry	1	11/17/2009 3:20:00 AM
Surr: 2,4,6-Tribromophenol	210	19-122	S	%REC	1	11/17/2009 3:20:00 AM
Surr: 2-Fluorobiphenyl	36.6	30-115		%REC	1	11/17/2009 3:20:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Project: DETREX DS/13811443
Lab ID: 0911276-004
Client Sample ID EX-11 (1-2)

Collection Date: 11/9/2009 2:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	69.4	25-121		%REC	1	11/17/2009 3:20:00 AM
Surr: Nitrobenzene-d5	29.5	23-120		%REC	1	11/17/2009 3:20:00 AM
Surr: Phenol-d6	76.6	24-113		%REC	1	11/17/2009 3:20:00 AM
Surr: Terphenyl-d14	30.4	18-137		%REC	1	11/17/2009 3:20:00 AM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
1,1,2,2-Tetrachloroethane	35.8	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
1,1,2-Trichloroethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
1,1-Dichloroethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
1,1-Dichloroethene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
1,2-Dichloroethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
1,2-Dichloropropane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
2-Hexanone	ND	56.8		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
4-Methyl-2-pentanone	ND	11.4		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Acetone	ND	56.8		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Benzene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Bromodichloromethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Bromoform	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Bromomethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Carbon disulfide	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Carbon tetrachloride	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Chlorobenzene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Chloroethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Chloroform	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Chloromethane	ND	5.68		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
cis-1,2-Dichloroethene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
cis-1,3-Dichloropropene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Dibromochloromethane	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Ethylbenzene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
m,p-Xylene	ND	5.68		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Methyl ethyl ketone	ND	11.4		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Methylene chloride	ND	11.4		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Project: DETREX DS/13811443
Lab ID: 0911276-004
Client Sample ID EX-11 (1-2)

Collection Date: 11/9/2009 2:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Styrene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Tetrachloroethene	144	22.7		mg/Kg-dry	3766.5	11/20/2009 3:33:00 PM
Toluene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
trans-1,2-Dichloroethene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
trans-1,3-Dichloropropene	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Trichloroethene	237	22.7		mg/Kg-dry	3766.5	11/20/2009 3:33:00 PM
Vinyl acetate	ND	5.68		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Vinyl chloride	ND	2.84		mg/Kg-dry	470.8	11/18/2009 6:14:00 PM
Surr: 4-Bromofluorobenzene	109	74-121		%REC	470.8	11/18/2009 6:14:00 PM
Surr: Dibromofluoromethane	92.7	80-120		%REC	470.8	11/18/2009 6:14:00 PM
Surr: Toluene-d8	96.2	81-117		%REC	470.8	11/18/2009 6:14:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	17.2	0.500		wt%	1	11/16/2009 4:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:44:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-005

Matrix: SOIL

Client Sample ID EX-12 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
1,2-Dichlorobenzene	1.18	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
1,3-Dichlorobenzene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
1,4-Dichlorobenzene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2,4,5-Trichlorophenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2,4,6-Trichlorophenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2,4-Dichlorophenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2,4-Dimethylphenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2,4-Dinitrophenol	ND	2.11		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2,4-Dinitrotoluene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2,6-Dinitrotoluene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2-Chloronaphthalene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2-Chlorophenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2-Methylnaphthalene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2-Methylphenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2-Nitroaniline	ND	2.11		mg/Kg-dry	1	11/17/2009 4:05:00 AM
2-Nitrophenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
3&4 Methylphenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
3,3'-Dichlorobenzidine	ND	0.821		mg/Kg-dry	1	11/17/2009 4:05:00 AM
3-Nitroaniline	ND	2.11		mg/Kg-dry	1	11/17/2009 4:05:00 AM
4,6-Dinitro-2-methylphenol	ND	2.11		mg/Kg-dry	1	11/17/2009 4:05:00 AM
4-Bromophenyl phenyl ether	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
4-Chloro-3-methylphenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
4-Chloroaniline	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
4-Chlorophenyl phenyl ether	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
4-Nitroaniline	ND	0.821		mg/Kg-dry	1	11/17/2009 4:05:00 AM
4-Nitrophenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Acenaphthene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Acenaphthylene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Anthracene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Benzo (a) anthracene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Benzo(a)pyrene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Benzo(b)fluoranthene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Benzo(g,h,i)perylene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 4:44:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-005
Matrix: SOIL
Client Sample ID EX-12 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Benzoic acid	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Benzyl alcohol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Bis(2-chloroethoxy)methane	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Bis(2-chloroethyl) ether	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Bis(2-chloroisopropyl) ether	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Butyl benzyl phthalate	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Chrysene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Dibenz(a,h)anthracene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Dibenzofuran	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Diethyl phthalate	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Dimethyl phthalate	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Di-n-butyl phthalate	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Di-n-octyl phthalate	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Fluoranthene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Fluorene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Hexachlorobenzene	3.58	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Hexachlorobutadiene	1.05	0.410		mg/Kg-dry	1	11/18/2009 4:14:00 PM
Hexachlorocyclopentadiene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Hexachloroethane	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Isophorone	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Naphthalene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Nitrobenzene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
N-Nitrosodi-n-propylamine	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
N-Nitrosodiphenylamine	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Pentachlorophenol	ND	2.11		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Phenanthrene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Phenol	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Pyrene	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Pyridine	ND	0.410		mg/Kg-dry	1	11/17/2009 4:05:00 AM
Surr: 2,4,6-Tribromophenol	241	19-122	S	%REC	1	11/17/2009 4:05:00 AM
Surr: 2-Fluorobiphenyl	37.4	30-115		%REC	1	11/17/2009 4:05:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:44:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-005

Matrix: SOIL

Client Sample ID EX-12 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	73.9	25-121		%REC	1	11/17/2009 4:05:00 AM
Surr: Nitrobenzene-d5	33.3	23-120		%REC	1	11/17/2009 4:05:00 AM
Surr: Phenol-d6	85.6	24-113		%REC	1	11/17/2009 4:05:00 AM
Surr: Terphenyl-d14	32.9	18-137		%REC	1	11/17/2009 4:05:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
1,1,2,2-Tetrachloroethane	105	20.1		mg/Kg-dry	3220.6	11/20/2009 4:06:00 PM
1,1,2-Trichloroethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
1,1-Dichloroethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
1,1-Dichloroethene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
1,2-Dichloroethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
1,2-Dichloropropane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
2-Hexanone	ND	60.3		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
4-Methyl-2-pentanone	ND	12.1		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Acetone	ND	60.3		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Benzene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Bromodichloromethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Bromoform	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Bromomethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Carbon disulfide	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Carbon tetrachloride	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Chlorobenzene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Chloroethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Chloroform	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Chloromethane	ND	6.03		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
cis-1,2-Dichloroethene	6.26	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
cis-1,3-Dichloropropene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Dibromochloromethane	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Ethylbenzene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
m,p-Xylene	ND	6.03		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Methyl ethyl ketone	ND	12.1		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Methylene chloride	ND	12.1		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:44:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-005

Matrix: SOIL

Client Sample ID EX-12 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Styrene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Tetrachloroethene	189	20.1		mg/Kg-dry	3220.6	11/20/2009 4:06:00 PM
Toluene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
trans-1,2-Dichloroethene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
trans-1,3-Dichloropropene	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Trichloroethene	90.8	20.1		mg/Kg-dry	3220.6	11/20/2009 4:06:00 PM
Vinyl acetate	ND	6.03		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Vinyl chloride	ND	3.01		mg/Kg-dry	483.1	11/18/2009 6:39:00 PM
Surr: 4-Bromofluorobenzene	111	74-121		%REC	483.1	11/18/2009 6:39:00 PM
Surr: Dibromofluoromethane	96.1	80-120		%REC	483.1	11/18/2009 6:39:00 PM
Surr: Toluene-d8	96.0	81-117		%REC	483.1	11/18/2009 6:39:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	19.8	0.500		wt%	1	11/18/2009 2:28:13 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 4:48:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-006
Matrix: SOIL
Client Sample ID EX-13 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
1,2-Dichlorobenzene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
1,3-Dichlorobenzene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
1,4-Dichlorobenzene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2,4,5-Trichlorophenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2,4,6-Trichlorophenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2,4-Dichlorophenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2,4-Dimethylphenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2,4-Dinitrophenol	ND	2.08		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2,4-Dinitrotoluene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2,6-Dinitrotoluene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2-Chloronaphthalene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2-Chlorophenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2-Methylnaphthalene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2-Methylphenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2-Nitroaniline	ND	2.08		mg/Kg-dry	1	11/18/2009 12:49:00 PM
2-Nitrophenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
3&4 Methylphenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
3,3'-Dichlorobenzidine	ND	0.809		mg/Kg-dry	1	11/18/2009 12:49:00 PM
3-Nitroaniline	ND	2.08		mg/Kg-dry	1	11/18/2009 12:49:00 PM
4,6-Dinitro-2-methylphenol	ND	2.08		mg/Kg-dry	1	11/18/2009 12:49:00 PM
4-Bromophenyl phenyl ether	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
4-Chloro-3-methylphenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
4-Chloroaniline	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
4-Chlorophenyl phenyl ether	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
4-Nitroaniline	ND	0.809		mg/Kg-dry	1	11/18/2009 12:49:00 PM
4-Nitrophenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Acenaphthene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Acenaphthylene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Anthracene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Benzo (a) anthracene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Benzo(a)pyrene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Benzo(b)fluoranthene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Benzo(g,h,i)perylene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 4:48:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-006
Matrix: SOIL
Client Sample ID EX-13 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Benzoic acid	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Benzyl alcohol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Bis(2-chloroethoxy)methane	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Bis(2-chloroethyl) ether	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Bis(2-chloroisopropyl) ether	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Butyl benzyl phthalate	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Chrysene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Dibenz(a,h)anthracene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Dibenzofuran	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Diethyl phthalate	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Dimethyl phthalate	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Di-n-butyl phthalate	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Di-n-octyl phthalate	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Fluoranthene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Fluorene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Hexachlorobenzene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Hexachlorobutadiene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Hexachlorocyclopentadiene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Hexachloroethane	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Isophorone	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Naphthalene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Nitrobenzene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
N-Nitrosodi-n-propylamine	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
N-Nitrosodiphenylamine	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Pentachlorophenol	ND	2.08		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Phenanthrene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Phenol	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Pyrene	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Pyridine	ND	0.404		mg/Kg-dry	1	11/18/2009 12:49:00 PM
Surr: 2,4,6-Tribromophenol	174	19-122	S	%REC	1	11/18/2009 12:49:00 PM
Surr: 2-Fluorobiphenyl	25.7	30-115	S	%REC	1	11/18/2009 12:49:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:48:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-006

Matrix: SOIL

Client Sample ID EX-13 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	77.1	25-121		%REC	1	11/18/2009 12:49:00 PM
Surr: Nitrobenzene-d5	23.3	23-120		%REC	1	11/18/2009 12:49:00 PM
Surr: Phenol-d6	79.7	24-113		%REC	1	11/18/2009 12:49:00 PM
Surr: Terphenyl-d14	32.2	18-137		%REC	1	11/18/2009 12:49:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
1,1,2,2-Tetrachloroethane	4.16	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
1,1,2-Trichloroethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
1,1-Dichloroethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
1,1-Dichloroethene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
1,2-Dichloroethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
1,2-Dichloropropane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
2-Hexanone	ND	51.1		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
4-Methyl-2-pentanone	ND	10.2		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Acetone	ND	51.1		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Benzene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Bromodichloromethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Bromoform	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Bromomethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Carbon disulfide	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Carbon tetrachloride	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Chlorobenzene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Chloroethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Chloroform	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Chloromethane	ND	5.11		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
cis-1,2-Dichloroethene	2.70	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
cis-1,3-Dichloropropene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Dibromochloromethane	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Ethylbenzene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
m,p-Xylene	ND	5.11		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Methyl ethyl ketone	ND	10.2		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Methylene chloride	ND	10.2		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:48:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-006

Matrix: SOIL

Client Sample ID EX-13 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Styrene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Tetrachloroethene	42.5	5.10		mg/Kg-dry	831.9	11/20/2009 4:40:00 PM
Toluene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
trans-1,2-Dichloroethene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
trans-1,3-Dichloropropene	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Trichloroethene	17.7	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Vinyl acetate	ND	5.11		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Vinyl chloride	ND	2.55		mg/Kg-dry	416.7	11/18/2009 7:04:00 PM
Surr: 4-Bromofluorobenzene	101	74-121		%REC	416.7	11/18/2009 7:04:00 PM
Surr: Dibromofluoromethane	95.8	80-120		%REC	416.7	11/18/2009 7:04:00 PM
Surr: Toluene-d8	104	81-117		%REC	416.7	11/18/2009 7:04:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	18.4	0.500		wt%	1	11/18/2009 2:28:13 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Project: DETREX DS/13811443
Lab ID: 0911276-007
Client Sample ID EX-14 (1-2)

Collection Date: 11/9/2009 4:51:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
1,2-Dichlorobenzene	0.540	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
1,3-Dichlorobenzene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
1,4-Dichlorobenzene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2,4,5-Trichlorophenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2,4,6-Trichlorophenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2,4-Dichlorophenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2,4-Dimethylphenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2,4-Dinitrophenol	ND	2.11		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2,4-Dinitrotoluene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2,6-Dinitrotoluene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2-Chloronaphthalene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2-Chlorophenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2-Methylnaphthalene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2-Methylphenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2-Nitroaniline	ND	2.11		mg/Kg-dry	1	11/19/2009 10:18:00 PM
2-Nitrophenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
3&4 Methylphenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
3,3'-Dichlorobenzidine	ND	0.819		mg/Kg-dry	1	11/19/2009 10:18:00 PM
3-Nitroaniline	ND	2.11		mg/Kg-dry	1	11/19/2009 10:18:00 PM
4,6-Dinitro-2-methylphenol	ND	2.11		mg/Kg-dry	1	11/19/2009 10:18:00 PM
4-Bromophenyl phenyl ether	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
4-Chloro-3-methylphenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
4-Chloroaniline	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
4-Chlorophenyl phenyl ether	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
4-Nitroaniline	ND	0.819		mg/Kg-dry	1	11/19/2009 10:18:00 PM
4-Nitrophenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Acenaphthene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Acenaphthylene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Anthracene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Benzo (a) anthracene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Benzo(a)pyrene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Benzo(b)fluoranthene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Benzo(g,h,i)perylene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Project: DETREX DS/13811443
Lab ID: 0911276-007
Client Sample ID EX-14 (1-2)

Collection Date: 11/9/2009 4:51:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Benzoic acid	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Benzyl alcohol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Bis(2-chloroethoxy)methane	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Bis(2-chloroethyl) ether	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Bis(2-chloroisopropyl) ether	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Butyl benzyl phthalate	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Chrysene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Dibenz(a,h)anthracene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Dibenzofuran	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Diethyl phthalate	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Dimethyl phthalate	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Di-n-butyl phthalate	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Di-n-octyl phthalate	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Fluoranthene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Fluorene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Hexachlorobenzene	0.417	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Hexachlorobutadiene	1.89	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Hexachlorocyclopentadiene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Hexachloroethane	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Isophorone	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Naphthalene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Nitrobenzene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
N-Nitrosodi-n-propylamine	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
N-Nitrosodiphenylamine	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Pentachlorophenol	ND	2.11		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Phenanthrene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Phenol	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Pyrene	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Pyridine	ND	0.409		mg/Kg-dry	1	11/19/2009 10:18:00 PM
Surr: 2,4,6-Tribromophenol	208	19-122	S	%REC	1	11/19/2009 10:18:00 PM
Surr: 2-Fluorobiphenyl	29.1	30-115	S	%REC	1	11/19/2009 10:18:00 PM

Qualifiers:

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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:51:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-007

Matrix: SOIL

Client Sample ID EX-14 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	91.5	25-121		%REC	1	11/19/2009 10:18:00 PM
Surr: Nitrobenzene-d5	41.5	23-120		%REC	1	11/19/2009 10:18:00 PM
Surr: Phenol-d6	78.0	24-113		%REC	1	11/19/2009 10:18:00 PM
Surr: Terphenyl-d14	32.2	18-137		%REC	1	11/19/2009 10:18:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
1,1,2,2-Tetrachloroethane	5.08	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
1,1,2-Trichloroethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
1,1-Dichloroethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
1,1-Dichloroethene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
1,2-Dichloroethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
1,2-Dichloropropane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
2-Hexanone	ND	57.6		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
4-Methyl-2-pentanone	ND	11.5		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Acetone	ND	57.6		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Benzene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Bromodichloromethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Bromoform	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Bromomethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Carbon disulfide	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Carbon tetrachloride	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Chlorobenzene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Chloroethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Chloroform	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Chloromethane	ND	5.76		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
cis-1,2-Dichloroethene	9.16	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
cis-1,3-Dichloropropene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Dibromochloromethane	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Ethylbenzene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
m,p-Xylene	ND	5.76		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Methyl ethyl ketone	ND	11.5		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Methylene chloride	ND	11.5		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:51:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-007

Matrix: SOIL

Client Sample ID EX-14 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Styrene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Tetrachloroethene	60.4	11.5		mg/Kg-dry	1850	11/20/2009 5:15:00 PM
Toluene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
trans-1,2-Dichloroethene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
trans-1,3-Dichloropropene	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Trichloroethene	24.8	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Vinyl acetate	ND	5.76		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Vinyl chloride	ND	2.88		mg/Kg-dry	462.5	11/18/2009 8:45:00 PM
Surr: 4-Bromofluorobenzene	101	74-121		%REC	462.5	11/18/2009 8:45:00 PM
Surr: Dibromofluoromethane	97.1	80-120		%REC	462.5	11/18/2009 8:45:00 PM
Surr: Toluene-d8	101	81-117		%REC	462.5	11/18/2009 8:45:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	19.7	0.500		wt%	1	11/18/2009 2:28:13 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:56:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-008

Matrix: SOIL

Client Sample ID EX-15 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
1,2-Dichlorobenzene	0.579	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
1,3-Dichlorobenzene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
1,4-Dichlorobenzene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2,4,5-Trichlorophenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2,4,6-Trichlorophenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2,4-Dichlorophenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2,4-Dimethylphenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2,4-Dinitrophenol	ND	2.09		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2,4-Dinitrotoluene	6.12	4.05		mg/Kg-dry	10	11/24/2009 3:24:00 PM
2,6-Dinitrotoluene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2-Chloronaphthalene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2-Chlorophenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2-Methylnaphthalene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2-Methylphenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2-Nitroaniline	ND	2.09		mg/Kg-dry	1	11/23/2009 9:28:00 PM
2-Nitrophenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
3&4 Methylphenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
3,3'-Dichlorobenzidine	ND	0.810		mg/Kg-dry	1	11/23/2009 9:28:00 PM
3-Nitroaniline	ND	2.09		mg/Kg-dry	1	11/23/2009 9:28:00 PM
4,6-Dinitro-2-methylphenol	ND	2.09		mg/Kg-dry	1	11/23/2009 9:28:00 PM
4-Bromophenyl phenyl ether	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
4-Chloro-3-methylphenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
4-Chloroaniline	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
4-Chlorophenyl phenyl ether	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
4-Nitroaniline	ND	0.810		mg/Kg-dry	1	11/23/2009 9:28:00 PM
4-Nitrophenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Acenaphthene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Acenaphthylene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Anthracene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Benzo (a) anthracene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Benzo(a)pyrene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Benzo(b)fluoranthene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Benzo(g,h,i)perylene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:56:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-008

Matrix: SOIL

Client Sample ID EX-15 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Benzoic acid	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Benzyl alcohol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Bis(2-chloroethoxy)methane	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Bis(2-chloroethyl) ether	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Bis(2-chloroisopropyl) ether	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Butyl benzyl phthalate	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Chrysene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Dibenz(a,h)anthracene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Dibenzofuran	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Diethyl phthalate	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Dimethyl phthalate	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Di-n-butyl phthalate	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Di-n-octyl phthalate	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Fluoranthene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Fluorene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Hexachlorobenzene	10.3	4.05		mg/Kg-dry	10	11/24/2009 3:24:00 PM
Hexachlorobutadiene	14.5	4.05		mg/Kg-dry	10	11/24/2009 3:24:00 PM
Hexachlorocyclopentadiene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Hexachloroethane	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Isophorone	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Naphthalene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Nitrobenzene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
N-Nitrosodi-n-propylamine	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
N-Nitrosodiphenylamine	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Pentachlorophenol	ND	2.09		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Phenanthrene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Phenol	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Pyrene	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Pyridine	ND	0.405		mg/Kg-dry	1	11/23/2009 9:28:00 PM
Surr: 2,4,6-Tribromophenol	285	19-122	S	%REC	1	11/23/2009 9:28:00 PM
Surr: 2-Fluorobiphenyl	28.3	30-115	S	%REC	1	11/23/2009 9:28:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 4:56:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-008
Matrix: SOIL
Client Sample ID EX-15 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	89.3	25-121		%REC	1	11/23/2009 9:28:00 PM
Surr: Nitrobenzene-d5	31.6	23-120		%REC	1	11/23/2009 9:28:00 PM
Surr: Phenol-d6	94.0	24-113		%REC	1	11/23/2009 9:28:00 PM
Surr: Terphenyl-d14	40.5	18-137		%REC	1	11/23/2009 9:28:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
1,1,2,2-Tetrachloroethane	62.8	13.9		mg/Kg-dry	2267.6	11/20/2009 5:49:00 PM
1,1,2-Trichloroethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
1,1-Dichloroethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
1,1-Dichloroethene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
1,2-Dichloroethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
1,2-Dichloropropane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
2-Hexanone	ND	69.6		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
4-Methyl-2-pentanone	ND	13.9		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Acetone	ND	69.6		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Benzene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Bromodichloromethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Bromoform	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Bromomethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Carbon disulfide	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Carbon tetrachloride	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Chlorobenzene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Chloroethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Chloroform	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Chloromethane	ND	6.96		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
cis-1,2-Dichloroethene	13.9	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
cis-1,3-Dichloropropene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Dibromochloromethane	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Ethylbenzene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
m,p-Xylene	ND	6.96		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Methyl ethyl ketone	ND	13.9		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Methylene chloride	ND	13.9		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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CLIENT: URS Corp.

Collection Date: 11/9/2009 4:56:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-008

Matrix: SOIL

Client Sample ID EX-15 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Styrene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Tetrachloroethene	76.0	13.9		mg/Kg-dry	2267.6	11/20/2009 5:49:00 PM
Toluene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
trans-1,2-Dichloroethene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
trans-1,3-Dichloropropene	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Trichloroethene	145	13.9		mg/Kg-dry	2267.6	11/20/2009 5:49:00 PM
Vinyl acetate	ND	6.96		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Vinyl chloride	ND	3.48		mg/Kg-dry	566.9	11/18/2009 9:10:00 PM
Surr: 4-Bromofluorobenzene	114	74-121		%REC	566.9	11/18/2009 9:10:00 PM
Surr: Dibromofluoromethane	92.3	80-120		%REC	566.9	11/18/2009 9:10:00 PM
Surr: Toluene-d8	95.0	81-117		%REC	566.9	11/18/2009 9:10:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	18.5	0.500		wt%	1	11/18/2009 2:28:13 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: 0911276

Date Reported: 11/25/2009

CLIENT: URS Corp.

Project: DETREX DS/13811443

Lab ID: 0911276-009

Client Sample ID EX-16 (1-2)

Collection Date: 11/9/2009 4:54:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
1,2-Dichlorobenzene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
1,3-Dichlorobenzene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
1,4-Dichlorobenzene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2,4,5-Trichlorophenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2,4,6-Trichlorophenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2,4-Dichlorophenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2,4-Dimethylphenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2,4-Dinitrophenol	ND	2.16		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2,4-Dinitrotoluene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2,6-Dinitrotoluene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2-Chloronaphthalene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2-Chlorophenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2-Methylnaphthalene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2-Methylphenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2-Nitroaniline	ND	2.16		mg/Kg-dry	1	11/23/2009 10:13:00 PM
2-Nitrophenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
3&4 Methylphenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
3,3'-Dichlorobenzidine	ND	0.840		mg/Kg-dry	1	11/23/2009 10:13:00 PM
3-Nitroaniline	ND	2.16		mg/Kg-dry	1	11/23/2009 10:13:00 PM
4,6-Dinitro-2-methylphenol	ND	2.16		mg/Kg-dry	1	11/23/2009 10:13:00 PM
4-Bromophenyl phenyl ether	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
4-Chloro-3-methylphenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
4-Chloroaniline	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
4-Chlorophenyl phenyl ether	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
4-Nitroaniline	ND	0.840		mg/Kg-dry	1	11/23/2009 10:13:00 PM
4-Nitrophenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Acenaphthene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Acenaphthylene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Anthracene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Benzo (a) anthracene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Benzo(a)pyrene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Benzo(b)fluoranthene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Benzo(g,h,i)perylene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM

Qualifiers:

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Analytical Report

(consolidated)

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Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009 4:54:00 PM
Project: DETREX DS/13811443
Lab ID: 0911276-009
Matrix: SOIL
Client Sample ID EX-16 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Benzoic acid	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Benzyl alcohol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Bis(2-chloroethoxy)methane	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Bis(2-chloroethyl) ether	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Bis(2-chloroisopropyl) ether	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Butyl benzyl phthalate	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Chrysene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Dibenz(a,h)anthracene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Dibenzofuran	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Diethyl phthalate	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Dimethyl phthalate	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Di-n-butyl phthalate	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Di-n-octyl phthalate	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Fluoranthene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Fluorene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Hexachlorobenzene	0.678	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Hexachlorobutadiene	1.18	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Hexachlorocyclopentadiene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Hexachloroethane	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Isophorone	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Naphthalene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Nitrobenzene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
N-Nitrosodi-n-propylamine	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
N-Nitrosodiphenylamine	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Pentachlorophenol	ND	2.16		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Phenanthrene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Phenol	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Pyrene	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Pyridine	ND	0.420		mg/Kg-dry	1	11/23/2009 10:13:00 PM
Surr: 2,4,6-Tribromophenol	240	19-122	S	%REC	1	11/23/2009 10:13:00 PM
Surr: 2-Fluorobiphenyl	30.4	30-115		%REC	1	11/23/2009 10:13:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Collection Date: 11/9/2009 4:54:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-009

Matrix: SOIL

Client Sample ID EX-16 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	88.8	25-121		%REC	1	11/23/2009 10:13:00 PM
Surr: Nitrobenzene-d5	25.3	23-120		%REC	1	11/23/2009 10:13:00 PM
Surr: Phenol-d6	93.2	24-113		%REC	1	11/23/2009 10:13:00 PM
Surr: Terphenyl-d14	37.8	18-137		%REC	1	11/23/2009 10:13:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
1,1,2,2-Tetrachloroethane	3.91	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
1,1,2-Trichloroethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
1,1-Dichloroethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
1,1-Dichloroethene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
1,2-Dichloroethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
1,2-Dichloropropane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
2-Hexanone	ND	76.2		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
4-Methyl-2-pentanone	ND	15.2		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Acetone	ND	76.2		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Benzene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Bromodichloromethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Bromoform	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Bromomethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Carbon disulfide	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Carbon tetrachloride	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Chlorobenzene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Chloroethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Chloroform	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Chloromethane	ND	7.62		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
cis-1,2-Dichloroethene	9.27	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
cis-1,3-Dichloropropene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Dibromochloromethane	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Ethylbenzene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
m,p-Xylene	ND	7.62		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Methyl ethyl ketone	ND	15.2		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Methylene chloride	ND	15.2		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009 4:54:00 PM

Project: DETREX DS/13811443

Lab ID: 0911276-009

Matrix: SOIL

Client Sample ID EX-16 (1-2)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Styrene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Tetrachloroethene	10.0	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Toluene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
trans-1,2-Dichloroethene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
trans-1,3-Dichloropropene	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Trichloroethene	11.8	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Vinyl acetate	ND	7.62		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Vinyl chloride	ND	3.81		mg/Kg-dry	598.8	11/18/2009 4:33:00 PM
Surr: 4-Bromofluorobenzene	103	74-121		%REC	598.8	11/18/2009 4:33:00 PM
Surr: Dibromofluoromethane	96.6	80-120		%REC	598.8	11/18/2009 4:33:00 PM
Surr: Toluene-d8	96.7	81-117		%REC	598.8	11/18/2009 4:33:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	21.5	0.500		wt%	1	11/18/2009 2:28:13 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0911276

Date Reported: 11/25/2009

CLIENT: URS Corp.

Collection Date: 11/9/2009

Project: DETREX DS/13811443

Lab ID: 0911276-010

Matrix: SOIL

Client Sample ID Dup-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
1,2-Dichlorobenzene	1.56	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
1,3-Dichlorobenzene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
1,4-Dichlorobenzene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2,4,5-Trichlorophenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2,4,6-Trichlorophenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2,4-Dichlorophenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2,4-Dimethylphenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2,4-Dinitrophenol	ND	2.06		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2,4-Dinitrotoluene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2,6-Dinitrotoluene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2-Chloronaphthalene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2-Chlorophenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2-Methylnaphthalene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2-Methylphenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2-Nitroaniline	ND	2.06		mg/Kg-dry	1	11/23/2009 10:58:00 PM
2-Nitrophenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
3&4 Methylphenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
3,3'-Dichlorobenzidine	ND	0.800		mg/Kg-dry	1	11/23/2009 10:58:00 PM
3-Nitroaniline	ND	2.06		mg/Kg-dry	1	11/23/2009 10:58:00 PM
4,6-Dinitro-2-methylphenol	ND	2.06		mg/Kg-dry	1	11/23/2009 10:58:00 PM
4-Bromophenyl phenyl ether	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
4-Chloro-3-methylphenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
4-Chloroaniline	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
4-Chlorophenyl phenyl ether	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
4-Nitroaniline	ND	0.800		mg/Kg-dry	1	11/23/2009 10:58:00 PM
4-Nitrophenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Acenaphthene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Acenaphthylene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Anthracene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Benzo (a) anthracene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Benzo(a)pyrene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Benzo(b)fluoranthene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Benzo(g,h,i)perylene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM

Qualifiers:

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DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: 0911276

Date Reported: 11/25/2009

CLIENT: URS Corp.

Collection Date: 11/9/2009

Project: DETREX DS/13811443

Lab ID: 0911276-010

Matrix: SOIL

Client Sample ID Dup-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Benzoic acid	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Benzyl alcohol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Bis(2-chloroethoxy)methane	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Bis(2-chloroethyl) ether	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Bis(2-chloroisopropyl) ether	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Butyl benzyl phthalate	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Chrysene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Dibenz(a,h)anthracene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Dibenzofuran	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Diethyl phthalate	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Dimethyl phthalate	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Di-n-butyl phthalate	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Di-n-octyl phthalate	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Fluoranthene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Fluorene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Hexachlorobenzene	2.53	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Hexachlorobutadiene	7.32	4.00		mg/Kg-dry	10	11/24/2009 4:09:00 PM
Hexachlorocyclopentadiene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Hexachloroethane	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Isophorone	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Naphthalene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Nitrobenzene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
N-Nitrosodi-n-propylamine	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
N-Nitrosodiphenylamine	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Pentachlorophenol	ND	2.06		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Phenanthrene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Phenol	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Pyrene	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Pyridine	ND	0.400		mg/Kg-dry	1	11/23/2009 10:58:00 PM
Surr: 2,4,6-Tribromophenol	261	19-122	S	%REC	1	11/23/2009 10:58:00 PM
Surr: 2-Fluorobiphenyl	36.2	30-115		%REC	1	11/23/2009 10:58:00 PM

Qualifiers:

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DF	Dilution Factor	E	Value above quantitation range
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FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date: 11/9/2009

Project: DETREX DS/13811443

Lab ID: 0911276-010

Matrix: SOIL

Client Sample ID Dup-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	94.2	25-121		%REC	1	11/23/2009 10:58:00 PM
Surr: Nitrobenzene-d5	34.0	23-120		%REC	1	11/23/2009 10:58:00 PM
Surr: Phenol-d6	103	24-113		%REC	1	11/23/2009 10:58:00 PM
Surr: Terphenyl-d14	44.0	18-137		%REC	1	11/23/2009 10:58:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
1,1,2,2-Tetrachloroethane	35.1	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
1,1,2-Trichloroethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
1,1-Dichloroethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
1,1-Dichloroethene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
1,2-Dichloroethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
1,2-Dichloropropane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
2-Hexanone	ND	51.8		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
4-Methyl-2-pentanone	ND	10.4		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Acetone	ND	51.8		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Benzene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Bromodichloromethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Bromoform	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Bromomethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Carbon disulfide	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Carbon tetrachloride	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Chlorobenzene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Chloroethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Chloroform	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Chloromethane	ND	5.18		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
cis-1,2-Dichloroethene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
cis-1,3-Dichloropropene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Dibromochloromethane	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Ethylbenzene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
m,p-Xylene	ND	5.18		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Methyl ethyl ketone	ND	10.4		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Methylene chloride	ND	10.4		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date: 11/9/2009
Project: DETREX DS/13811443
Lab ID: 0911276-010
Matrix: SOIL
Client Sample ID Dup-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Styrene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Tetrachloroethene	188	20.7		mg/Kg-dry	3410	11/20/2009 6:23:00 PM
Toluene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
trans-1,2-Dichloroethene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
trans-1,3-Dichloropropene	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Trichloroethene	280	20.7		mg/Kg-dry	3410	11/20/2009 6:23:00 PM
Vinyl acetate	ND	5.18		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Vinyl chloride	ND	2.59		mg/Kg-dry	426.3	11/18/2009 9:35:00 PM
Surr: 4-Bromofluorobenzene	112	74-121		%REC	426.3	11/18/2009 9:35:00 PM
Surr: Dibromofluoromethane	98.9	80-120		%REC	426.3	11/18/2009 9:35:00 PM
Surr: Toluene-d8	97.1	81-117		%REC	426.3	11/18/2009 9:35:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	17.8	0.500		wt%	1	11/18/2009 2:28:13 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.
Collection Date:
Project: DETREX DS/13811443
Lab ID: 0911276-011
Matrix: LIQUID
Client Sample ID Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
2-Hexanone	ND	0.0100		mg/L	1	11/18/2009 4:08:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	11/18/2009 4:08:00 PM
Acetone	ND	0.0500		mg/L	1	11/18/2009 4:08:00 PM
Benzene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Bromodichloromethane	0.00595	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Bromoform	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Bromomethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Chloroethane	ND	0.0100		mg/L	1	11/18/2009 4:08:00 PM
Chloroform	0.00998	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Chloromethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	11/18/2009 4:08:00 PM
Methylene chloride	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
o-Xylene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Styrene	ND	0.0200		mg/L	1	11/18/2009 4:08:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Toluene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	11/18/2009 4:08:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Trichloroethene	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT: URS Corp.

Collection Date:

Project: DETREX DS/13811443

Lab ID: 0911276-011

Matrix: LIQUID

Client Sample ID Field Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	11/18/2009 4:08:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	11/18/2009 4:08:00 PM
Surr: 4-Bromofluorobenzene	94.0	86-115		%REC	1	11/18/2009 4:08:00 PM
Surr: Dibromofluoromethane	117	86-118		%REC	1	11/18/2009 4:08:00 PM
Surr: Toluene-d8	97.9	88-110		%REC	1	11/18/2009 4:08:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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TEL: (216) 663-0808
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Analytical Report

(consolidated)

WO#: **0911276**

Date Reported: **11/25/2009**

CLIENT:	URS Corp.	**Collection Date:**	
Project:	DETREX DS/13811443		
Lab ID:	0911276-012	**Matrix:**	
Client Sample ID	QC Report		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

Qualifiers:	*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
	MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
	PL	Permit Limit	RL	Reporting Detection Limit (PQL)

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: 5546

Sample ID: **mb-5546** SampType: **mblk** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **PBS** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.330									
1,2-Dichlorobenzene	ND	0.330									
1,3-Dichlorobenzene	ND	0.330									
1,4-Dichlorobenzene	ND	0.330									
2,4,5-Trichlorophenol	ND	0.330									
2,4,6-Trichlorophenol	ND	0.330									
2,4-Dichlorophenol	ND	0.330									
2,4-Dimethylphenol	ND	0.330									
2,4-Dinitrophenol	ND	1.70									
2,4-Dinitrotoluene	ND	0.330									
2,6-Dinitrotoluene	ND	0.330									
2-Chloronaphthalene	ND	0.330									
2-Chlorophenol	ND	0.330									
2-Methylnaphthalene	ND	0.330									
2-Methylphenol	ND	0.330									
2-Nitroaniline	ND	1.70									
2-Nitrophenol	ND	0.330									
3&4 Methylphenol	ND	0.330									
3,3'-Dichlorobenzidine	ND	0.660									
3-Nitroaniline	ND	1.70									
4,6-Dinitro-2-methylphenol	ND	1.70									
4-Bromophenyl phenyl ether	ND	0.330									
4-Chloro-3-methylphenol	ND	0.330									
4-Chloroaniline	ND	0.330									
4-Chlorophenyl phenyl ether	ND	0.330									
4-Nitroaniline	ND	0.660									
4-Nitrophenol	ND	0.330									
Acenaphthene	ND	0.330									
Acenaphthylene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: 5546

Sample ID: mb-5546	SampType: mblk	TestCode: sw_8270sol	Units: mg/Kg	Prep Date: 11/12/2009	RunNo: 12849
Client ID: PBS	Batch ID: 5546	TestNo: SW8270C		Analysis Date: 11/17/2009	SeqNo: 161210

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	0.330									
Benzo (a) anthracene	ND	0.330									
Benzo(a)pyrene	ND	0.330									
Benzo(b)fluoranthene	ND	0.330									
Benzo(g,h,i)perylene	ND	0.330									
Benzo(k)fluoranthene	ND	0.330									
Benzoic acid	ND	0.330									
Benzyl alcohol	ND	0.330									
Bis(2-chloroethoxy)methane	ND	0.330									
Bis(2-chloroethyl) ether	ND	0.330									
Bis(2-chloroisopropyl) ether	ND	0.330									
Bis(2-ethylhexyl) phthalate	ND	0.330									
Butyl benzyl phthalate	ND	0.330									
Chrysene	ND	0.330									
Dibenz(a,h)anthracene	ND	0.330									
Dibenzofuran	ND	0.330									
Diethyl phthalate	ND	0.330									
Dimethyl phthalate	ND	0.330									
Di-n-butyl phthalate	ND	0.330									
Di-n-octyl phthalate	ND	0.330									
Fluoranthene	ND	0.330									
Fluorene	ND	0.330									
Hexachlorobenzene	ND	0.330									
Hexachlorobutadiene	ND	0.330									
Hexachlorocyclopentadiene	ND	0.330									
Hexachloroethane	ND	0.330									
Indeno(1,2,3-cd)pyrene	ND	0.330									
Isophorone	ND	0.330									
Naphthalene	ND	0.330									
Nitrobenzene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: 5546

Sample ID: **mb-5546** SampType: **mblk** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **PBS** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	ND	0.330									
N-Nitrosodiphenylamine	ND	0.330									
Pentachlorophenol	ND	1.70									
Phenanthrene	ND	0.330									
Phenol	ND	0.330									
Pyrene	ND	0.330									
Pyridine	ND	0.330									
Surr: 2,4,6-Tribromophenol	6.27		3.330		188	19	122				S
Surr: 2-Fluorobiphenyl	0.934		3.330		28.0	30	115				S
Surr: 2-Fluorophenol	2.87		3.330		86.1	25	121				
Surr: Nitrobenzene-d5	0.822		3.330		24.7	23	120				
Surr: Phenol-d6	2.82		3.330		84.7	24	113				
Surr: Terphenyl-d14	1.03		3.330		31.0	18	137				

Sample ID: **lcs-5546** SampType: **lcs** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **LCSS** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161211**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.40	0.330	3.330	0	72.1	44	142				
1,4-Dichlorobenzene	1.98	0.330	3.330	0	59.5	20	124				
2,4-Dinitrotoluene	2.69	0.330	3.330	0	80.9	39	139				
2-Chlorophenol	2.22	0.330	3.330	0	66.7	23	134				
4-Chloro-3-methylphenol	2.58	0.330	3.330	0	77.5	22	147				
4-Nitrophenol	0.976	0.330	3.330	0	29.3	1	132				
Acenaphthene	3.23	0.330	3.330	0	97.0	47	145				
N-Nitrosodi-n-propylamine	2.78	0.330	3.330	0	83.3	1	230				
Pentachlorophenol	3.00	1.70	3.330	0	90.2	14	176				
Phenol	2.34	0.330	3.330	0	70.4	5	112				
Pyrene	2.87	0.330	3.330	0	86.1	52	115				
Surr: 2,4,6-Tribromophenol	9.25		3.330		278	19	122				S

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: 5546

Sample ID: **lcs-5546** SampType: **lcs** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **LCSS** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161211**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	1.13		3.330		33.9	30	115				
Surr: 2-Fluorophenol	2.97		3.330		89.2	25	121				
Surr: Nitrobenzene-d5	0.907		3.330		27.2	23	120				
Surr: Phenol-d6	3.39		3.330		102	24	113				
Surr: Terphenyl-d14	1.08		3.330		32.4	18	137				

Sample ID: **lcsd-5546** SampType: **lcsd** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **LCSS02** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/17/2009** SeqNo: **161212**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.98	0.330	3.330	0	59.4	44	142	2.401	19.3	20	
1,4-Dichlorobenzene	1.64	0.330	3.330	0	49.3	20	124	1.982	18.8	20	
2,4-Dinitrotoluene	2.79	0.330	3.330	0	83.6	39	139	2.693	3.35	20	
2-Chlorophenol	1.84	0.330	3.330	0	55.3	23	134	2.222	18.8	20	
4-Chloro-3-methylphenol	2.42	0.330	3.330	0	72.6	22	147	2.582	6.57	20	
4-Nitrophenol	1.05	0.330	3.330	0	31.7	1	132	0.9763	7.68	20	
Acenaphthene	2.86	0.330	3.330	0	85.8	47	145	3.231	12.3	20	
N-Nitrosodi-n-propylamine	2.48	0.330	3.330	0	74.4	1	230	2.775	11.4	20	
Pentachlorophenol	2.77	1.70	3.330	0	83.1	14	176	3.004	8.26	20	
Phenol	2.20	0.330	3.330	0	66.1	5	112	2.343	6.32	20	
Pyrene	2.60	0.330	3.330	0	78.1	52	115	2.868	9.71	20	
Surr: 2,4,6-Tribromophenol	7.66		3.330		230	19	122		0	20	S
Surr: 2-Fluorobiphenyl	0.966		3.330		29.0	30	115		0	20	S
Surr: 2-Fluorophenol	2.37		3.330		71.1	25	121		0	20	
Surr: Nitrobenzene-d5	1.08		3.330		32.5	23	120		0	20	
Surr: Phenol-d6	2.79		3.330		83.8	24	113		0	20	
Surr: Terphenyl-d14	0.926		3.330		27.8	18	137		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: 5546

Sample ID: **0911276-006bms** SampType: **ms** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **EX-13 (1-2)** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/18/2009** SeqNo: **161902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.68	0.404	4.081	0	65.8	44	142				
1,4-Dichlorobenzene	2.27	0.404	4.081	0	55.7	20	124				
2,4-Dinitrotoluene	2.80	0.404	4.081	0	68.6	39	139				
2-Chlorophenol	2.68	0.404	4.081	0	65.7	23	134				
4-Chloro-3-methylphenol	2.86	0.404	4.081	0	70.1	22	147				
4-Nitrophenol	9.25	0.404	4.081	0	227	1	132				S
Acenaphthene	3.42	0.404	4.081	0	83.7	47	145				
N-Nitrosodi-n-propylamine	3.08	0.404	4.081	0	75.4	1	230				
Pentachlorophenol	3.05	2.08	4.081	0	74.7	14	176				
Phenol	3.20	0.404	4.081	0	78.4	5	112				
Pyrene	3.06	0.404	4.081	0	75.0	52	115				
Surr: 2,4,6-Tribromophenol	8.81		4.081		216	19	122				S
Surr: 2-Fluorobiphenyl	1.25		4.081		30.6	30	115				
Surr: 2-Fluorophenol	3.83		4.081		93.8	25	121				
Surr: Nitrobenzene-d5	1.09		4.081		26.7	23	120				
Surr: Phenol-d6	4.35		4.081		107	24	113				
Surr: Terphenyl-d14	1.23		4.081		30.2	18	137				

Sample ID: **0911276-006bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **EX-13 (1-2)** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/18/2009** SeqNo: **161959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.41	0.404	4.081	0	59.0	44	142	2.684	10.9	20	
1,4-Dichlorobenzene	2.08	0.404	4.081	0	50.9	20	124	2.275	8.99	20	
2,4-Dinitrotoluene	2.51	0.404	4.081	0	61.5	39	139	2.799	11.0	20	
2-Chlorophenol	2.41	0.404	4.081	0	59.1	23	134	2.683	10.6	20	
4-Chloro-3-methylphenol	2.51	0.404	4.081	0	61.4	22	147	2.860	13.2	20	
4-Nitrophenol	8.37	0.404	4.081	0	205	1	132	9.246	9.91	20	S
Acenaphthene	3.11	0.404	4.081	0	76.2	47	145	3.416	9.42	20	
N-Nitrosodi-n-propylamine	2.72	0.404	4.081	0	66.6	1	230	3.076	12.3	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: 5546

Sample ID: **0911276-006bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/12/2009** RunNo: **12849**
Client ID: **EX-13 (1-2)** Batch ID: **5546** TestNo: **SW8270C** Analysis Date: **11/18/2009** SeqNo: **161959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	2.80	2.08	4.081	0	68.7	14	176	3.050	8.42	20	
Phenol	2.84	0.404	4.081	0	69.5	5	112	3.200	12.0	20	
Pyrene	2.85	0.404	4.081	0	69.8	52	115	3.061	7.17	20	
Surr: 2,4,6-Tribromophenol	8.71		4.081		213	19	122		0	20	S
Surr: 2-Fluorobiphenyl	1.23		4.081		30.1	30	115		0	20	
Surr: 2-Fluorophenol	3.76		4.081		92.2	25	121		0	20	
Surr: Nitrobenzene-d5	1.06		4.081		26.0	23	120		0	20	
Surr: Phenol-d6	4.13		4.081		101	24	113		0	20	
Surr: Terphenyl-d14	1.25		4.081		30.6	18	137		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R12852

Sample ID: **0911276-004BDUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: RunNo: **12852**
Client ID: **EX-11 (1-2)** Batch ID: **R12852** TestNo: **D2216** Analysis Date: **11/16/2009** SeqNo: **161243**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.8	0.500						17.18	2.02	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R12895

Sample ID: **0911276-006AMS** SampType: **MS** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12895**
Client ID: **EX-13 (1-2)** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **163108**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	8.68	2.55	10.2	0	85.0	70	130				
Benzene	9.73	2.55	10.2	0	95.3	70	130				
Chlorobenzene	10.3	2.55	10.2	0	101	70	130				
Toluene	10.3	2.55	10.2	0	101	70	130				
Trichloroethene	27.0	2.55	10.2	17,740	91.1	70	130				
Surr: 4-Bromofluorobenzene	58,900		51,070		115	74	121				
Surr: Dibromofluoromethane	47,400		51,070		92.8	80	120				
Surr: Toluene-d8	52,600		51,070		103	81	117				

Sample ID: **0911276-006AMSD** SampType: **MSD** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12895**
Client ID: **EX-13 (1-2)** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **163109**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	8.78	2.55	10.2	0	86.0	70	130	8.68	1.17	20	
Benzene	9.78	2.55	10.2	0	95.7	70	130	9.73	0.471	20	
Chlorobenzene	10.7	2.55	10.2	0	105	70	130	10.3	4.09	20	
Toluene	10.6	2.55	10.2	0	103	70	130	10.3	2.54	20	
Trichloroethene	27.7	2.55	10.2	17,740	97.6	70	130	27.0	2.44	20	
Surr: 4-Bromofluorobenzene	59,100		51,070		116	74	121		0	20	
Surr: Dibromofluoromethane	45,900		51,070		89.9	80	120		0	20	
Surr: Toluene-d8	53,400		51,070		105	81	117		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R12895

Sample ID: **BLK** SampType: **MBLK** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **161792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	ND	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R12895

Sample ID: **BLK** SampType: **MBLK** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **161792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	101		100.0		101	86	115				
Surr: Dibromofluoromethane	116		100.0		116	86	118				
Surr: Toluene-d8	106		100.0		106	88	110				

Sample ID: **LCS** SampType: **LCS** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **161794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0186	0.00500	0.0200	0	93.2	75	125				
Benzene	0.0200	0.00500	0.0200	0	100	83	117				
Chlorobenzene	0.0221	0.00500	0.0200	0	111	77	123				
Toluene	0.0209	0.00500	0.0200	0	104	80	120				
Trichloroethene	0.0193	0.00500	0.0200	0	96.3	79	121				
Surr: 4-Bromofluorobenzene	101		100.0		101	86	115				
Surr: Dibromofluoromethane	99.5		100.0		99.5	86	118				
Surr: Toluene-d8	103		100.0		103	88	110				

Sample ID: **LCSD** SampType: **LCSD** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **161795**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0182	0.00500	0.0200	0	91.1	75	125	0.0186	2.23	20	
Benzene	0.0197	0.00500	0.0200	0	98.5	83	117	0.0200	1.46	20	
Chlorobenzene	0.0200	0.00500	0.0200	0	99.8	77	123	0.0221	10.4	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R12895

Sample ID: **LCSD** SampType: **LCSD** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **161795**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.0197	0.00500	0.0200	0	98.7	80	120	0.0209	5.61	20	
Trichloroethene	0.0185	0.00500	0.0200	0	92.5	79	121	0.0193	4.03	20	
Surr: 4-Bromofluorobenzene	100		100.0		100	86	115		0	20	
Surr: Dibromofluoromethane	99.0		100.0		99.0	86	118		0	20	
Surr: Toluene-d8	103		100.0		103	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R12901

Sample ID: **0911276-006BDUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: RunNo: **12901**
Client ID: **EX-13 (1-2)** Batch ID: **R12901** TestNo: **D2216** Analysis Date: **11/18/2009** SeqNo: **161914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	19.2	0.500						18.40	4.15	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R13008

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260LIQ** Units: **mg/L** Prep Date: RunNo: **13008**
Client ID: **ZZZZZZ** Batch ID: **R13008** TestNo: **SW8260B** Analysis Date: **11/20/2009** SeqNo: **163161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	ND	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R13008

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260LIQ** Units: **mg/L** Prep Date: RunNo: **13008**
Client ID: **ZZZZZZ** Batch ID: **R13008** TestNo: **SW8260B** Analysis Date: **11/20/2009** SeqNo: **163161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	97.2		100.0		97.2	86	115				
Surr: Dibromofluoromethane	120		100.0		120	86	118				S
Surr: Toluene-d8	89.7		100.0		89.7	88	110				

Sample ID: **LCS 40** SampType: **LCS** TestCode: **sw_8260LIQ** Units: **mg/L** Prep Date: RunNo: **13008**
Client ID: **ZZZZZZ** Batch ID: **R13008** TestNo: **SW8260B** Analysis Date: **11/20/2009** SeqNo: **163165**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0503	0.00500	0.0400	0	126	75	125				S
Benzene	0.0464	0.00500	0.0400	0	116	83	117				
Chlorobenzene	0.0371	0.00500	0.0400	0	92.8	77	123				
Toluene	0.0349	0.00500	0.0400	0	87.2	80	120				
Trichloroethene	0.0400	0.00500	0.0400	0	100	79	121				
Surr: 4-Bromofluorobenzene	97.7		100.0		97.7	86	115				
Surr: Dibromofluoromethane	121		100.0		121	86	118				S
Surr: Toluene-d8	88.3		100.0		88.3	88	110				

Sample ID: **LCSD 40** SampType: **LCSD** TestCode: **sw_8260LIQ** Units: **mg/L** Prep Date: RunNo: **13008**
Client ID: **ZZZZZZ** Batch ID: **R13008** TestNo: **SW8260B** Analysis Date: **11/20/2009** SeqNo: **163166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0447	0.00500	0.0400	0	112	75	125	0.0503	11.6	20	
Benzene	0.0421	0.00500	0.0400	0	105	83	117	0.0464	9.75	20	
Chlorobenzene	0.0379	0.00500	0.0400	0	94.7	77	123	0.0371	2.08	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911276
Project: DETREX DS/13811443

QC SUMMARY REPORT

BatchID: R13008

Sample ID: **LCSD 40** SampType: **LCSD** TestCode: **sw_8260LIQ** Units: **mg/L** Prep Date: RunNo: **13008**
Client ID: **ZZZZZZ** Batch ID: **R13008** TestNo: **SW8260B** Analysis Date: **11/20/2009** SeqNo: **163166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.0360	0.00500	0.0400	0	89.9	80	120	0.0349	3.11	20	
Trichloroethene	0.0385	0.00500	0.0400	0	96.1	79	121	0.0400	3.90	20	
Surr: 4-Bromofluorobenzene	97.2		100.0		97.2	86	115		0	20	
Surr: Dibromofluoromethane	109		100.0		109	86	118		0	20	
Surr: Toluene-d8	94.0		100.0		94.0	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER # 0911276

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY Martin Schmidt, URS Corporation-Cleveland
ADDRESS 1375 Euclid Avenue Suite 600
CITY Cleveland STATE OH ZIP CODE 44115
PHONE NO. 216-622-2400 FAX NO. 216-622-2464
EMAIL: Martin_Schmidt@URSCorp.com PROJECT NAME/NUMBER DETREX DS/13811443

INVOICE TO: NAME
ADDRESS
CITY STATE ZIP CODE
PHONE NO. FAX NO.
PO#: QUOTE #: 569

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature

Special Instructions & QC Requirements (additional charge for QC):
Also email results to Peggy Schuler

TEMP (°C) 6
VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	VOC 5035/8260B	SVOC 8270C	PID	
1	EX-8(1-2)	11/9/09	1352		X	5	S	X	X	2600	-1
2	EX-9(1-2)		1355		X	5	S	X	X	8167	-2
3	EX-10(1-2)		1357		X	5	S	X	X	1729	-3
4	EX-11(1-2)		1400		X	5	S	X	X	2054	-4
5	EX-12(1-2)		1644		X	5	S	X	X	2099	-5
6	EX-13(1-2)		1648		X	5	S	X	X	306	-6
7	EX-14(1-2)		1651		X	5	S	X	X	929	-7
8	EX-15(1-2)		1656		X	5	S	X	X	1618	-8
9	EX-16(1-2)		1654		X	5	S	X	X	376	-9
10	DUP-2		—		X	5	S	X	X	1000-4000	-10
11	FIELD BLANK PB	—	—	—	—	2	L	X			-11
12											
13											

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
Anton Heitger		11/10/09	1445			11/10/09	1535
Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received in laboratory by: (Signature)		Date	Time
						11/10/09	1535 ~~1446~~

Precision Analytical, Inc.

samplereceivinglog.xls

Sample Receiving Summary Log

'ork Order #: 0911276

Sample Custodian: CM

ate & Time Received: 11/10/09 15:35

Date & Time Logged-In: 11/11/09 8:22

amples Dropped Off By: (✓) PAI ( ) UPS ( ) FedEx ( ) Client ( ) Airborne ( ) DHL ( ) Other _____

amples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:

) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envaritage ( ) J. & H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: (✓) Aqueous (✓) Liquid ( ) Soil/Sludge (✓) Solid ( ) Oil ( ) Gas
( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no
Properly Filled Out (✓) yes ( ) no

Sample Containers: (✓) Glass (✓) VOA ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag
( ) D.O. Bottle ( ) Sterile Bottle no pres. (✓) Terra Core Kit
All Present (✓) yes ( ) no ( ) na
Intact (✓) yes ( ) no ( ) na
Salvagable ( ) yes ( ) no (✓) na
# of containers: 21 (including 9 terra core kits)

Sample Labels: Legible (✓) yes ( ) no ( ) na
Match COC (✓) yes ( ) no

Misc. Information: Preserved ( ) yes ( ) no (✓) na
On Ice/Cooling 6 °C (✓) yes ( ) no ( ) na
Past Hold Time ( ) yes (✓) no ( ) na
Contain Headspace ** ( ) yes (✓) no (✓) na
pH w/in range ( ) yes ( ) no (✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____
Phenol _____ TOC _____ TKN _____ Phos _____
Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

_____

_____

_____

_____

_____

_____

if client is called provided information in the section above

Form Approved By:
Mark Kalmeyer: MK
Scott Bolam: SCB

Form#: 244
Rev#: 0
Eff. Date: 1/2/08

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

December 04, 2009

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115
TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex DS/ 13811443 Order No.: 0911393

Dear Martin Schmidt:

Precision Analytical, Inc. received 12 sample(s) on 11/13/2009 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Case Narrative

WO#: **0911393**

Date: **12/4/2009**

CLIENT: URS Corp.
Project: Detrex DS/ 13811443

QC Exceptions and Explanations

Semi-Volatile Organics:

Surrogates (general): data is only flagged when any two surrogate compounds of either the acid or base/neutral fraction are out of compliance, or if any one surrogate is less than 10%. Also, high recovery with non-detect results; high bias QC does not affect non-detect results.

Volatile Organics:

Matrix Spikes (Samples 0911393-005, 0911276-006): On the LIMS QC Report, SPK Ref Val shows hits for Trichloroethene for both samples. LIMS report shows units of mg/kg-dry. The numbers under SPK Ref Val are displayed in ug/kg-dry.

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Project: Detrex DS/ 13811443

Lab ID: 0911393-001

Client Sample ID DS-30(0-1)

Collection Date: 11/12/2009 10:50:00 AM

Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
1,2-Dichlorobenzene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
1,3-Dichlorobenzene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
1,4-Dichlorobenzene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2,4,5-Trichlorophenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2,4,6-Trichlorophenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2,4-Dichlorophenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2,4-Dimethylphenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2,4-Dinitrophenol	ND	1.97		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2,4-Dinitrotoluene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2,6-Dinitrotoluene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2-Chloronaphthalene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2-Chlorophenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2-Methylnaphthalene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2-Methylphenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2-Nitroaniline	ND	1.97		mg/Kg-dry	1	11/24/2009 1:58:00 AM
2-Nitrophenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
3&4 Methylphenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
3,3'-Dichlorobenzidine	ND	0.763		mg/Kg-dry	1	11/24/2009 1:58:00 AM
3-Nitroaniline	ND	1.97		mg/Kg-dry	1	11/24/2009 1:58:00 AM
4,6-Dinitro-2-methylphenol	ND	1.97		mg/Kg-dry	1	11/24/2009 1:58:00 AM
4-Bromophenyl phenyl ether	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
4-Chloro-3-methylphenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
4-Chloroaniline	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
4-Chlorophenyl phenyl ether	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
4-Nitroaniline	ND	0.763		mg/Kg-dry	1	11/24/2009 1:58:00 AM
4-Nitrophenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Acenaphthene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Acenaphthylene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Anthracene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Benzo (a) anthracene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Benzo(a)pyrene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Benzo(b)fluoranthene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Benzo(g,h,i)perylene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009 10:50:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-001

Matrix: SOLID

Client Sample ID DS-30(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Benzoic acid	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Benzyl alcohol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Bis(2-chloroethoxy)methane	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Bis(2-chloroethyl) ether	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Bis(2-chloroisopropyl) ether	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Butyl benzyl phthalate	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Chrysene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Dibenz(a,h)anthracene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Dibenzofuran	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Diethyl phthalate	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Dimethyl phthalate	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Di-n-butyl phthalate	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Di-n-octyl phthalate	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Fluoranthene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Fluorene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Hexachlorobenzene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Hexachlorobutadiene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Hexachlorocyclopentadiene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Hexachloroethane	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Isophorone	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Naphthalene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Nitrobenzene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
N-Nitrosodi-n-propylamine	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
N-Nitrosodiphenylamine	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Pentachlorophenol	ND	1.97		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Phenanthrene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Phenol	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Pyrene	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Pyridine	ND	0.382		mg/Kg-dry	1	11/24/2009 1:58:00 AM
Surr: 2,4,6-Tribromophenol	218	19-122	S	%REC	1	11/24/2009 1:58:00 AM
Surr: 2-Fluorobiphenyl	30.9	30-115		%REC	1	11/24/2009 1:58:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009 10:50:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-001

Matrix: SOLID

Client Sample ID DS-30(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	83.5	25-121		%REC	1	11/24/2009 1:58:00 AM
Surr: Nitrobenzene-d5	23.8	23-120		%REC	1	11/24/2009 1:58:00 AM
Surr: Phenol-d6	89.7	24-113		%REC	1	11/24/2009 1:58:00 AM
Surr: Terphenyl-d14	39.6	18-137		%REC	1	11/24/2009 1:58:00 AM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
1,1,2,2-Tetrachloroethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
1,1,2-Trichloroethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
1,1-Dichloroethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
1,1-Dichloroethene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
1,2-Dichloroethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
1,2-Dichloropropane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
2-Hexanone	ND	11.5		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
4-Methyl-2-pentanone	ND	2.30		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Acetone	ND	11.5		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Benzene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Bromodichloromethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Bromoform	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Bromomethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Carbon disulfide	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Carbon tetrachloride	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Chlorobenzene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Chloroethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Chloroform	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Chloromethane	ND	1.15		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
cis-1,2-Dichloroethene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
cis-1,3-Dichloropropene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Dibromochloromethane	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Ethylbenzene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
m,p-Xylene	ND	1.15		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Methyl ethyl ketone	ND	11.5		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Methylene chloride	ND	2.30		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 10:50:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-001

Matrix: SOLID

Client Sample ID DS-30(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Styrene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Tetrachloroethene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Toluene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
trans-1,2-Dichloroethene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
trans-1,3-Dichloropropene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Trichloroethene	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Vinyl acetate	ND	1.15		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Vinyl chloride	ND	0.576		mg/Kg-dry	99.2	11/23/2009 9:03:00 PM
Surr: 4-Bromofluorobenzene	104	74-121		%REC	99.2	11/23/2009 9:03:00 PM
Surr: Dibromofluoromethane	103	80-120		%REC	99.2	11/23/2009 9:03:00 PM
Surr: Toluene-d8	99.9	81-117		%REC	99.2	11/23/2009 9:03:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	13.8	0.500		wt%	1	11/18/2009 4:30:00 PM

Qualifiers:

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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:30:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-002

Matrix: SOLID

Client Sample ID DS-28(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
1,2-Dichlorobenzene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
1,3-Dichlorobenzene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
1,4-Dichlorobenzene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2,4,5-Trichlorophenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2,4,6-Trichlorophenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2,4-Dichlorophenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2,4-Dimethylphenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2,4-Dinitrophenol	ND	10.9		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2,4-Dinitrotoluene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2,6-Dinitrotoluene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2-Chloronaphthalene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2-Chlorophenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2-Methylnaphthalene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2-Methylphenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2-Nitroaniline	ND	10.9		mg/Kg-dry	5	11/24/2009 4:13:00 AM
2-Nitrophenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
3&4 Methylphenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
3,3'-Dichlorobenzidine	ND	4.25		mg/Kg-dry	5	11/24/2009 4:13:00 AM
3-Nitroaniline	ND	10.9		mg/Kg-dry	5	11/24/2009 4:13:00 AM
4,6-Dinitro-2-methylphenol	ND	10.9		mg/Kg-dry	5	11/24/2009 4:13:00 AM
4-Bromophenyl phenyl ether	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
4-Chloro-3-methylphenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
4-Chloroaniline	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
4-Chlorophenyl phenyl ether	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
4-Nitroaniline	ND	4.25		mg/Kg-dry	5	11/24/2009 4:13:00 AM
4-Nitrophenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Acenaphthene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Acenaphthylene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Anthracene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Benzo (a) anthracene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Benzo(a)pyrene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Benzo(b)fluoranthene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Benzo(g,h,i)perylene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:30:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-002

Matrix: SOLID

Client Sample ID DS-28(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Benzoic acid	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Benzyl alcohol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Bis(2-chloroethoxy)methane	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Bis(2-chloroethyl) ether	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Bis(2-chloroisopropyl) ether	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Bis(2-ethylhexyl) phthalate	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Butyl benzyl phthalate	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Chrysene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Dibenz(a,h)anthracene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Dibenzofuran	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Diethyl phthalate	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Dimethyl phthalate	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Di-n-butyl phthalate	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Di-n-octyl phthalate	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Fluoranthene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Fluorene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Hexachlorobenzene	9.37	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Hexachlorobutadiene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Hexachlorocyclopentadiene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Hexachloroethane	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Indeno(1,2,3-cd)pyrene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Isophorone	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Naphthalene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Nitrobenzene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
N-Nitrosodi-n-propylamine	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
N-Nitrosodiphenylamine	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Pentachlorophenol	ND	10.9		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Phenanthrene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Phenol	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Pyrene	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Pyridine	ND	2.12		mg/Kg-dry	5	11/24/2009 4:13:00 AM
Surr: 2,4,6-Tribromophenol	225	19-122	S	%REC	5	11/24/2009 4:13:00 AM
Surr: 2-Fluorobiphenyl	30.4	30-115		%REC	5	11/24/2009 4:13:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:30:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-002

Matrix: SOLID

Client Sample ID DS-28(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	78.1	25-121		%REC	5	11/24/2009 4:13:00 AM
Surr: Nitrobenzene-d5	23.0	23-120		%REC	5	11/24/2009 4:13:00 AM
Surr: Phenol-d6	79.8	24-113		%REC	5	11/24/2009 4:13:00 AM
Surr: Terphenyl-d14	36.1	18-137		%REC	5	11/24/2009 4:13:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
1,1,2,2-Tetrachloroethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
1,1,2-Trichloroethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
1,1-Dichloroethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
1,1-Dichloroethene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
1,2-Dichloroethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
1,2-Dichloropropane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
2-Hexanone	ND	12.6		mg/Kg-dry	98	11/23/2009 10:11:00 PM
4-Methyl-2-pentanone	ND	2.52		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Acetone	ND	12.6		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Benzene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Bromodichloromethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Bromoform	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Bromomethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Carbon disulfide	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Carbon tetrachloride	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Chlorobenzene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Chloroethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Chloroform	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Chloromethane	ND	1.26		mg/Kg-dry	98	11/23/2009 10:11:00 PM
cis-1,2-Dichloroethene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
cis-1,3-Dichloropropene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Dibromochloromethane	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Ethylbenzene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
m,p-Xylene	ND	1.26		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Methyl ethyl ketone	ND	12.6		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Methylene chloride	ND	2.52		mg/Kg-dry	98	11/23/2009 10:11:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:30:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-002

Matrix: SOLID

Client Sample ID DS-28(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Styrene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Tetrachloroethene	1.60	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Toluene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
trans-1,2-Dichloroethene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
trans-1,3-Dichloropropene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Trichloroethene	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Vinyl acetate	ND	1.26		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Vinyl chloride	ND	0.631		mg/Kg-dry	98	11/23/2009 10:11:00 PM
Surr: 4-Bromofluorobenzene	101	74-121		%REC	98	11/23/2009 10:11:00 PM
Surr: Dibromofluoromethane	107	80-120		%REC	98	11/23/2009 10:11:00 PM
Surr: Toluene-d8	101	81-117		%REC	98	11/23/2009 10:11:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	22.3	0.500		wt%	1	11/18/2009 4:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:56:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-003

Matrix: SOLID

Client Sample ID DS-22(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
1,2-Dichlorobenzene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
1,3-Dichlorobenzene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
1,4-Dichlorobenzene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2,4,5-Trichlorophenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2,4,6-Trichlorophenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2,4-Dichlorophenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2,4-Dimethylphenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2,4-Dinitrophenol	ND	21.0		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2,4-Dinitrotoluene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2,6-Dinitrotoluene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2-Chloronaphthalene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2-Chlorophenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2-Methylnaphthalene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2-Methylphenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2-Nitroaniline	ND	21.0		mg/Kg-dry	10	11/25/2009 11:03:00 AM
2-Nitrophenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
3&4 Methylphenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
3,3´-Dichlorobenzidine	ND	8.14		mg/Kg-dry	10	11/25/2009 11:03:00 AM
3-Nitroaniline	ND	21.0		mg/Kg-dry	10	11/25/2009 11:03:00 AM
4,6-Dinitro-2-methylphenol	ND	21.0		mg/Kg-dry	10	11/25/2009 11:03:00 AM
4-Bromophenyl phenyl ether	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
4-Chloro-3-methylphenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
4-Chloroaniline	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
4-Chlorophenyl phenyl ether	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
4-Nitroaniline	ND	8.14		mg/Kg-dry	10	11/25/2009 11:03:00 AM
4-Nitrophenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Acenaphthene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Acenaphthylene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Anthracene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Benzo (a) anthracene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Benzo(a)pyrene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Benzo(b)fluoranthene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Benzo(g,h,i)perylene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM

Qualifiers:

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H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:56:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-003

Matrix: SOLID

Client Sample ID DS-22(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Benzoic acid	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Benzyl alcohol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Bis(2-chloroethoxy)methane	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Bis(2-chloroethyl) ether	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Bis(2-chloroisopropyl) ether	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Bis(2-ethylhexyl) phthalate	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Butyl benzyl phthalate	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Chrysene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Dibenz(a,h)anthracene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Dibenzofuran	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Diethyl phthalate	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Dimethyl phthalate	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Di-n-butyl phthalate	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Di-n-octyl phthalate	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Fluoranthene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Fluorene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Hexachlorobenzene	27.3	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Hexachlorobutadiene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Hexachlorocyclopentadiene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Hexachloroethane	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Indeno(1,2,3-cd)pyrene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Isophorone	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Naphthalene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Nitrobenzene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
N-Nitrosodi-n-propylamine	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
N-Nitrosodiphenylamine	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Pentachlorophenol	ND	21.0		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Phenanthrene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Phenol	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Pyrene	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Pyridine	ND	4.07		mg/Kg-dry	10	11/25/2009 11:03:00 AM
Surr: 2,4,6-Tribromophenol	142	19-122	S	%REC	10	11/25/2009 11:03:00 AM
Surr: 2-Fluorobiphenyl	23.5	30-115	S	%REC	10	11/25/2009 11:03:00 AM

Qualifiers:

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H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:56:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-003

Matrix: SOLID

Client Sample ID DS-22(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	58.6	25-121		%REC	10	11/25/2009 11:03:00 AM
Surr: Nitrobenzene-d5	37.4	23-120		%REC	10	11/25/2009 11:03:00 AM
Surr: Phenol-d6	61.1	24-113		%REC	10	11/25/2009 11:03:00 AM
Surr: Terphenyl-d14	24.5	18-137		%REC	10	11/25/2009 11:03:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
1,1,2,2-Tetrachloroethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
1,1,2-Trichloroethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
1,1-Dichloroethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
1,1-Dichloroethene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
1,2-Dichloroethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
1,2-Dichloropropane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
2-Hexanone	ND	11.5		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
4-Methyl-2-pentanone	ND	2.29		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Acetone	ND	11.5		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Benzene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Bromodichloromethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Bromoform	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Bromomethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Carbon disulfide	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Carbon tetrachloride	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Chlorobenzene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Chloroethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Chloroform	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Chloromethane	ND	1.15		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
cis-1,2-Dichloroethene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
cis-1,3-Dichloropropene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Dibromochloromethane	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Ethylbenzene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
m,p-Xylene	ND	1.15		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Methyl ethyl ketone	ND	11.5		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Methylene chloride	ND	2.29		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 11:56:00 AM

Project: Detrex DS/ 13811443

Lab ID: 0911393-003

Matrix: SOLID

Client Sample ID DS-22(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Styrene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Tetrachloroethene	6.46	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Toluene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
trans-1,2-Dichloroethene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
trans-1,3-Dichloropropene	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Trichloroethene	1.27	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Vinyl acetate	ND	1.15		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Vinyl chloride	ND	0.573		mg/Kg-dry	92.6	11/23/2009 10:45:00 PM
Surr: 4-Bromofluorobenzene	100	74-121		%REC	92.6	11/23/2009 10:45:00 PM
Surr: Dibromofluoromethane	99.7	80-120		%REC	92.6	11/23/2009 10:45:00 PM
Surr: Toluene-d8	111	81-117		%REC	92.6	11/23/2009 10:45:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	19.2	0.500		wt%	1	11/18/2009 4:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 1:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-004

Matrix: SOLID

Client Sample ID DS-20(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
1,2-Dichlorobenzene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
1,3-Dichlorobenzene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
1,4-Dichlorobenzene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2,4,5-Trichlorophenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2,4,6-Trichlorophenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2,4-Dichlorophenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2,4-Dimethylphenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2,4-Dinitrophenol	ND	2.09		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2,4-Dinitrotoluene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2,6-Dinitrotoluene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2-Chloronaphthalene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2-Chlorophenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2-Methylnaphthalene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2-Methylphenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2-Nitroaniline	ND	2.09		mg/Kg-dry	1	11/24/2009 2:43:00 AM
2-Nitrophenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
3&4 Methylphenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
3,3'-Dichlorobenzidine	ND	0.811		mg/Kg-dry	1	11/24/2009 2:43:00 AM
3-Nitroaniline	ND	2.09		mg/Kg-dry	1	11/24/2009 2:43:00 AM
4,6-Dinitro-2-methylphenol	ND	2.09		mg/Kg-dry	1	11/24/2009 2:43:00 AM
4-Bromophenyl phenyl ether	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
4-Chloro-3-methylphenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
4-Chloroaniline	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
4-Chlorophenyl phenyl ether	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
4-Nitroaniline	ND	0.811		mg/Kg-dry	1	11/24/2009 2:43:00 AM
4-Nitrophenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Acenaphthene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Acenaphthylene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Anthracene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Benzo (a) anthracene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Benzo(a)pyrene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Benzo(b)fluoranthene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Benzo(g,h,i)perylene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 1:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-004 **Matrix:** SOLID

Client Sample ID DS-20(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Benzoic acid	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Benzyl alcohol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Bis(2-chloroethoxy)methane	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Bis(2-chloroethyl) ether	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Bis(2-chloroisopropyl) ether	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Butyl benzyl phthalate	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Chrysene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Dibenz(a,h)anthracene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Dibenzofuran	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Diethyl phthalate	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Dimethyl phthalate	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Di-n-butyl phthalate	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Di-n-octyl phthalate	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Fluoranthene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Fluorene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Hexachlorobenzene	12.1	4.05		mg/Kg-dry	10	11/25/2009 3:50:00 AM
Hexachlorobutadiene	3.22	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Hexachlorocyclopentadiene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Hexachloroethane	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Isophorone	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Naphthalene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Nitrobenzene	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
N-Nitrosodi-n-propylamine	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
N-Nitrosodiphenylamine	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Pentachlorophenol	ND	2.09		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Phenanthrene	1.24	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Phenol	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Pyrene	0.669	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Pyridine	ND	0.405		mg/Kg-dry	1	11/24/2009 2:43:00 AM
Surr: 2,4,6-Tribromophenol	260	19-122	S	%REC	1	11/24/2009 2:43:00 AM
Surr: 2-Fluorobiphenyl	29.3	30-115	S	%REC	1	11/24/2009 2:43:00 AM

Qualifiers:

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H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 1:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-004 **Matrix:** SOLID

Client Sample ID DS-20(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	78.8	25-121		%REC	1	11/24/2009 2:43:00 AM
Surr: Nitrobenzene-d5	23.1	23-120		%REC	1	11/24/2009 2:43:00 AM
Surr: Phenol-d6	87.4	24-113		%REC	1	11/24/2009 2:43:00 AM
Surr: Terphenyl-d14	37.4	18-137		%REC	1	11/24/2009 2:43:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
1,1,2,2-Tetrachloroethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
1,1,2-Trichloroethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
1,1-Dichloroethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
1,1-Dichloroethene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
1,2-Dichloroethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
1,2-Dichloropropane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
2-Hexanone	ND	10.3		mg/Kg-dry	84	11/23/2009 9:36:00 PM
4-Methyl-2-pentanone	ND	2.06		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Acetone	ND	10.3		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Benzene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Bromodichloromethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Bromoform	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Bromomethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Carbon disulfide	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Carbon tetrachloride	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Chlorobenzene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Chloroethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Chloroform	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Chloromethane	ND	1.03		mg/Kg-dry	84	11/23/2009 9:36:00 PM
cis-1,2-Dichloroethene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
cis-1,3-Dichloropropene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Dibromochloromethane	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Ethylbenzene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
m,p-Xylene	ND	1.03		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Methyl ethyl ketone	ND	10.3		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Methylene chloride	ND	2.06		mg/Kg-dry	84	11/23/2009 9:36:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 1:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-004

Matrix: SOLID

Client Sample ID DS-20(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Styrene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Tetrachloroethene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Toluene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
trans-1,2-Dichloroethene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
trans-1,3-Dichloropropene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Trichloroethene	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Vinyl acetate	ND	1.03		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Vinyl chloride	ND	0.516		mg/Kg-dry	84	11/23/2009 9:36:00 PM
Surr: 4-Bromofluorobenzene	99.6	74-121		%REC	84	11/23/2009 9:36:00 PM
Surr: Dibromofluoromethane	109	80-120		%REC	84	11/23/2009 9:36:00 PM
Surr: Toluene-d8	96.8	81-117		%REC	84	11/23/2009 9:36:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	18.6	0.500		wt%	1	11/18/2009 4:30:00 PM

Qualifiers:

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Analytical Report

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WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 2:35:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-005

Matrix: SOLID

Client Sample ID DS-16(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
1,2-Dichlorobenzene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
1,3-Dichlorobenzene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
1,4-Dichlorobenzene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2,4,5-Trichlorophenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2,4,6-Trichlorophenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2,4-Dichlorophenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2,4-Dimethylphenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2,4-Dinitrophenol	ND	124		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2,4-Dinitrotoluene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2,6-Dinitrotoluene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2-Chloronaphthalene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2-Chlorophenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2-Methylnaphthalene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2-Methylphenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2-Nitroaniline	ND	124		mg/Kg-dry	50	11/25/2009 11:49:00 AM
2-Nitrophenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
3&4 Methylphenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
3,3'-Dichlorobenzidine	ND	48.2		mg/Kg-dry	50	11/25/2009 11:49:00 AM
3-Nitroaniline	ND	124		mg/Kg-dry	50	11/25/2009 11:49:00 AM
4,6-Dinitro-2-methylphenol	ND	124		mg/Kg-dry	50	11/25/2009 11:49:00 AM
4-Bromophenyl phenyl ether	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
4-Chloro-3-methylphenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
4-Chloroaniline	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
4-Chlorophenyl phenyl ether	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
4-Nitroaniline	ND	48.2		mg/Kg-dry	50	11/25/2009 11:49:00 AM
4-Nitrophenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Acenaphthene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Acenaphthylene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Anthracene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Benzo (a) anthracene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Benzo(a)pyrene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Benzo(b)fluoranthene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Benzo(g,h,i)perylene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 2:35:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-005

Matrix: SOLID

Client Sample ID DS-16(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Benzoic acid	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Benzyl alcohol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Bis(2-chloroethoxy)methane	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Bis(2-chloroethyl) ether	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Bis(2-chloroisopropyl) ether	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Bis(2-ethylhexyl) phthalate	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Butyl benzyl phthalate	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Chrysene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Dibenz(a,h)anthracene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Dibenzofuran	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Diethyl phthalate	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Dimethyl phthalate	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Di-n-butyl phthalate	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Di-n-octyl phthalate	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Fluoranthene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Fluorene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Hexachlorobenzene	34.7	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Hexachlorobutadiene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Hexachlorocyclopentadiene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Hexachloroethane	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Indeno(1,2,3-cd)pyrene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Isophorone	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Naphthalene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Nitrobenzene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
N-Nitrosodi-n-propylamine	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
N-Nitrosodiphenylamine	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Pentachlorophenol	ND	124		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Phenanthrene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Phenol	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Pyrene	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Pyridine	ND	24.1		mg/Kg-dry	50	11/25/2009 11:49:00 AM
Surr: 2,4,6-Tribromophenol	117	19-122		%REC	50	11/25/2009 11:49:00 AM
Surr: 2-Fluorobiphenyl	49.0	30-115		%REC	50	11/25/2009 11:49:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 2:35:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-005 **Matrix:** SOLID

Client Sample ID DS-16(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	17.0	25-121	S	%REC	50	11/25/2009 11:49:00 AM
Surr: Nitrobenzene-d5	25.0	23-120		%REC	50	11/25/2009 11:49:00 AM
Surr: Phenol-d6	26.5	24-113		%REC	50	11/25/2009 11:49:00 AM
Surr: Terphenyl-d14	25.0	18-137		%REC	50	11/25/2009 11:49:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
1,1,2,2-Tetrachloroethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
1,1,2-Trichloroethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
1,1-Dichloroethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
1,1-Dichloroethene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
1,2-Dichloroethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
1,2-Dichloropropane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
2-Hexanone	ND	14.8		mg/Kg-dry	101	11/23/2009 11:18:00 PM
4-Methyl-2-pentanone	ND	2.95		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Acetone	ND	14.8		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Benzene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Bromodichloromethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Bromoform	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Bromomethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Carbon disulfide	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Carbon tetrachloride	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Chlorobenzene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Chloroethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Chloroform	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Chloromethane	ND	1.48		mg/Kg-dry	101	11/23/2009 11:18:00 PM
cis-1,2-Dichloroethene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
cis-1,3-Dichloropropene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Dibromochloromethane	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Ethylbenzene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
m,p-Xylene	ND	1.48		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Methyl ethyl ketone	ND	14.8		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Methylene chloride	ND	2.95		mg/Kg-dry	101	11/23/2009 11:18:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 2:35:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-005

Matrix: SOLID

Client Sample ID DS-16(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Styrene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Tetrachloroethene	4.50	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Toluene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
trans-1,2-Dichloroethene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
trans-1,3-Dichloropropene	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Trichloroethene	1.65	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Vinyl acetate	ND	1.48		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Vinyl chloride	ND	0.738		mg/Kg-dry	101	11/23/2009 11:18:00 PM
Surr: 4-Bromofluorobenzene	99.7	74-121		%REC	101	11/23/2009 11:18:00 PM
Surr: Dibromofluoromethane	93.4	80-120		%REC	101	11/23/2009 11:18:00 PM
Surr: Toluene-d8	112	81-117		%REC	101	11/23/2009 11:18:00 PM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	31.5	0.500		wt%	1	11/23/2009 4:50:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 2:50:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-006 **Matrix:** SOLID

Client Sample ID DS-15(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
1,2-Dichlorobenzene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
1,3-Dichlorobenzene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
1,4-Dichlorobenzene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2,4,5-Trichlorophenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2,4,6-Trichlorophenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2,4-Dichlorophenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2,4-Dimethylphenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2,4-Dinitrophenol	ND	24.5		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2,4-Dinitrotoluene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2,6-Dinitrotoluene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2-Chloronaphthalene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2-Chlorophenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2-Methylnaphthalene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2-Methylphenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2-Nitroaniline	ND	24.5		mg/Kg-dry	10	11/25/2009 8:20:00 AM
2-Nitrophenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
3&4 Methylphenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
3,3'-Dichlorobenzidine	ND	9.52		mg/Kg-dry	10	11/25/2009 8:20:00 AM
3-Nitroaniline	ND	24.5		mg/Kg-dry	10	11/25/2009 8:20:00 AM
4,6-Dinitro-2-methylphenol	ND	24.5		mg/Kg-dry	10	11/25/2009 8:20:00 AM
4-Bromophenyl phenyl ether	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
4-Chloro-3-methylphenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
4-Chloroaniline	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
4-Chlorophenyl phenyl ether	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
4-Nitroaniline	ND	9.52		mg/Kg-dry	10	11/25/2009 8:20:00 AM
4-Nitrophenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Acenaphthene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Acenaphthylene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Anthracene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Benzo (a) anthracene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Benzo(a)pyrene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Benzo(b)fluoranthene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Benzo(g,h,i)perylene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM

Qualifiers:

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DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp. **Collection Date:** 11/12/2009 2:50:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-006 **Matrix:** SOLID

Client Sample ID DS-15(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Benzoic acid	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Benzyl alcohol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Bis(2-chloroethoxy)methane	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Bis(2-chloroethyl) ether	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Bis(2-chloroisopropyl) ether	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Bis(2-ethylhexyl) phthalate	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Butyl benzyl phthalate	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Chrysene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Dibenz(a,h)anthracene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Dibenzofuran	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Diethyl phthalate	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Dimethyl phthalate	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Di-n-butyl phthalate	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Di-n-octyl phthalate	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Fluoranthene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Fluorene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Hexachlorobenzene	12.4	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Hexachlorobutadiene	388	23.8		mg/Kg-dry	50	11/25/2009 2:03:00 PM
Hexachlorocyclopentadiene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Hexachloroethane	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Indeno(1,2,3-cd)pyrene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Isophorone	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Naphthalene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Nitrobenzene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
N-Nitrosodi-n-propylamine	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
N-Nitrosodiphenylamine	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Pentachlorophenol	ND	24.5		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Phenanthrene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Phenol	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Pyrene	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Pyridine	ND	4.76		mg/Kg-dry	10	11/25/2009 8:20:00 AM
Surr: 2,4,6-Tribromophenol	5,510	19-122	S	%REC	10	11/25/2009 8:20:00 AM
Surr: 2-Fluorobiphenyl	11.8	30-115	S	%REC	10	11/25/2009 8:20:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009 2:50:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-006

Matrix: SOLID

Client Sample ID DS-15(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	75.3	25-121		%REC	10	11/25/2009 8:20:00 AM
Surr: Nitrobenzene-d5	42.9	23-120		%REC	10	11/25/2009 8:20:00 AM
Surr: Phenol-d6	81.9	24-113		%REC	10	11/25/2009 8:20:00 AM
Surr: Terphenyl-d14	101	18-137		%REC	10	11/25/2009 8:20:00 AM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
1,1,2,2-Tetrachloroethane	39.8	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
1,1,2-Trichloroethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
1,1-Dichloroethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
1,1-Dichloroethene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
1,2-Dichloroethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
1,2-Dichloropropane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
2-Hexanone	ND	146		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
4-Methyl-2-pentanone	ND	29.2		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Acetone	ND	146		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Benzene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Bromodichloromethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Bromoform	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Bromomethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Carbon disulfide	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Carbon tetrachloride	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Chlorobenzene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Chloroethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Chloroform	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Chloromethane	ND	14.6		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
cis-1,2-Dichloroethene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
cis-1,3-Dichloropropene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Dibromochloromethane	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Ethylbenzene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
m,p-Xylene	ND	14.6		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Methyl ethyl ketone	ND	146		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Methylene chloride	ND	29.2		mg/Kg-dry	1010	11/24/2009 3:17:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 2:50:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-006

Matrix: SOLID

Client Sample ID DS-15(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Styrene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Tetrachloroethene	152	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Toluene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
trans-1,2-Dichloroethene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
trans-1,3-Dichloropropene	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Trichloroethene	631	58.5		mg/Kg-dry	8081	11/25/2009 9:32:00 AM
Vinyl acetate	ND	14.6		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Vinyl chloride	ND	7.31		mg/Kg-dry	1010	11/24/2009 3:17:00 AM
Surr: 4-Bromofluorobenzene	93.3	74-121		%REC	1010	11/24/2009 3:17:00 AM
Surr: Dibromofluoromethane	101	80-120		%REC	1010	11/24/2009 3:17:00 AM
Surr: Toluene-d8	99.6	81-117		%REC	1010	11/24/2009 3:17:00 AM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	30.9	0.500		wt%	1	11/18/2009 4:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.
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TEL: (216) 663-0808
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Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:05:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-007

Matrix: SOLID

Client Sample ID DS-12(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
1,2-Dichlorobenzene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
1,3-Dichlorobenzene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
1,4-Dichlorobenzene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2,4,5-Trichlorophenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2,4,6-Trichlorophenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2,4-Dichlorophenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2,4-Dimethylphenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2,4-Dinitrophenol	ND	2.12		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2,4-Dinitrotoluene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2,6-Dinitrotoluene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2-Chloronaphthalene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2-Chlorophenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2-Methylnaphthalene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2-Methylphenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2-Nitroaniline	ND	2.12		mg/Kg-dry	1	11/24/2009 3:28:00 AM
2-Nitrophenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
3&4 Methylphenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
3,3'-Dichlorobenzidine	ND	0.822		mg/Kg-dry	1	11/24/2009 3:28:00 AM
3-Nitroaniline	ND	2.12		mg/Kg-dry	1	11/24/2009 3:28:00 AM
4,6-Dinitro-2-methylphenol	ND	2.12		mg/Kg-dry	1	11/24/2009 3:28:00 AM
4-Bromophenyl phenyl ether	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
4-Chloro-3-methylphenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
4-Chloroaniline	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
4-Chlorophenyl phenyl ether	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
4-Nitroaniline	ND	0.822		mg/Kg-dry	1	11/24/2009 3:28:00 AM
4-Nitrophenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Acenaphthene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Acenaphthylene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Anthracene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Benzo (a) anthracene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Benzo(a)pyrene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Benzo(b)fluoranthene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Benzo(g,h,i)perylene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 3:05:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-007 **Matrix:** SOLID

Client Sample ID DS-12(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Benzoic acid	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Benzyl alcohol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Bis(2-chloroethoxy)methane	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Bis(2-chloroethyl) ether	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Bis(2-chloroisopropyl) ether	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Butyl benzyl phthalate	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Chrysene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Dibenz(a,h)anthracene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Dibenzofuran	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Diethyl phthalate	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Dimethyl phthalate	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Di-n-butyl phthalate	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Di-n-octyl phthalate	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Fluoranthene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Fluorene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Hexachlorobenzene	19.5	4.11		mg/Kg-dry	10	11/25/2009 4:35:00 AM
Hexachlorobutadiene	4.01	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Hexachlorocyclopentadiene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Hexachloroethane	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Isophorone	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Naphthalene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Nitrobenzene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
N-Nitrosodi-n-propylamine	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
N-Nitrosodiphenylamine	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Pentachlorophenol	ND	2.12		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Phenanthrene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Phenol	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Pyrene	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Pyridine	ND	0.411		mg/Kg-dry	1	11/24/2009 3:28:00 AM
Surr: 2,4,6-Tribromophenol	293	19-122	S	%REC	1	11/24/2009 3:28:00 AM
Surr: 2-Fluorobiphenyl	31.1	30-115		%REC	1	11/24/2009 3:28:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.
Project: Detrex DS/ 13811443
Lab ID: 0911393-007
Client Sample ID DS-12(0-1)

Collection Date: 11/12/2009 3:05:00 PM
Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	82.3	25-121		%REC	1	11/24/2009 3:28:00 AM
Surr: Nitrobenzene-d5	26.6	23-120		%REC	1	11/24/2009 3:28:00 AM
Surr: Phenol-d6	91.5	24-113		%REC	1	11/24/2009 3:28:00 AM
Surr: Terphenyl-d14	41.0	18-137		%REC	1	11/24/2009 3:28:00 AM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
1,1,2,2-Tetrachloroethane	5.59	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
1,1,2-Trichloroethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
1,1-Dichloroethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
1,1-Dichloroethene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
1,2-Dichloroethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
1,2-Dichloropropane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
2-Hexanone	ND	9.15		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
4-Methyl-2-pentanone	ND	1.83		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Acetone	ND	9.15		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Benzene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Bromodichloromethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Bromoform	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Bromomethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Carbon disulfide	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Carbon tetrachloride	1.87	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Chlorobenzene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Chloroethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Chloroform	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Chloromethane	ND	0.915		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
cis-1,2-Dichloroethene	0.628	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
cis-1,3-Dichloropropene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Dibromochloromethane	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Ethylbenzene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
m,p-Xylene	ND	0.915		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Methyl ethyl ketone	ND	9.15		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Methylene chloride	ND	1.83		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:05:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-007

Matrix: SOLID

Client Sample ID DS-12(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Styrene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Tetrachloroethene	7.54	7.32		mg/Kg-dry	1471	11/24/2009 3:50:00 AM
Toluene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
trans-1,2-Dichloroethene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
trans-1,3-Dichloropropene	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Trichloroethene	8.32	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Vinyl acetate	ND	0.915		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Vinyl chloride	ND	0.457		mg/Kg-dry	73.5	11/25/2009 10:40:00 AM
Surr: 4-Bromofluorobenzene	97.2	74-121		%REC	73.5	11/25/2009 10:40:00 AM
Surr: Dibromofluoromethane	99.4	80-120		%REC	73.5	11/25/2009 10:40:00 AM
Surr: Toluene-d8	97.7	81-117		%REC	73.5	11/25/2009 10:40:00 AM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	19.7	0.500		wt%	1	11/23/2009 4:50:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 3:20:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-008 **Matrix:** SOLID

Client Sample ID DS-10(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
1,2-Dichlorobenzene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
1,3-Dichlorobenzene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
1,4-Dichlorobenzene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2,4,5-Trichlorophenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2,4,6-Trichlorophenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2,4-Dichlorophenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2,4-Dimethylphenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2,4-Dinitrophenol	ND	181		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2,4-Dinitrotoluene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2,6-Dinitrotoluene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2-Chloronaphthalene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2-Chlorophenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2-Methylnaphthalene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2-Methylphenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2-Nitroaniline	ND	181		mg/Kg-dry	50	11/25/2009 3:34:00 PM
2-Nitrophenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
3&4 Methylphenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
3,3'-Dichlorobenzidine	ND	70.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
3-Nitroaniline	ND	181		mg/Kg-dry	50	11/25/2009 3:34:00 PM
4,6-Dinitro-2-methylphenol	ND	181		mg/Kg-dry	50	11/25/2009 3:34:00 PM
4-Bromophenyl phenyl ether	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
4-Chloro-3-methylphenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
4-Chloroaniline	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
4-Chlorophenyl phenyl ether	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
4-Nitroaniline	ND	70.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
4-Nitrophenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Acenaphthene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Acenaphthylene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Anthracene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Benzo (a) anthracene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Benzo(a)pyrene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Benzo(b)fluoranthene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Benzo(g,h,i)perylene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:20:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-008

Matrix: SOLID

Client Sample ID DS-10(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Benzoic acid	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Benzyl alcohol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Bis(2-chloroethoxy)methane	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Bis(2-chloroethyl) ether	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Bis(2-chloroisopropyl) ether	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Bis(2-ethylhexyl) phthalate	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Butyl benzyl phthalate	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Chrysene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Dibenz(a,h)anthracene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Dibenzofuran	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Diethyl phthalate	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Dimethyl phthalate	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Di-n-butyl phthalate	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Di-n-octyl phthalate	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Fluoranthene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Fluorene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Hexachlorobenzene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Hexachlorobutadiene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Hexachlorocyclopentadiene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Hexachloroethane	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Indeno(1,2,3-cd)pyrene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Isophorone	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Naphthalene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Nitrobenzene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
N-Nitrosodi-n-propylamine	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
N-Nitrosodiphenylamine	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Pentachlorophenol	ND	181		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Phenanthrene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Phenol	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Pyrene	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Pyridine	ND	35.1		mg/Kg-dry	50	11/25/2009 3:34:00 PM
Surr: 2,4,6-Tribromophenol	91.1	19-122		%REC	50	11/25/2009 3:34:00 PM
Surr: 2-Fluorobiphenyl	17.5	30-115	S	%REC	50	11/25/2009 3:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Website:
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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:20:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-008

Matrix: SOLID

Client Sample ID DS-10(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	36.5	25-121		%REC	50	11/25/2009 3:34:00 PM
Surr: Nitrobenzene-d5	26.0	23-120		%REC	50	11/25/2009 3:34:00 PM
Surr: Phenol-d6	31.5	24-113		%REC	50	11/25/2009 3:34:00 PM
Surr: Terphenyl-d14	19.5	18-137		%REC	50	11/25/2009 3:34:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
1,1,2,2-Tetrachloroethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
1,1,2-Trichloroethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
1,1-Dichloroethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
1,1-Dichloroethene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
1,2-Dichloroethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
1,2-Dichloropropane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
2-Hexanone	ND	21.5		mg/Kg-dry	101	11/25/2009 11:15:00 AM
4-Methyl-2-pentanone	ND	4.29		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Acetone	ND	21.5		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Benzene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Bromodichloromethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Bromoform	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Bromomethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Carbon disulfide	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Carbon tetrachloride	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Chlorobenzene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Chloroethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Chloroform	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Chloromethane	ND	2.15		mg/Kg-dry	101	11/25/2009 11:15:00 AM
cis-1,2-Dichloroethene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
cis-1,3-Dichloropropene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Dibromochloromethane	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Ethylbenzene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
m,p-Xylene	ND	2.15		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Methyl ethyl ketone	ND	21.5		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Methylene chloride	ND	4.29		mg/Kg-dry	101	11/25/2009 11:15:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 3:20:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-008 **Matrix:** SOLID

Client Sample ID DS-10(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Styrene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Tetrachloroethene	2.99	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Toluene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
trans-1,2-Dichloroethene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
trans-1,3-Dichloropropene	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Trichloroethene	1.14	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Vinyl acetate	ND	2.15		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Vinyl chloride	ND	1.07		mg/Kg-dry	101	11/25/2009 11:15:00 AM
Surr: 4-Bromofluorobenzene	98.5	74-121		%REC	101	11/25/2009 11:15:00 AM
Surr: Dibromofluoromethane	98.7	80-120		%REC	101	11/25/2009 11:15:00 AM
Surr: Toluene-d8	109	81-117		%REC	101	11/25/2009 11:15:00 AM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	52.9	0.500		wt%	1	11/23/2009 4:50:00 PM

Qualifiers:

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Analytical Report

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WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:40:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-009

Matrix: SOLID

Client Sample ID DS-6(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
1,2-Dichlorobenzene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
1,3-Dichlorobenzene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
1,4-Dichlorobenzene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2,4,5-Trichlorophenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2,4,6-Trichlorophenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2,4-Dichlorophenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2,4-Dimethylphenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2,4-Dinitrophenol	ND	23.2		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2,4-Dinitrotoluene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2,6-Dinitrotoluene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2-Chloronaphthalene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2-Chlorophenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2-Methylnaphthalene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2-Methylphenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2-Nitroaniline	ND	23.2		mg/Kg-dry	10	11/25/2009 1:18:00 PM
2-Nitrophenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
3&4 Methylphenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
3,3'-Dichlorobenzidine	ND	9.01		mg/Kg-dry	10	11/25/2009 1:18:00 PM
3-Nitroaniline	ND	23.2		mg/Kg-dry	10	11/25/2009 1:18:00 PM
4,6-Dinitro-2-methylphenol	ND	23.2		mg/Kg-dry	10	11/25/2009 1:18:00 PM
4-Bromophenyl phenyl ether	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
4-Chloro-3-methylphenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
4-Chloroaniline	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
4-Chlorophenyl phenyl ether	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
4-Nitroaniline	ND	9.01		mg/Kg-dry	10	11/25/2009 1:18:00 PM
4-Nitrophenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Acenaphthene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Acenaphthylene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Anthracene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Benzo (a) anthracene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Benzo(a)pyrene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Benzo(b)fluoranthene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Benzo(g,h,i)perylene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:40:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-009

Matrix: SOLID

Client Sample ID DS-6(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Benzoic acid	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Benzyl alcohol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Bis(2-chloroethoxy)methane	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Bis(2-chloroethyl) ether	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Bis(2-chloroisopropyl) ether	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Bis(2-ethylhexyl) phthalate	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Butyl benzyl phthalate	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Chrysene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Dibenz(a,h)anthracene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Dibenzofuran	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Diethyl phthalate	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Dimethyl phthalate	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Di-n-butyl phthalate	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Di-n-octyl phthalate	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Fluoranthene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Fluorene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Hexachlorobenzene	36.4	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Hexachlorobutadiene	8.43	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Hexachlorocyclopentadiene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Hexachloroethane	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Indeno(1,2,3-cd)pyrene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Isophorone	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Naphthalene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Nitrobenzene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
N-Nitrosodi-n-propylamine	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
N-Nitrosodiphenylamine	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Pentachlorophenol	ND	23.2		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Phenanthrene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Phenol	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Pyrene	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Pyridine	ND	4.50		mg/Kg-dry	10	11/25/2009 1:18:00 PM
Surr: 2,4,6-Tribromophenol	156	19-122	S	%REC	10	11/25/2009 1:18:00 PM
Surr: 2-Fluorobiphenyl	22.7	30-115	S	%REC	10	11/25/2009 1:18:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:40:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-009

Matrix: SOLID

Client Sample ID DS-6(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	96.8	25-121		%REC	10	11/25/2009 1:18:00 PM
Surr: Nitrobenzene-d5	31.1	23-120		%REC	10	11/25/2009 1:18:00 PM
Surr: Phenol-d6	62.8	24-113		%REC	10	11/25/2009 1:18:00 PM
Surr: Terphenyl-d14	24.3	18-137		%REC	10	11/25/2009 1:18:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
1,1,2,2-Tetrachloroethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
1,1,2-Trichloroethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
1,1-Dichloroethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
1,1-Dichloroethene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
1,2-Dichloroethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
1,2-Dichloropropane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
2-Hexanone	ND	9.28		mg/Kg-dry	68	11/24/2009 1:35:00 AM
4-Methyl-2-pentanone	ND	1.86		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Acetone	ND	9.28		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Benzene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Bromodichloromethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Bromoform	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Bromomethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Carbon disulfide	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Carbon tetrachloride	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Chlorobenzene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Chloroethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Chloroform	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Chloromethane	ND	0.928		mg/Kg-dry	68	11/24/2009 1:35:00 AM
cis-1,2-Dichloroethene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
cis-1,3-Dichloropropene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Dibromochloromethane	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Ethylbenzene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
m,p-Xylene	ND	0.928		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Methyl ethyl ketone	ND	9.28		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Methylene chloride	ND	1.86		mg/Kg-dry	68	11/24/2009 1:35:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:40:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-009

Matrix: SOLID

Client Sample ID DS-6(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Styrene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Tetrachloroethene	0.616	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Toluene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
trans-1,2-Dichloroethene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
trans-1,3-Dichloropropene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Trichloroethene	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Vinyl acetate	ND	0.928		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Vinyl chloride	ND	0.464		mg/Kg-dry	68	11/24/2009 1:35:00 AM
Surr: 4-Bromofluorobenzene	102	74-121		%REC	68	11/24/2009 1:35:00 AM
Surr: Dibromofluoromethane	91.9	80-120		%REC	68	11/24/2009 1:35:00 AM
Surr: Toluene-d8	109	81-117		%REC	68	11/24/2009 1:35:00 AM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	26.7	0.500		wt%	1	11/23/2009 4:50:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-010

Matrix: SOLID

Client Sample ID DS-4(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
1,2,4-Trichlorobenzene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
1,2-Dichlorobenzene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
1,3-Dichlorobenzene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
1,4-Dichlorobenzene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2,4,5-Trichlorophenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2,4,6-Trichlorophenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2,4-Dichlorophenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2,4-Dimethylphenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2,4-Dinitrophenol	ND	134		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2,4-Dinitrotoluene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2,6-Dinitrotoluene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2-Chloronaphthalene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2-Chlorophenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2-Methylnaphthalene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2-Methylphenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2-Nitroaniline	ND	134		mg/Kg-dry	50	11/25/2009 2:48:00 PM
2-Nitrophenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
3&4 Methylphenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
3,3'-Dichlorobenzidine	ND	52.1		mg/Kg-dry	50	11/25/2009 2:48:00 PM
3-Nitroaniline	ND	134		mg/Kg-dry	50	11/25/2009 2:48:00 PM
4,6-Dinitro-2-methylphenol	ND	134		mg/Kg-dry	50	11/25/2009 2:48:00 PM
4-Bromophenyl phenyl ether	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
4-Chloro-3-methylphenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
4-Chloroaniline	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
4-Chlorophenyl phenyl ether	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
4-Nitroaniline	ND	52.1		mg/Kg-dry	50	11/25/2009 2:48:00 PM
4-Nitrophenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Acenaphthene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Acenaphthylene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Anthracene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Benzo (a) anthracene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Benzo(a)pyrene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Benzo(b)fluoranthene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Benzo(g,h,i)perylene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 3:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-010 **Matrix:** SOLID

Client Sample ID DS-4(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Benzoic acid	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Benzyl alcohol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Bis(2-chloroethoxy)methane	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Bis(2-chloroethyl) ether	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Bis(2-chloroisopropyl) ether	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Bis(2-ethylhexyl) phthalate	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Butyl benzyl phthalate	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Chrysene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Dibenz(a,h)anthracene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Dibenzofuran	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Diethyl phthalate	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Dimethyl phthalate	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Di-n-butyl phthalate	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Di-n-octyl phthalate	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Fluoranthene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Fluorene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Hexachlorobenzene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Hexachlorobutadiene	60.0	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Hexachlorocyclopentadiene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Hexachloroethane	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Indeno(1,2,3-cd)pyrene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Isophorone	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Naphthalene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Nitrobenzene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
N-Nitrosodi-n-propylamine	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
N-Nitrosodiphenylamine	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Pentachlorophenol	ND	134		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Phenanthrene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Phenol	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Pyrene	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Pyridine	ND	26.0		mg/Kg-dry	50	11/25/2009 2:48:00 PM
Surr: 2,4,6-Tribromophenol	32.5	19-122		%REC	50	11/25/2009 2:48:00 PM
Surr: 2-Fluorobiphenyl	16.5	30-115	S	%REC	50	11/25/2009 2:48:00 PM

Qualifiers:

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H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009 3:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-010 **Matrix:** SOLID

Client Sample ID DS-4(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	0	25-121	S	%REC	50	11/25/2009 2:48:00 PM
Surr: Nitrobenzene-d5	24.5	23-120		%REC	50	11/25/2009 2:48:00 PM
Surr: Phenol-d6	19.5	24-113	S	%REC	50	11/25/2009 2:48:00 PM
Surr: Terphenyl-d14	21.5	18-137		%REC	50	11/25/2009 2:48:00 PM

NOTES:
S - Surrogates out of range due to dilution

TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
1,1,2,2-Tetrachloroethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
1,1,2-Trichloroethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
1,1-Dichloroethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
1,1-Dichloroethene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
1,2-Dichloroethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
1,2-Dichloropropane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
2-Hexanone	ND	14.8		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
4-Methyl-2-pentanone	ND	2.96		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Acetone	ND	14.8		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Benzene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Bromodichloromethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Bromoform	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Bromomethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Carbon disulfide	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Carbon tetrachloride	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Chlorobenzene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Chloroethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Chloroform	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Chloromethane	ND	1.48		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
cis-1,2-Dichloroethene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
cis-1,3-Dichloropropene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Dibromochloromethane	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Ethylbenzene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
m,p-Xylene	ND	1.48		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009 3:55:00 PM

Project: Detrex DS/ 13811443

Lab ID: 0911393-010

Matrix: SOLID

Client Sample ID DS-4(0-1)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Methyl ethyl ketone	ND	14.8		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Methylene chloride	ND	2.96		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
o-Xylene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Styrene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Tetrachloroethene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Toluene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
trans-1,2-Dichloroethene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
trans-1,3-Dichloropropene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Trichloroethene	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Vinyl acetate	ND	1.48		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Vinyl chloride	ND	0.740		mg/Kg-dry	93.4	11/24/2009 2:09:00 AM
Surr: 4-Bromofluorobenzene	98.1	74-121		%REC	93.4	11/24/2009 2:09:00 AM
Surr: Dibromofluoromethane	105	80-120		%REC	93.4	11/24/2009 2:09:00 AM
Surr: Toluene-d8	108	81-117		%REC	93.4	11/24/2009 2:09:00 AM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	36.9	0.500		wt%	1	11/23/2009 4:50:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009

Project: Detrex DS/ 13811443

Lab ID: 0911393-011

Matrix: SOLID

Client Sample ID DUP-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **YSP**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
1,2-Dichlorobenzene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
1,3-Dichlorobenzene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
1,4-Dichlorobenzene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2,4,5-Trichlorophenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2,4,6-Trichlorophenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2,4-Dichlorophenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2,4-Dimethylphenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2,4-Dinitrophenol	ND	156		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2,4-Dinitrotoluene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2,6-Dinitrotoluene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2-Chloronaphthalene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2-Chlorophenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2-Methylnaphthalene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2-Methylphenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2-Nitroaniline	ND	156		mg/Kg-dry	50	11/25/2009 12:34:00 PM
2-Nitrophenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
3&4 Methylphenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
3,3'-Dichlorobenzidine	ND	60.7		mg/Kg-dry	50	11/25/2009 12:34:00 PM
3-Nitroaniline	ND	156		mg/Kg-dry	50	11/25/2009 12:34:00 PM
4,6-Dinitro-2-methylphenol	ND	156		mg/Kg-dry	50	11/25/2009 12:34:00 PM
4-Bromophenyl phenyl ether	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
4-Chloro-3-methylphenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
4-Chloroaniline	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
4-Chlorophenyl phenyl ether	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
4-Nitroaniline	ND	60.7		mg/Kg-dry	50	11/25/2009 12:34:00 PM
4-Nitrophenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Acenaphthene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Acenaphthylene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Anthracene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Benzo (a) anthracene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Benzo(a)pyrene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Benzo(b)fluoranthene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Benzo(g,h,i)perylene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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Analytical Report

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WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009

Project: Detrex DS/ 13811443

Lab ID: 0911393-011 **Matrix:** SOLID

Client Sample ID DUP-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Benzo(k)fluoranthene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Benzoic acid	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Benzyl alcohol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Bis(2-chloroethoxy)methane	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Bis(2-chloroethyl) ether	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Bis(2-chloroisopropyl) ether	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Bis(2-ethylhexyl) phthalate	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Butyl benzyl phthalate	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Chrysene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Dibenz(a,h)anthracene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Dibenzofuran	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Diethyl phthalate	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Dimethyl phthalate	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Di-n-butyl phthalate	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Di-n-octyl phthalate	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Fluoranthene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Fluorene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Hexachlorobenzene	51.9	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Hexachlorobutadiene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Hexachlorocyclopentadiene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Hexachloroethane	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Indeno(1,2,3-cd)pyrene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Isophorone	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Naphthalene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Nitrobenzene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
N-Nitrosodi-n-propylamine	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
N-Nitrosodiphenylamine	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Pentachlorophenol	ND	156		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Phenanthrene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Phenol	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Pyrene	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Pyridine	ND	30.3		mg/Kg-dry	50	11/25/2009 12:34:00 PM
Surr: 2,4,6-Tribromophenol	85.6	19-122		%REC	50	11/25/2009 12:34:00 PM
Surr: 2-Fluorobiphenyl	21.0	30-115	S	%REC	50	11/25/2009 12:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009

Project: Detrex DS/ 13811443

Lab ID: 0911393-011

Matrix: SOLID

Client Sample ID DUP-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **YSP**
Surr: 2-Fluorophenol	27.5	25-121		%REC	50	11/25/2009 12:34:00 PM
Surr: Nitrobenzene-d5	31.0	23-120		%REC	50	11/25/2009 12:34:00 PM
Surr: Phenol-d6	20.5	24-113	S	%REC	50	11/25/2009 12:34:00 PM
Surr: Terphenyl-d14	18.5	18-137		%REC	50	11/25/2009 12:34:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
1,1,2,2-Tetrachloroethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
1,1,2-Trichloroethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
1,1-Dichloroethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
1,1-Dichloroethene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
1,2-Dichloroethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
1,2-Dichloropropane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
2-Hexanone	ND	14.6		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
4-Methyl-2-pentanone	ND	2.92		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Acetone	ND	14.6		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Benzene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Bromodichloromethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Bromoform	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Bromomethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Carbon disulfide	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Carbon tetrachloride	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Chlorobenzene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Chloroethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Chloroform	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Chloromethane	ND	1.46		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
cis-1,2-Dichloroethene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
cis-1,3-Dichloropropene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Dibromochloromethane	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Ethylbenzene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
m,p-Xylene	ND	1.46		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Methyl ethyl ketone	ND	14.6		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Methylene chloride	ND	2.92		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp. **Collection Date:** 11/12/2009

Project: Detrex DS/ 13811443

Lab ID: 0911393-011 **Matrix:** SOLID

Client Sample ID DUP-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Styrene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Tetrachloroethene	8.36	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Toluene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
trans-1,2-Dichloroethene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
trans-1,3-Dichloropropene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Trichloroethene	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Vinyl acetate	ND	1.46		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Vinyl chloride	ND	0.730		mg/Kg-dry	79.4	11/24/2009 2:43:00 AM
Surr: 4-Bromofluorobenzene	102	74-121		%REC	79.4	11/24/2009 2:43:00 AM
Surr: Dibromofluoromethane	106	80-120		%REC	79.4	11/24/2009 2:43:00 AM
Surr: Toluene-d8	99.8	81-117		%REC	79.4	11/24/2009 2:43:00 AM
PERCENT MOISTURE				**D2216**		Analyst: **MES**
Percent Moisture	45.6	0.500		wt%	1	11/23/2009 4:50:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0911393

Date Reported: 12/4/2009

CLIENT: URS Corp.

Collection Date: 11/12/2009

Project: Detrex DS/ 13811443

Lab ID: 0911393-012

Matrix: AQUEOUS

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
1,1,2-Trichloroethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
1,1-Dichloroethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
1,1-Dichloroethene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
1,2-Dichloroethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
1,2-Dichloropropane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
2-Hexanone	ND	0.100		mg/Kg	1	11/18/2009 9:52:00 AM
4-Methyl-2-pentanone	ND	0.0200		mg/Kg	1	11/18/2009 9:52:00 AM
Acetone	ND	0.100		mg/Kg	1	11/18/2009 9:52:00 AM
Benzene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Bromodichloromethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Bromoform	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Bromomethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Carbon disulfide	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Carbon tetrachloride	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Chlorobenzene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Chloroethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Chloroform	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Chloromethane	ND	0.0100		mg/Kg	1	11/18/2009 9:52:00 AM
cis-1,2-Dichloroethene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
cis-1,3-Dichloropropene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Dibromochloromethane	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Ethylbenzene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
m,p-Xylene	ND	0.0100		mg/Kg	1	11/18/2009 9:52:00 AM
Methyl ethyl ketone	ND	0.0200		mg/Kg	1	11/18/2009 9:52:00 AM
Methylene chloride	ND	0.0200		mg/Kg	1	11/18/2009 9:52:00 AM
o-Xylene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Styrene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Tetrachloroethene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Toluene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
trans-1,2-Dichloroethene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
trans-1,3-Dichloropropene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Trichloroethene	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0911393**

Date Reported: **12/4/2009**

CLIENT: URS Corp.

Collection Date: 11/12/2009

Project: Detrex DS/ 13811443

Lab ID: 0911393-012

Matrix: AQUEOUS

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/Kg	1	11/18/2009 9:52:00 AM
Vinyl chloride	ND	0.00500		mg/Kg	1	11/18/2009 9:52:00 AM
Surr: 4-Bromofluorobenzene	99.8	74-121		%REC	1	11/18/2009 9:52:00 AM
Surr: Dibromofluoromethane	107	80-120		%REC	1	11/18/2009 9:52:00 AM
Surr: Toluene-d8	107	81-117		%REC	1	11/18/2009 9:52:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: 5601

Sample ID: **mb-5601** SampType: **mblk** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **PBS** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/23/2009** SeqNo: **163869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.330									
1,2-Dichlorobenzene	ND	0.330									
1,3-Dichlorobenzene	ND	0.330									
1,4-Dichlorobenzene	ND	0.330									
2,4,5-Trichlorophenol	ND	0.330									
2,4,6-Trichlorophenol	ND	0.330									
2,4-Dichlorophenol	ND	0.330									
2,4-Dimethylphenol	ND	0.330									
2,4-Dinitrophenol	ND	1.70									
2,4-Dinitrotoluene	ND	0.330									
2,6-Dinitrotoluene	ND	0.330									
2-Chloronaphthalene	ND	0.330									
2-Chlorophenol	ND	0.330									
2-Methylnaphthalene	ND	0.330									
2-Methylphenol	ND	0.330									
2-Nitroaniline	ND	1.70									
2-Nitrophenol	ND	0.330									
3&4 Methylphenol	ND	0.330									
3,3'-Dichlorobenzidine	ND	0.660									
3-Nitroaniline	ND	1.70									
4,6-Dinitro-2-methylphenol	ND	1.70									
4-Bromophenyl phenyl ether	ND	0.330									
4-Chloro-3-methylphenol	ND	0.330									
4-Chloroaniline	ND	0.330									
4-Chlorophenyl phenyl ether	ND	0.330									
4-Nitroaniline	ND	0.660									
4-Nitrophenol	ND	0.330									
Acenaphthene	ND	0.330									
Acenaphthylene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: 5601

Sample ID: mb-5601	SampType: mblk	TestCode: sw_8270sol	Units: mg/Kg	Prep Date: 11/17/2009	RunNo: 13081
Client ID: PBS	Batch ID: 5601	TestNo: SW8270C		Analysis Date: 11/23/2009	SeqNo: 163869

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	0.330									
Benzo (a) anthracene	ND	0.330									
Benzo(a)pyrene	ND	0.330									
Benzo(b)fluoranthene	ND	0.330									
Benzo(g,h,i)perylene	ND	0.330									
Benzo(k)fluoranthene	ND	0.330									
Benzoic acid	ND	0.330									
Benzyl alcohol	ND	0.330									
Bis(2-chloroethoxy)methane	ND	0.330									
Bis(2-chloroethyl) ether	ND	0.330									
Bis(2-chloroisopropyl) ether	ND	0.330									
Bis(2-ethylhexyl) phthalate	ND	0.330									
Butyl benzyl phthalate	ND	0.330									
Chrysene	ND	0.330									
Dibenz(a,h)anthracene	ND	0.330									
Dibenzofuran	ND	0.330									
Diethyl phthalate	ND	0.330									
Dimethyl phthalate	ND	0.330									
Di-n-butyl phthalate	ND	0.330									
Di-n-octyl phthalate	ND	0.330									
Fluoranthene	ND	0.330									
Fluorene	ND	0.330									
Hexachlorobenzene	ND	0.330									
Hexachlorobutadiene	ND	0.330									
Hexachlorocyclopentadiene	ND	0.330									
Hexachloroethane	ND	0.330									
Indeno(1,2,3-cd)pyrene	ND	0.330									
Isophorone	ND	0.330									
Naphthalene	ND	0.330									
Nitrobenzene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: 5601

Sample ID: **mb-5601** SampType: **mblk** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **PBS** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/23/2009** SeqNo: **163869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	ND	0.330									
N-Nitrosodiphenylamine	ND	0.330									
Pentachlorophenol	ND	1.70									
Phenanthrene	ND	0.330									
Phenol	ND	0.330									
Pyrene	ND	0.330									
Pyridine	ND	0.330									
Surr: 2,4,6-Tribromophenol	8.16		3.330		245	19	122				S
Surr: 2-Fluorobiphenyl	1.00		3.330		30.1	30	115				
Surr: 2-Fluorophenol	2.80		3.330		84.2	25	121				
Surr: Nitrobenzene-d5	0.800		3.330		24.0	23	120				
Surr: Phenol-d6	2.98		3.330		89.6	24	113				
Surr: Terphenyl-d14	1.45		3.330		43.5	18	137				

Sample ID: **lcs-5601** SampType: **lcs** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **LCSS** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/23/2009** SeqNo: **163888**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.31	0.330	3.330	0	69.4	44	142				
1,4-Dichlorobenzene	1.94	0.330	3.330	0	58.3	20	124				
2,4-Dinitrotoluene	2.80	0.330	3.330	0	84.0	39	139				
2-Chlorophenol	2.29	0.330	3.330	0	68.9	23	134				
4-Chloro-3-methylphenol	2.68	0.330	3.330	0	80.4	22	147				
4-Nitrophenol	1.19	0.330	3.330	0	35.7	1	132				
Acenaphthene	3.08	0.330	3.330	0	92.5	47	145				
N-Nitrosodi-n-propylamine	2.32	0.330	3.330	0	69.6	1	230				
Pentachlorophenol	2.84	1.70	3.330	0	85.4	14	176				
Phenol	2.41	0.330	3.330	0	72.3	5	112				
Pyrene	2.92	0.330	3.330	0	87.7	52	115				
Surr: 2,4,6-Tribromophenol	11.8		3.330		353	19	122				S

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: 5601

Sample ID: **lcs-5601** SampType: **lcs** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **LCSS** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/23/2009** SeqNo: **163888**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	1.43		3.330		43.0	30	115				
Surr: 2-Fluorophenol	3.56		3.330		107	25	121				
Surr: Nitrobenzene-d5	1.04		3.330		31.3	23	120				
Surr: Phenol-d6	3.08		3.330		92.5	24	113				
Surr: Terphenyl-d14	1.57		3.330		47.3	18	137				

Sample ID: **lcsd-5601** SampType: **lcsd** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **LCSS02** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/23/2009** SeqNo: **163889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.35	0.330	3.330	0	70.6	44	142	2.310	1.73	20	
1,4-Dichlorobenzene	1.94	0.330	3.330	0	58.1	20	124	1.942	0.327	20	
2,4-Dinitrotoluene	2.75	0.330	3.330	0	82.7	39	139	2.797	1.56	20	
2-Chlorophenol	2.32	0.330	3.330	0	69.6	23	134	2.294	0.998	20	
4-Chloro-3-methylphenol	2.68	0.330	3.330	0	80.6	22	147	2.676	0.261	20	
4-Nitrophenol	1.24	0.330	3.330	0	37.3	1	132	1.189	4.52	20	
Acenaphthene	3.11	0.330	3.330	0	93.4	47	145	3.079	1.02	20	
N-Nitrosodi-n-propylamine	2.37	0.330	3.330	0	71.3	1	230	2.319	2.34	20	
Pentachlorophenol	2.91	1.70	3.330	0	87.3	14	176	2.843	2.27	20	
Phenol	2.45	0.330	3.330	0	73.7	5	112	2.406	1.96	20	
Pyrene	2.92	0.330	3.330	0	87.8	52	115	2.921	0.103	20	
Surr: 2,4,6-Tribromophenol	11.1		3.330		333	19	122		0	20	S
Surr: 2-Fluorobiphenyl	1.38		3.330		41.4	30	115		0	20	
Surr: 2-Fluorophenol	3.40		3.330		102	25	121		0	20	
Surr: Nitrobenzene-d5	1.00		3.330		30.1	23	120		0	20	
Surr: Phenol-d6	3.19		3.330		95.9	24	113		0	20	
Surr: Terphenyl-d14	1.49		3.330		44.9	18	137		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: 5601

Sample ID: **0911393-005bms** SampType: **ms** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **DS-16(0-1)** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/25/2009** SeqNo: **164684**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3.82	0.482	4.865	0	78.6	44	142				
1,4-Dichlorobenzene	2.16	0.482	4.865	0	44.3	20	124				
2,4-Dinitrotoluene	3.42	0.482	4.865	0	70.2	39	139				
2-Chlorophenol	2.59	0.482	4.865	0	53.3	23	134				
4-Chloro-3-methylphenol	2.82	0.482	4.865	0	58.1	22	147				
4-Nitrophenol	4.33	0.482	4.865	0	89.0	1	132				
Acenaphthene	3.45	0.482	4.865	0	70.9	47	145				
N-Nitrosodi-n-propylamine	2.58	0.482	4.865	0	53.0	1	230				
Pentachlorophenol	3.30	2.48	4.865	0	67.8	14	176				
Phenol	2.58	0.482	4.865	0	53.0	5	112				
Pyrene	3.02	0.482	4.865	0	62.1	52	115				
Surr: 2,4,6-Tribromophenol	12.4		4.865		255	19	122				S
Surr: 2-Fluorobiphenyl	1.51		4.865		31.1	30	115				
Surr: 2-Fluorophenol	3.55		4.865		73.0	25	121				
Surr: Nitrobenzene-d5	1.26		4.865		25.8	23	120				
Surr: Phenol-d6	4.12		4.865		84.7	24	113				
Surr: Terphenyl-d14	1.47		4.865		30.3	18	137				

Sample ID: **0911393-005bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **DS-16(0-1)** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/25/2009** SeqNo: **164686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3.77	0.482	4.865	0	77.6	44	142	3.823	1.31	20	
1,4-Dichlorobenzene	2.16	0.482	4.865	0	44.4	20	124	2.156	0.158	20	
2,4-Dinitrotoluene	2.93	0.482	4.865	0	60.2	39	139	3.416	15.4	20	
2-Chlorophenol	2.61	0.482	4.865	0	53.6	23	134	2.594	0.543	20	
4-Chloro-3-methylphenol	2.77	0.482	4.865	0	56.9	22	147	2.825	1.98	20	
4-Nitrophenol	3.94	0.482	4.865	0	80.9	1	132	4.328	9.50	20	
Acenaphthene	3.29	0.482	4.865	0	67.7	47	145	3.447	4.52	20	
N-Nitrosodi-n-propylamine	2.58	0.482	4.865	0	53.0	1	230	2.576	0.0189	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: 5601

Sample ID: **0911393-005bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg-dry** Prep Date: **11/17/2009** RunNo: **13081**
Client ID: **DS-16(0-1)** Batch ID: **5601** TestNo: **SW8270C** Analysis Date: **11/25/2009** SeqNo: **164686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	3.07	2.48	4.865	0	63.1	14	176	3.297	7.10	20	
Phenol	2.66	0.482	4.865	0	54.6	5	112	2.577	3.01	20	
Pyrene	2.95	0.482	4.865	0	60.6	52	115	3.020	2.38	20	
Surr: 2,4,6-Tribromophenol	12.1		4.865		250	19	122		0	20	S
Surr: 2-Fluorobiphenyl	1.51		4.865		31.0	30	115		0	20	
Surr: 2-Fluorophenol	1.69		4.865		34.8	25	121		0	20	
Surr: Nitrobenzene-d5	1.30		4.865		26.7	23	120		0	20	
Surr: Phenol-d6	4.37		4.865		89.8	24	113		0	20	
Surr: Terphenyl-d14	1.51		4.865		31.0	18	137		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: R12895

Sample ID: **0911276-006AMS** SampType: **MS** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **163108**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	8.68	2.55	10.2	0	85.0	70	130				
Benzene	9.73	2.55	10.2	0	95.3	70	130				
Chlorobenzene	10.3	2.55	10.2	0	101	70	130				
Toluene	10.3	2.55	10.2	0	101	70	130				
Trichloroethene	27.0	2.55	10.2	17,740	91.1	70	130				
Surr: 4-Bromofluorobenzene	58,900		51,070		115	74	121				
Surr: Dibromofluoromethane	47,400		51,070		92.8	80	120				
Surr: Toluene-d8	52,600		51,070		103	81	117				

Sample ID: **0911276-006AMSD** SampType: **MSD** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **163109**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	8.78	2.55	10.2	0	86.0	70	130	8.68	1.17	20	
Benzene	9.78	2.55	10.2	0	95.7	70	130	9.73	0.471	20	
Chlorobenzene	10.7	2.55	10.2	0	105	70	130	10.3	4.09	20	
Toluene	10.6	2.55	10.2	0	103	70	130	10.3	2.54	20	
Trichloroethene	27.7	2.55	10.2	17,740	97.6	70	130	27.0	2.44	20	
Surr: 4-Bromofluorobenzene	59,100		51,070		116	74	121		0	20	
Surr: Dibromofluoromethane	45,900		51,070		89.9	80	120		0	20	
Surr: Toluene-d8	53,400		51,070		105	81	117		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: R12895

Sample ID: BLK	SampType: MBLK	TestCode: SW_8260LIQ	Units: mg/L	Prep Date:	RunNo: 12895
Client ID: ZZZZZZ	Batch ID: R12895	TestNo: SW8260B		Analysis Date: 11/18/2009	SeqNo: 161792

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	ND	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: R12895

Sample ID: **BLK** SampType: **MBLK** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **161792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	101		100.0		101	86	115				
Surr: Dibromofluoromethane	116		100.0		116	86	118				
Surr: Toluene-d8	106		100.0		106	88	110				

Sample ID: **LCS** SampType: **LCS** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **12895**
Client ID: **ZZZZZZ** Batch ID: **R12895** TestNo: **SW8260B** Analysis Date: **11/18/2009** SeqNo: **163099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0190	0.00500	0.0200	0	95.1	75	125				
Benzene	0.0205	0.00500	0.0200	0	103	83	117				
Chlorobenzene	0.0218	0.00500	0.0200	0	109	77	123				
Toluene	0.0206	0.00500	0.0200	0	103	80	120				
Trichloroethene	0.0201	0.00500	0.0200	0	100	79	121				
Surr: 4-Bromofluorobenzene	118		100.0		118	86	115				S
Surr: Dibromofluoromethane	97.9		100.0		97.9	86	118				
Surr: Toluene-d8	105		100.0		105	88	110				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: **R13082**

Sample ID: **0911393-005BDUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: RunNo: **13082**
Client ID: **DS-16(0-1)** Batch ID: **R13082** TestNo: **D2216** Analysis Date: **11/23/2009** SeqNo: **164419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	30.9	0.500						31.55	2.20	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: R13084

Sample ID: **LCS 40** SampType: **LCS** TestCode: **SW_8260TCL** Units: **mg/L** Prep Date: RunNo: **13084**
Client ID: **ZZZZZZ** Batch ID: **R13084** TestNo: **SW8260B** Analysis Date: **11/23/2009** SeqNo: **163937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0346	0.00500	0.0400	0	86.4	75	125				
Benzene	0.0360	0.00500	0.0400	0	90.0	83	117				
Chlorobenzene	0.0372	0.00500	0.0400	0	92.9	77	123				
Toluene	0.0377	0.00500	0.0400	0	94.2	80	120				
Trichloroethene	0.0355	0.00500	0.0400	0	88.7	79	121				
Surr: 4-Bromofluorobenzene	98.7		100.0		98.7	86	115				
Surr: Dibromofluoromethane	98.7		100.0		98.7	86	118				
Surr: Toluene-d8	100		100.0		100	88	110				

Sample ID: **LCSD 40** SampType: **LCSD** TestCode: **SW_8260TCL** Units: **mg/L** Prep Date: RunNo: **13084**
Client ID: **ZZZZZZ** Batch ID: **R13084** TestNo: **SW8260B** Analysis Date: **11/23/2009** SeqNo: **163938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0332	0.00500	0.0400	0	83.0	75	125	0.0346	3.96	20	
Benzene	0.0369	0.00500	0.0400	0	92.3	83	117	0.0360	2.52	20	
Chlorobenzene	0.0359	0.00500	0.0400	0	89.7	77	123	0.0372	3.50	20	
Toluene	0.0375	0.00500	0.0400	0	93.6	80	120	0.0377	0.532	20	
Trichloroethene	0.0352	0.00500	0.0400	0	88.0	79	121	0.0355	0.849	20	
Surr: 4-Bromofluorobenzene	93.1		100.0		93.1	86	115		0	20	
Surr: Dibromofluoromethane	100		100.0		100	86	118		0	20	
Surr: Toluene-d8	98.7		100.0		98.7	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: R13084

Sample ID: **0911393-005AMS** SampType: **MS** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **13084**
Client ID: **DS-16(0-1)** Batch ID: **R13084** TestNo: **SW8260B** Analysis Date: **11/23/2009** SeqNo: **164162**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	5.04	0.738	5.90	0	85.5	70	130				
Benzene	5.68	0.738	5.90	0	96.3	70	130				
Chlorobenzene	5.81	0.738	5.90	0	98.4	70	130				
Toluene	5.76	0.738	5.90	0	97.7	70	130				
Trichloroethene	7.32	0.738	5.90	1,654	95.9	70	130				
Surr: 4-Bromofluorobenzene	14,200		14,750		96.4	74	121				
Surr: Dibromofluoromethane	15,300		14,750		104	80	120				
Surr: Toluene-d8	15,100		14,750		103	81	117				

Sample ID: **0911393-005AMSD** SampType: **MSD** TestCode: **SW_8260SOL** Units: **mg/Kg-dry** Prep Date: RunNo: **13084**
Client ID: **DS-16(0-1)** Batch ID: **R13084** TestNo: **SW8260B** Analysis Date: **11/24/2009** SeqNo: **164163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	5.08	0.738	5.90	0	86.1	70	130	5.04	0.670	20	
Benzene	5.58	0.738	5.90	0	94.6	70	130	5.68	1.81	20	
Chlorobenzene	5.68	0.738	5.90	0	96.2	70	130	5.81	2.26	20	
Toluene	5.74	0.738	5.90	0	97.2	70	130	5.76	0.462	20	
Trichloroethene	7.05	0.738	5.90	1,654	91.4	70	130	7.32	3.76	20	
Surr: 4-Bromofluorobenzene	14,100		14,750		95.4	74	121		0	20	
Surr: Dibromofluoromethane	14,600		14,750		98.9	80	120		0	20	
Surr: Toluene-d8	14,800		14,750		100	81	117		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0911393
Project: Detrex DS/ 13811443

QC SUMMARY REPORT

BatchID: R13118

Sample ID: **LCS 40** SampType: **LCS** TestCode: **sw_8260LIQ** Units: **mg/L** Prep Date: RunNo: **13118**
Client ID: **ZZZZZZ** Batch ID: **R13118** TestNo: **SW8260B** Analysis Date: **11/25/2009** SeqNo: **164445**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0322	0.00500	0.0400	0	80.4	75	125				
Benzene	0.0348	0.00500	0.0400	0	87.1	83	117				
Chlorobenzene	0.0365	0.00500	0.0400	0	91.2	77	123				
Toluene	0.0385	0.00500	0.0400	0	96.3	80	120				
Trichloroethene	0.0361	0.00500	0.0400	0	90.2	79	121				
Surr: 4-Bromofluorobenzene	89.7		100.0		89.7	86	115				
Surr: Dibromofluoromethane	96.0		100.0		96.0	86	118				
Surr: Toluene-d8	103		100.0		103	88	110				

Sample ID: **LCSD** SampType: **LCSD** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **13118**
Client ID: **ZZZZZZ** Batch ID: **R13118** TestNo: **SW8260B** Analysis Date: **11/25/2009** SeqNo: **164446**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0309	0.00500	0.0400	0	77.3	75	125	0.0322	3.96	20	
Benzene	0.0348	0.00500	0.0400	0	86.9	83	117	0.0348	0.144	20	
Chlorobenzene	0.0353	0.00500	0.0400	0	88.3	77	123	0.0365	3.20	20	
Toluene	0.0368	0.00500	0.0400	0	91.9	80	120	0.0385	4.68	20	
Trichloroethene	0.0351	0.00500	0.0400	0	87.7	79	121	0.0361	2.75	20	
Surr: 4-Bromofluorobenzene	92.0		100.0		92.0	86	115		0	20	
Surr: Dibromofluoromethane	97.1		100.0		97.1	86	118		0	20	
Surr: Toluene-d8	99.8		100.0		99.8	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER # 0911393

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt, URS Corporation	INVOICE TO: NAME
ADDRESS: 1375 Euclid Avenue, Suite 600	ADDRESS
CITY: Cleveland; STATE: OH; ZIP CODE: 44115	CITY; STATE; ZIP CODE
PHONE NO.: 216-622-2400; FAX NO.: 216-622-2464	PHONE NO.; FAX NO.
EMAIL: Martin_Schmidt@URSCorp.com; PROJECT NAME/NUMBER: Detrex DS / 13811443	PO#: ; QUOTE #: 569 MR

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature _____

ANALYSIS REQUESTED

Special Instructions & QC Requirements (additional charge for QC):
Please send also to Peggy Schuler

TEMP (°C) 3

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	VOC 8260B	SVOC 8270C	MS/MSD			PID								
1	DS-30 (0-1)	11/12/09	1050		X	2		X	X		-1		8.0								
2	DS-28 (0-1)		1130		X	2		X	X		-2		329								
3	DS-22 (0-1)		1156		X	2		X	X		-3		368								
4	DS-20 (0-1)		1355		X	2		X	X		-4		19.8								
5	DS-16 (0-1)		1435		X	2		X	X	X	-5		146								
6	DS-15 (0-1)		1450		X	2		X	X		-6		1839								
7	DS-12 (0-1)		1505		X	2		X	X		-7		1005								
8	DS-10 (0-1)		1520		X	2		X	X		-8		529								
9	DS-6 (0-1)		1540		X	2		X	X		-9		251								
10	DS-4 (0-1)		1555		X	2		X	X		-10		227								
11	DUP-3	↓	—		X	2		X	X		-11		100-1010								
12	Trip Blank	—	—		X	1		X			-12										
13																					

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
(URS-Anton Heiger)		11/13/09	1054			11/13/09	1335
Received by: (Signature)	**Relinquished by: (Signature)**	**Date**	**Time**	**Received in laboratory by: (Signature)**		**Date**	**Time**
						11/13/09	1335

Precision Analytical, Inc.

samplereceivinglog.xls

Sample Receiving Summary Log

ork Order #: 0911393

Sample Custodian: MR

ate & Time Received: 11/13/09 13:35

Date & Time Logged-In: 11/13/09 16:34

amples Dropped Off By: (✓) PAI ( ) UPS ( ) FedEx ( ) Client ( ) Airborne ( ) DHL ( ) Other _____

amples Analyzed In-House: (✓) yes ( ) no

ubcontract Laboratory:

) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envantage ( ) J.&H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: ( ) Aqueous ( ) Liquid ( ) Soil/Sludge (✓) Solid ( ) Oil ( ) Gas ( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no; Properly Filled Out (✓) yes ( ) no

Sample Containers: (✓) Glass (✓) VOA ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag ( ) D.O. Bottle ( ) Sterile Bottle no pres.

All Present	(✓) yes	( ) no	( ) na
Intact	(✓) yes	( ) no	( ) na
Salvagable	( ) yes	( ) no	(✓) na

# of containers: 23

Sample Labels:

Legible	(✓) yes	( ) no	( ) na
Match COC	(✓) yes	( ) no	

Misc. Information:

Preserved	( ) yes	( ) no	(✓) na
On Ice/Cooling 3 °C	(✓) yes	( ) no	( ) na
Past Hold Time	( ) yes	(✓) no	( ) na
Contain Headspace **	( ) yes	(✓) no	( ) na
pH w/in range	( ) yes	( ) no	(✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____ Phenol _____ TOC _____ TKN _____ Phos _____ Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

if client is called provided information in the section above

Form Approved By:

Mark Kalmeyer: MK

Scott Balam: SCB

Form#: 244

Rev#: 0

Eff. Date: 1/2/08

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

March 16, 2010

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115
TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex RD/RA 13811443 Order No.: 1003195

Dear Martin Schmidt:

Precision Analytical, Inc. received 15 sample(s) on 3/8/2010 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

SB

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:15:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-001

Matrix: AQUEOUS

Client Sample ID GP-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 9:31:00 AM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 9:31:00 AM
Acetone	ND	0.0500		mg/L	1	3/15/2010 9:31:00 AM
Benzene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 9:31:00 AM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 9:31:00 AM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Styrene	ND	0.0200		mg/L	1	3/15/2010 9:31:00 AM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Toluene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 9:31:00 AM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:15:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-001

Matrix: AQUEOUS

Client Sample ID GP-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 9:31:00 AM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 9:31:00 AM
Surr: 4-Bromofluorobenzene	100	86-115		%REC	1	3/15/2010 9:31:00 AM
Surr: Dibromofluoromethane	109	86-118		%REC	1	3/15/2010 9:31:00 AM
Surr: Toluene-d8	104	88-110		%REC	1	3/15/2010 9:31:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:20:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-002

Matrix: AQUEOUS

Client Sample ID GP-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 9:57:00 AM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 9:57:00 AM
Acetone	ND	0.0500		mg/L	1	3/15/2010 9:57:00 AM
Benzene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 9:57:00 AM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 9:57:00 AM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Styrene	ND	0.0200		mg/L	1	3/15/2010 9:57:00 AM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Toluene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 9:57:00 AM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:20:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-002

Matrix: AQUEOUS

Client Sample ID GP-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 9:57:00 AM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 9:57:00 AM
Surr: 4-Bromofluorobenzene	98.0	86-115		%REC	1	3/15/2010 9:57:00 AM
Surr: Dibromofluoromethane	105	76-118		%REC	1	3/15/2010 9:57:00 AM
Surr: Toluene-d8	101	88-110		%REC	1	3/15/2010 9:57:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Cleveland, OH 44128
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Website:
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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:26:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-003

Matrix: AQUEOUS

Client Sample ID MW-11S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 10:22:00 AM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 10:22:00 AM
Acetone	ND	0.0500		mg/L	1	3/15/2010 10:22:00 AM
Benzene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 10:22:00 AM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 10:22:00 AM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Styrene	ND	0.0200		mg/L	1	3/15/2010 10:22:00 AM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Toluene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 10:22:00 AM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
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Website:
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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:26:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-003

Matrix: AQUEOUS

Client Sample ID MW-11S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 10:22:00 AM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 10:22:00 AM
Surr: 4-Bromofluorobenzene	98.9	86-115		%REC	1	3/15/2010 10:22:00 AM
Surr: Dibromofluoromethane	103	76-118		%REC	1	3/15/2010 10:22:00 AM
Surr: Toluene-d8	99.8	88-110		%REC	1	3/15/2010 10:22:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:00:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-004

Matrix: AQUEOUS

Client Sample ID IT-609

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 10:47:00 AM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 10:47:00 AM
Acetone	ND	0.0500		mg/L	1	3/15/2010 10:47:00 AM
Benzene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 10:47:00 AM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 10:47:00 AM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Styrene	ND	0.0200		mg/L	1	3/15/2010 10:47:00 AM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Toluene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 10:47:00 AM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:00:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-004

Matrix: AQUEOUS

Client Sample ID IT-609

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 10:47:00 AM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 10:47:00 AM
Surr: 4-Bromofluorobenzene	98.7	86-115		%REC	1	3/15/2010 10:47:00 AM
Surr: Dibromofluoromethane	103	76-118		%REC	1	3/15/2010 10:47:00 AM
Surr: Toluene-d8	98.8	88-110		%REC	1	3/15/2010 10:47:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:10:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-005

Matrix: AQUEOUS

Client Sample ID IT-607

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 12:30:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 12:30:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 12:30:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 12:30:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 12:30:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 12:30:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 12:30:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:10:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-005

Matrix: AQUEOUS

Client Sample ID IT-607

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 12:30:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 12:30:00 PM
Surr: 4-Bromofluorobenzene	95.8	86-115		%REC	1	3/15/2010 12:30:00 PM
Surr: Dibromofluoromethane	93.2	76-118		%REC	1	3/15/2010 12:30:00 PM
Surr: Toluene-d8	97.6	88-110		%REC	1	3/15/2010 12:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:20:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-006

Matrix: AQUEOUS

Client Sample ID IT-601

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 12:55:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 12:55:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 12:55:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 12:55:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 12:55:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 12:55:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 12:55:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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FAX: (216) 663-0656
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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:20:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-006

Matrix: AQUEOUS

Client Sample ID IT-601

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 12:55:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 12:55:00 PM
Surr: 4-Bromofluorobenzene	96.4	86-115		%REC	1	3/15/2010 12:55:00 PM
Surr: Dibromofluoromethane	90.9	76-118		%REC	1	3/15/2010 12:55:00 PM
Surr: Toluene-d8	97.8	88-110		%REC	1	3/15/2010 12:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Website:
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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:45:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-007

Matrix: AQUEOUS

Client Sample ID IT-605

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 1:20:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 1:20:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 1:20:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 1:20:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 1:20:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 1:20:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 1:20:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:45:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-007

Matrix: AQUEOUS

Client Sample ID IT-605

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 1:20:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 1:20:00 PM
Surr: 4-Bromofluorobenzene	95.4	86-115		%REC	1	3/15/2010 1:20:00 PM
Surr: Dibromofluoromethane	80.3	76-118		%REC	1	3/15/2010 1:20:00 PM
Surr: Toluene-d8	98.8	88-110		%REC	1	3/15/2010 1:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 5:00:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-008

Matrix: AQUEOUS

Client Sample ID IT-603

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 1:45:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 1:45:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 1:45:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 1:45:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 1:45:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 1:45:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 1:45:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp. **Collection Date:** 3/5/2010 5:00:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-008 **Matrix:** AQUEOUS

Client Sample ID IT-603

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 1:45:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 1:45:00 PM
Surr: 4-Bromofluorobenzene	94.3	86-115		%REC	1	3/15/2010 1:45:00 PM
Surr: Dibromofluoromethane	81.4	76-118		%REC	1	3/15/2010 1:45:00 PM
Surr: Toluene-d8	97.8	88-110		%REC	1	3/15/2010 1:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp. **Collection Date:** 3/5/2010 3:45:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-009 **Matrix:** AQUEOUS

Client Sample ID IT-611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 2:10:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 2:10:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 2:10:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 2:10:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 2:10:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 2:10:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 2:10:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 3:45:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-009

Matrix: AQUEOUS

Client Sample ID IT-611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 2:10:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 2:10:00 PM
Surr: 4-Bromofluorobenzene	95.7	86-115		%REC	1	3/15/2010 2:10:00 PM
Surr: Dibromofluoromethane	80.0	76-118		%REC	1	3/15/2010 2:10:00 PM
Surr: Toluene-d8	99.1	88-110		%REC	1	3/15/2010 2:10:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 3:30:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-010

Matrix: AQUEOUS

Client Sample ID IT-613

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 2:35:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 2:35:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 2:35:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 2:35:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 2:35:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 2:35:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 2:35:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 3:30:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-010

Matrix: AQUEOUS

Client Sample ID IT-613

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 2:35:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 2:35:00 PM
Surr: 4-Bromofluorobenzene	94.8	86-115		%REC	1	3/15/2010 2:35:00 PM
Surr: Dibromofluoromethane	83.0	76-118		%REC	1	3/15/2010 2:35:00 PM
Surr: Toluene-d8	98.0	88-110		%REC	1	3/15/2010 2:35:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 3:15:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-011

Matrix: AQUEOUS

Client Sample ID IT-614

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 3:01:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 3:01:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 3:01:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 3:01:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 3:01:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 3:01:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 3:01:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 3:15:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-011

Matrix: AQUEOUS

Client Sample ID IT-614

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 3:01:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 3:01:00 PM
Surr: 4-Bromofluorobenzene	95.1	86-115		%REC	1	3/15/2010 3:01:00 PM
Surr: Dibromofluoromethane	96.0	76-118		%REC	1	3/15/2010 3:01:00 PM
Surr: Toluene-d8	98.6	88-110		%REC	1	3/15/2010 3:01:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp. **Collection Date:** 3/5/2010 4:52:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-012 **Matrix:** AQUEOUS

Client Sample ID MW-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 3:26:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 3:26:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 3:26:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 3:26:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 3:26:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 3:26:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 3:26:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp. **Collection Date:** 3/5/2010 4:52:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-012 **Matrix:** AQUEOUS

Client Sample ID MW-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 3:26:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 3:26:00 PM
Surr: 4-Bromofluorobenzene	99.0	86-115		%REC	1	3/15/2010 3:26:00 PM
Surr: Dibromofluoromethane	105	76-118		%REC	1	3/15/2010 3:26:00 PM
Surr: Toluene-d8	105	88-110		%REC	1	3/15/2010 3:26:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date: 3/5/2010

Project: Detrex RD/RA 13811443

Lab ID: 1003195-013

Matrix: AQUEOUS

Client Sample ID DUP-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 3:51:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 3:51:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 3:51:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 3:51:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 3:51:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 3:51:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 3:51:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp. **Collection Date:** 3/5/2010

Project: Detrex RD/RA 13811443

Lab ID: 1003195-013 **Matrix:** AQUEOUS

Client Sample ID DUP-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 3:51:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 3:51:00 PM
Surr: 4-Bromofluorobenzene	98.4	86-115		%REC	1	3/15/2010 3:51:00 PM
Surr: Dibromofluoromethane	104	76-118		%REC	1	3/15/2010 3:51:00 PM
Surr: Toluene-d8	105	88-110		%REC	1	3/15/2010 3:51:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:30:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-014

Matrix: AQUEOUS

Client Sample ID IT-600

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 4:16:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 4:16:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 4:16:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 4:16:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 4:16:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 4:16:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 4:16:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date: 3/5/2010 4:30:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003195-014

Matrix: AQUEOUS

Client Sample ID IT-600

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 4:16:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 4:16:00 PM
Surr: 4-Bromofluorobenzene	98.1	86-115		%REC	1	3/15/2010 4:16:00 PM
Surr: Dibromofluoromethane	99.9	76-118		%REC	1	3/15/2010 4:16:00 PM
Surr: Toluene-d8	104	88-110		%REC	1	3/15/2010 4:16:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 1003195

Date Reported: 3/16/2010

CLIENT: URS Corp.

Collection Date:

Project: Detrex RD/RA 13811443

Lab ID: 1003195-015

Matrix: AQUEOUS

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
1,1,2,2-Tetrachloroethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
1,1,2-Trichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
1,1-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
1,1-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
1,2-Dichloroethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
1,2-Dichloropropane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
2-Hexanone	ND	0.0100		mg/L	1	3/15/2010 4:41:00 PM
4-Methyl-2-pentanone	ND	0.0200		mg/L	1	3/15/2010 4:41:00 PM
Acetone	ND	0.0500		mg/L	1	3/15/2010 4:41:00 PM
Benzene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Bromodichloromethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Bromoform	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Bromomethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Carbon disulfide	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Carbon tetrachloride	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Chlorobenzene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Chloroethane	ND	0.0100		mg/L	1	3/15/2010 4:41:00 PM
Chloroform	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Chloromethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
cis-1,2-Dichloroethene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
cis-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Dibromochloromethane	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Ethylbenzene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
m,p-Xylene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Methyl ethyl ketone	ND	0.0500		mg/L	1	3/15/2010 4:41:00 PM
Methylene chloride	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
o-Xylene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Styrene	ND	0.0200		mg/L	1	3/15/2010 4:41:00 PM
Tetrachloroethene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Toluene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
trans-1,2-Dichloroethene	ND	0.0100		mg/L	1	3/15/2010 4:41:00 PM
trans-1,3-Dichloropropene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Trichloroethene	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003195**

Date Reported: **3/16/2010**

CLIENT: URS Corp.

Collection Date:

Project: Detrex RD/RA 13811443

Lab ID: 1003195-015

Matrix: AQUEOUS

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
Vinyl acetate	ND	0.0100		mg/L	1	3/15/2010 4:41:00 PM
Vinyl chloride	ND	0.00500		mg/L	1	3/15/2010 4:41:00 PM
Surr: 4-Bromofluorobenzene	98.0	86-115		%REC	1	3/15/2010 4:41:00 PM
Surr: Dibromofluoromethane	100	76-118		%REC	1	3/15/2010 4:41:00 PM
Surr: Toluene-d8	106	88-110		%REC	1	3/15/2010 4:41:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

CLIENT: URS Corp.
Work Order: 1003195
Project: Detrex RD/RA 13811443

QC SUMMARY REPORT

BatchID: R15744

Sample ID: **1003195-004AMS** SampType: **MS** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **IT-609** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205698**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0213	0.00500	0.0200	0	107	75	125				
Benzene	0.0207	0.00500	0.0200	0	103	83	117				
Chlorobenzene	0.0200	0.00500	0.0200	0	100	77	123				
Toluene	0.0192	0.00500	0.0200	0	95.9	80	120				
Trichloroethene	0.0195	0.00500	0.0200	0	97.4	79	121				
Surr: 4-Bromofluorobenzene	97.7		100.0		97.7	86	115				
Surr: Dibromofluoromethane	109		100.0		109	76	118				
Surr: Toluene-d8	98.4		100.0		98.4	88	110				

Sample ID: **1003195-004AMSD** SampType: **MSD** TestCode: **SW_8260LIQ** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **IT-609** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205699**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0214	0.00500	0.0200	0	107	75	125	0.0213	0.375	20	
Benzene	0.0206	0.00500	0.0200	0	103	83	117	0.0207	0.194	20	
Chlorobenzene	0.0200	0.00500	0.0200	0	100	77	123	0.0200	0.0500	20	
Toluene	0.0190	0.00500	0.0200	0	95.2	80	120	0.0192	0.785	20	
Trichloroethene	0.0195	0.00500	0.0200	0	97.3	79	121	0.0195	0.103	20	
Surr: 4-Bromofluorobenzene	98.7		100.0		98.7	86	115		0	20	
Surr: Dibromofluoromethane	110		100.0		110	76	118		0	20	
Surr: Toluene-d8	97.9		100.0		97.9	88	110		0	20	

Sample ID: **blk** SampType: **MBLK** TestCode: **SW_8260liq** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **ZZZZZZ** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500									
1,1,2,2-Tetrachloroethane	ND	0.00500									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 1003195
Project: Detrex RD/RA 13811443

QC SUMMARY REPORT

BatchID: R15744

Sample ID: blk	SampType: MBLK	TestCode: SW_8260liq	Units: mg/L	Prep Date:	RunNo: 15744
Client ID: ZZZZZZ	Batch ID: R15744	TestNo: SW8260B		Analysis Date: 3/15/2010	SeqNo: 205720

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	0.00500									
1,1-Dichloroethane	ND	0.00500									
1,1-Dichloroethene	ND	0.00500									
1,2-Dichloroethane	ND	0.00500									
1,2-Dichloropropane	ND	0.00500									
2-Hexanone	ND	0.0100									
4-Methyl-2-pentanone	ND	0.0200									
Acetone	ND	0.0500									
Benzene	ND	0.00500									
Bromodichloromethane	ND	0.00500									
Bromoform	ND	0.00500									
Bromomethane	ND	0.00500									
Carbon disulfide	ND	0.00500									
Carbon tetrachloride	ND	0.00500									
Chlorobenzene	ND	0.00500									
Chloroethane	ND	0.0100									
Chloroform	ND	0.00500									
Chloromethane	ND	0.00500									
cis-1,2-Dichloroethene	ND	0.00500									
cis-1,3-Dichloropropene	ND	0.00500									
Dibromochloromethane	ND	0.00500									
Ethylbenzene	ND	0.00500									
m,p-Xylene	ND	0.00500									
Methyl ethyl ketone	ND	0.0500									
Methylene chloride	0.00922	0.00500									
o-Xylene	ND	0.00500									
Styrene	ND	0.0200									
Tetrachloroethene	ND	0.00500									
Toluene	ND	0.00500									
trans-1,2-Dichloroethene	ND	0.0100									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 1003195
Project: Detrex RD/RA 13811443

QC SUMMARY REPORT

BatchID: R15744

Sample ID: **blk** SampType: **MBLK** TestCode: **SW_8260liq** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **ZZZZZZ** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	0.00500									
Trichloroethene	ND	0.00500									
Vinyl acetate	ND	0.0100									
Vinyl chloride	ND	0.00500									
Surr: 4-Bromofluorobenzene	96.8		100.0		96.8	86	115				
Surr: Dibromofluoromethane	94.2		100.0		94.2	86	118				
Surr: Toluene-d8	102		100.0		102	88	110				

Sample ID: **LCS 20 UG/L** SampType: **LCS** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **ZZZZZZ** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0223	0.00500	0.0200	0	112	75	125				
Benzene	0.0190	0.00500	0.0200	0	95.1	83	117				
Chlorobenzene	0.0192	0.00500	0.0200	0	96.0	77	123				
Toluene	0.0183	0.00500	0.0200	0	91.4	80	120				
Trichloroethene	0.0177	0.00500	0.0200	0	88.4	79	121				
Surr: 4-Bromofluorobenzene	95.2		100.0		95.2	86	115				
Surr: Dibromofluoromethane	99.7		100.0		99.7	86	118				
Surr: Toluene-d8	99.2		100.0		99.2	88	110				

Sample ID: **LCSD 20 UG/L** SampType: **LCSD** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **ZZZZZZ** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.0223	0.00500	0.0200	0	111	75	125	0.0223	0.224	20	
Benzene	0.0190	0.00500	0.0200	0	95.1	83	117	0.0190	0	20	
Chlorobenzene	0.0196	0.00500	0.0200	0	97.9	77	123	0.0192	1.91	20	
Toluene	0.0185	0.00500	0.0200	0	92.5	80	120	0.0183	1.20	20	
Trichloroethene	0.0181	0.00500	0.0200	0	90.4	79	121	0.0177	2.29	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 1003195
Project: Detrex RD/RA 13811443

QC SUMMARY REPORT

BatchID: R15744

Sample ID: **LCSD 20 UG/L** SampType: **LCSD** TestCode: **sw_8260liq** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **ZZZZZZ** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	96.1		100.0		96.1	86	115		0	20	
Surr: Dibromofluoromethane	102		100.0		102	86	118		0	20	
Surr: Toluene-d8	99.7		100.0		99.7	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 1003195
Project: Detrex RD/RA 13811443

QC SUMMARY REPORT

BatchID: R15744

Sample ID: **LCS1** SampType: **lcs** TestCode: **epa_624aq** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **LCSW** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.0194	0.00500	0.0200	0	97.0	52	162				
1,1,2,2-Tetrachloroethane	0.0139	0.00500	0.0200	0	69.5	46	157				
1,1,2-Trichloroethane	0.0206	0.00500	0.0200	0	103	52	150				
1,1-Dichloroethane	0.0147	0.00500	0.0200	0	73.3	59	155				
1,1-Dichloroethene	0.0219	0.00500	0.0200	0	109	1	234				
1,2-Dichloroethane	0.0156	0.00500	0.0200	0	78.2	49	155				
1,2-Dichloropropane	0.0184	0.00500	0.0200	0	92.1	1	210				
Benzene	0.0191	0.00500	0.0200	0	95.7	37	151				
Bromodichloromethane	0.0192	0.00500	0.0200	0	95.9	35	155				
Bromoform	0.0204	0.00500	0.0200	0	102	45	169				
Bromomethane	0.0254	0.00500	0.0200	0	127	1	242				
Carbon tetrachloride	0.0173	0.00500	0.0200	0	86.6	70	140				
Chlorobenzene	0.0185	0.00500	0.0200	0	92.6	37	160				
Chloroethane	0.0173	0.0100	0.0200	0	86.2	14	230				
Chloroform	0.0173	0.00500	0.0200	0	86.2	51	138				
Chloromethane	0.00983	0.00500	0.0200	0	49.2	1	273				
cis-1,3-Dichloropropene	0.0166	0.00500	0.0200	0	83.0	1	227				
Dibromochloromethane	0.0186	0.00500	0.0200	0	92.8	53	149				
Ethylbenzene	0.0160	0.00500	0.0200	0	80.0	37	162				
Methylene chloride	0.0205	0.00500	0.0200	0	103	1	221				
Tetrachloroethene	0.0179	0.00500	0.0200	0	89.3	64	148				
Toluene	0.0175	0.00500	0.0200	0	87.5	47	150				
trans-1,2-Dichloroethene	0.0146	0.0100	0.0200	0	72.8	54	156				
trans-1,3-Dichloropropene	0.0198	0.00500	0.0200	0	99.1	17	183				
Trichloroethene	0.0222	0.00500	0.0200	0	111	71	157				
Vinyl chloride	0.0189	0.00500	0.0200	0	94.7	1	251				
Surr: 4-Bromofluorobenzene	94.6		100.0		94.6	86	115				
Surr: Dibromofluoromethane	73.4		100.0		73.4	86	118				S
Surr: Toluene-d8	98.9		100.0		98.9	88	110				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 1003195
Project: Detrex RD/RA 13811443

QC SUMMARY REPORT

BatchID: R15744

Sample ID: **LCSD1** SampType: **lcsd** TestCode: **epa_624aq** Units: **mg/L** Prep Date: RunNo: **15744**
Client ID: **LCSS02** Batch ID: **R15744** TestNo: **SW8260B** Analysis Date: **3/15/2010** SeqNo: **205605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.0202	0.00500	0.0200	0	101	52	162	0	0	20	
1,1,2,2-Tetrachloroethane	0.0156	0.00500	0.0200	0	78.0	46	157	0	0	20	
1,1,2-Trichloroethane	0.0205	0.00500	0.0200	0	103	52	150	0	0	20	
1,1-Dichloroethane	0.0157	0.00500	0.0200	0	78.6	59	155	0	0	20	
1,1-Dichloroethene	0.0221	0.00500	0.0200	0	110	1	234	0	0	20	
1,2-Dichloroethane	0.0154	0.00500	0.0200	0	76.8	49	155	0	0	20	
1,2-Dichloropropane	0.0188	0.00500	0.0200	0	93.8	1	210	0	0	20	
Benzene	0.0196	0.00500	0.0200	0	98.1	37	151	0	0	20	
Bromodichloromethane	0.0195	0.00500	0.0200	0	97.6	35	155	0	0	20	
Bromoform	0.0220	0.00500	0.0200	0	110	45	169	0	0	20	
Bromomethane	0.0271	0.00500	0.0200	0	136	1	242	0	0	20	
Carbon tetrachloride	0.0183	0.00500	0.0200	0	91.6	70	140	0	0	20	
Chlorobenzene	0.0207	0.00500	0.0200	0	103	37	160	0	0	20	
Chloroethane	0.0173	0.0100	0.0200	0	86.4	14	230	0	0	20	
Chloroform	0.0174	0.00500	0.0200	0	87.0	51	138	0	0	20	
Chloromethane	0.00993	0.00500	0.0200	0	49.6	1	273	0	0	20	
cis-1,3-Dichloropropene	0.0177	0.00500	0.0200	0	88.3	1	227	0	0	20	
Dibromochloromethane	0.0191	0.00500	0.0200	0	95.5	53	149	0	0	20	
Ethylbenzene	0.0194	0.00500	0.0200	0	96.9	37	162	0	0	20	
Methylene chloride	0.0207	0.00500	0.0200	0	103	1	221	0	0	20	
Tetrachloroethene	0.0201	0.00500	0.0200	0	100	64	148	0	0	20	
Toluene	0.0194	0.00500	0.0200	0	96.9	47	150	0	0	20	
trans-1,2-Dichloroethene	0.0148	0.0100	0.0200	0	74.2	54	156	0	0	20	
trans-1,3-Dichloropropene	0.0214	0.00500	0.0200	0	107	17	183	0	0	20	
Trichloroethene	0.0227	0.00500	0.0200	0	113	71	157	0	0	20	
Vinyl chloride	0.0192	0.00500	0.0200	0	96.0	1	251	0	0	20	
Surr: 4-Bromofluorobenzene	95.2		100.0		95.2	86	115		0	20	
Surr: Dibromofluoromethane	77.0		100.0		77.0	86	118		0	20	S
Surr: Toluene-d8	98.3		100.0		98.3	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER #: 1003195

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt - URS Corporation	INVOICE TO: NAME
ADDRESS: 1375 Euclid Avenue Suite 600	ADDRESS
CITY: Cleveland; STATE: OH; ZIP CODE: 44115	CITY; STATE; ZIP CODE
PHONE NO.: 216-622-2400; FAX NO.: 216-622-2464	PHONE NO.; FAX NO.
EMAIL: Martin-Schmidt@URScorp.com; PROJECT NAME/NUMBER: Detrex RD/RA 13811443	PO#: ; QUOTE #: 569

Turnaround Time: ☒ Std. **Rush:** ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature _____

Special Instructions & QC Requirements (additional charge for QC):
Please also send results to Peggy_Schuler@URScorp.com

TEMP (°C) 6

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX		VOC 8260	MS/MSD											
1	GP-1	3/5/10	1615		X	3	W		X		-1										
2	GP-2		1620		X	3	W		X		-2										
3	MW-11S		1626		X	3	W		X		-3										
4	IT-609		1600		X	6	W		X	X	-4										
5	IT-607		1610		X	3	W		X		-5										
6	IT-601		1620		X	3	W		X		-6										
7	IT-605		1645		X	3	W		X		-7										
8	IT-603		1700		X	3	W		X		-8										
9	IT-611		1545		X	3	W		X		-9										
10	IT-613		1530		X	3	W		X		-10										
11	IT-614		1515		X	3	W		X		-11										
12	MW-1		1652		X	3	W		X		-12										
13	DUP-1		—		X	3	W		X		-13										

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
[signature]	[signature]	3-8	8:20				

Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received in laboratory by: (Signature)	Date	Time
				[signature]	3/8/10	8:20

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER # 1003195

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt - URS Corporation	INVOICE TO: NAME
ADDRESS: 1375 Euclid Avenue Suite 600	ADDRESS
CITY: Cleveland; STATE: OH; ZIP CODE: 44115	CITY; STATE; ZIP CODE
PHONE NO.: 216-622-2400; FAX NO.: 216-622-2464	PHONE NO.; FAX NO.
EMAIL: MartinSchmidt@urscorp.com; PROJECT NAME/NUMBER: Detrex RD/RA 13811443	PO#: ; QUOTE #: 569 ORW

Turnaround Time: ☒ Std. **Rush:** ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature

Special Instructions & QC Requirements (additional charge for QC): Please also send results to Peggy-Schuler@urscorp.com

TEMP (°C) 6

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	VOC 8260														
1	IT-600	3/5/10	1630		X	3	W	X				-14										
2	Trip Blank	—	—		X	2	W	X					-15	3/9/10								
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
[signature] Chuck Siegel	Chuck Siegel	3-8	8:20				
Received by: (Signature)	**Relinquished by: (Signature)**	**Date**	**Time**	**Received in laboratory by: (Signature)**		**Date**	**Time**
				Christ [signature]		3/8/10	8:20

samplereceivinglog.xls

Precision Analytical, Inc.
Sample Receiving Summary Log

Work Order #: 1003195 Sample Custodian: CG

Date & Time Received: 3/8/10 8:20 Date & Time Logged-In: 3/8/10 9:00

Samples Dropped Off By: ( ) PAI ( ) UPS ( ) FedEx (✓) Client ( ) Airborne ( ) DHL ( ) Other _____

Samples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:
( ) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envantage ( ) J.&H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: ( ) Aqueous (✓) Liquid ( ) Soil/Sludge ( ) Solid ( ) Oil ( ) Gas ( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no; Properly Filled Out (✓) yes ( ) no

Sample Containers: ( ) Glass (✓) VOA ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag ( ) D.O. Bottle ( ) Sterile Bottle no pres.

All Present	(✓) yes	(✓) no	( ) na
Intact	(✓) yes	( ) no	( ) na
Salvagable	( ) yes	( ) no	(✓) na

# of containers: 45 (missing trip blank) 3/9/10 47 (3/9/10)

Sample Labels:

Legible	(✓) yes	( ) no	( ) na
Match COC	(✓) yes	( ) no	

Misc. Information:

Preserved	( ) yes	( ) no	(✓) na
On Ice/Cooling 6 °C	(✓) yes	( ) no	( ) na
Past Hold Time	( ) yes	(✓) no	( ) na
Contain Headspace **	( ) yes	(✓) no	( ) na
pH w/in range	( ) yes	( ) no	(✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____
Phenol _____ TOC _____ TKN _____ Phos _____
Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

Did not receive Trip Blank Sample 3/8/10

Client dropped off 2 VOA Trip Blanks 3/9/10 logged in today. (3/9/10)

if client is called provided information in the section above

Form Approved By:
Mark Kalmeyer: [signature]
Scott Bolam: SCB

Form#: 244
Rev#: 0
Eff. Date: 1/2/08

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

March 22, 2010

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115
TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex RD/RA 13811443 Order No.: 1003221

Dear Martin Schmidt:

Precision Analytical, Inc. received 10 sample(s) on 3/9/2010 for the analyses presented in the following report.

THIS IS A REVISED REPORT

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

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Cleveland, OH 44128
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Case Narrative

WO#: **1003221**
Date: **3/22/2010**

CLIENT: URS Corp.
Project: Detrex RD/RA 13811443

Report revised 3/30/10: added Batch QC report.

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:32:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-001

Matrix: AQUEOUS

Client Sample ID DETWMW-1D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 7:40:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 7:40:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 7:40:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 7:40:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 7:40:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 7:40:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 7:40:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Website:
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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:32:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-001

Matrix: AQUEOUS

Client Sample ID DETWMW-1D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 7:40:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 7:40:00 PM
Surr: 4-Bromofluorobenzene	101	86-115		%REC	1	3/18/2010 7:40:00 PM
Surr: Dibromofluoromethane	90.0	86-118		%REC	1	3/18/2010 7:40:00 PM
Surr: Toluene-d8	98.1	88-110		%REC	1	3/18/2010 7:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:30:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-002

Matrix: AQUEOUS

Client Sample ID DETWMW-1S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 8:04:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 8:04:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 8:04:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 8:04:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 8:04:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 8:04:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 8:04:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:30:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-002

Matrix: AQUEOUS

Client Sample ID DETWMW-1S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 8:04:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 8:04:00 PM
Surr: 4-Bromofluorobenzene	101	86-115		%REC	1	3/18/2010 8:04:00 PM
Surr: Dibromofluoromethane	96.0	86-118		%REC	1	3/18/2010 8:04:00 PM
Surr: Toluene-d8	98.5	88-110		%REC	1	3/18/2010 8:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:45:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-003

Matrix: AQUEOUS

Client Sample ID DETWMW-2D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 8:28:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 8:28:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 8:28:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 8:28:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 8:28:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 8:28:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 8:28:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp. **Collection Date:** 3/8/2010 3:45:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-003 **Matrix:** AQUEOUS

Client Sample ID DETWMW-2D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 8:28:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 8:28:00 PM
Surr: 4-Bromofluorobenzene	101	86-115		%REC	1	3/18/2010 8:28:00 PM
Surr: Dibromofluoromethane	96.7	86-118		%REC	1	3/18/2010 8:28:00 PM
Surr: Toluene-d8	98.3	88-110		%REC	1	3/18/2010 8:28:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:42:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-004

Matrix: AQUEOUS

Client Sample ID DETWMW-2S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 8:52:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 8:52:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 8:52:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 8:52:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 8:52:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 8:52:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 8:52:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:42:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-004

Matrix: AQUEOUS

Client Sample ID DETWMW-2S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 8:52:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 8:52:00 PM
Surr: 4-Bromofluorobenzene	99.7	86-115		%REC	1	3/18/2010 8:52:00 PM
Surr: Dibromofluoromethane	94.2	86-118		%REC	1	3/18/2010 8:52:00 PM
Surr: Toluene-d8	98.4	88-110		%REC	1	3/18/2010 8:52:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:56:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-005

Matrix: AQUEOUS

Client Sample ID DETWMW-3D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 9:40:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 9:40:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 9:40:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 9:40:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 9:40:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 9:40:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 9:40:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp. **Collection Date:** 3/8/2010 3:56:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-005 **Matrix:** AQUEOUS

Client Sample ID DETWMW-3D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 9:40:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 9:40:00 PM
Surr: 4-Bromofluorobenzene	99.2	86-115		%REC	1	3/18/2010 9:40:00 PM
Surr: Dibromofluoromethane	88.4	86-118		%REC	1	3/18/2010 9:40:00 PM
Surr: Toluene-d8	98.3	88-110		%REC	1	3/18/2010 9:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 3:53:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-006

Matrix: AQUEOUS

Client Sample ID DETWMW-3S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 10:04:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 10:04:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 10:04:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 10:04:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 10:04:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 10:04:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 10:04:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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FAX: (216) 663-0656
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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp. **Collection Date:** 3/8/2010 3:53:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-006 **Matrix:** AQUEOUS

Client Sample ID DETWMW-3S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 10:04:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 10:04:00 PM
Surr: 4-Bromofluorobenzene	99.1	86-115		%REC	1	3/18/2010 10:04:00 PM
Surr: Dibromofluoromethane	88.2	86-118		%REC	1	3/18/2010 10:04:00 PM
Surr: Toluene-d8	97.5	88-110		%REC	1	3/18/2010 10:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 4:11:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-007

Matrix: AQUEOUS

Client Sample ID DETWMW-4D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 10:28:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 10:28:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 10:28:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 10:28:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 10:28:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 10:28:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 10:28:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 4:11:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-007

Matrix: AQUEOUS

Client Sample ID DETWMW-4D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 10:28:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 10:28:00 PM
Surr: 4-Bromofluorobenzene	99.9	86-115		%REC	1	3/18/2010 10:28:00 PM
Surr: Dibromofluoromethane	96.7	86-118		%REC	1	3/18/2010 10:28:00 PM
Surr: Toluene-d8	97.7	88-110		%REC	1	3/18/2010 10:28:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 4:08:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-008

Matrix: AQUEOUS

Client Sample ID DETWMW-4S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 10:52:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 10:52:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 10:52:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 10:52:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 10:52:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 10:52:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 10:52:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Website:
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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010 4:08:00 PM

Project: Detrex RD/RA 13811443

Lab ID: 1003221-008

Matrix: AQUEOUS

Client Sample ID DETWMW-4S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 10:52:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 10:52:00 PM
Surr: 4-Bromofluorobenzene	101	86-115		%REC	1	3/18/2010 10:52:00 PM
Surr: Dibromofluoromethane	105	86-118		%REC	1	3/18/2010 10:52:00 PM
Surr: Toluene-d8	99.0	88-110		%REC	1	3/18/2010 10:52:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010

Project: Detrex RD/RA 13811443

Lab ID: 1003221-009

Matrix: AQUEOUS

Client Sample ID DUP-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
2-Hexanone	ND	10.0		µg/L	1	3/18/2010 11:16:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/18/2010 11:16:00 PM
Acetone	ND	50.0		µg/L	1	3/18/2010 11:16:00 PM
Benzene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Bromoform	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Bromomethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Carbon disulfide	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Chlorobenzene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Chloroethane	ND	10.0		µg/L	1	3/18/2010 11:16:00 PM
Chloroform	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Chloromethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Ethylbenzene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
m,p-Xylene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/18/2010 11:16:00 PM
Methylene chloride	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
o-Xylene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Styrene	ND	20.0		µg/L	1	3/18/2010 11:16:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Toluene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/18/2010 11:16:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Trichloroethene	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp. **Collection Date:** 3/8/2010

Project: Detrex RD/RA 13811443

Lab ID: 1003221-009 **Matrix:** AQUEOUS

Client Sample ID DUP-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/18/2010 11:16:00 PM
Vinyl chloride	ND	5.00		µg/L	1	3/18/2010 11:16:00 PM
Surr: 4-Bromofluorobenzene	99.4	86-115		%REC	1	3/18/2010 11:16:00 PM
Surr: Dibromofluoromethane	86.2	86-118		%REC	1	3/18/2010 11:16:00 PM
Surr: Toluene-d8	97.8	88-110		%REC	1	3/18/2010 11:16:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp.

Collection Date: 3/8/2010

Project: Detrex RD/RA 13811443

Lab ID: 1003221-010

Matrix: AQUEOUS

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
1,1-Dichloroethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
1,1-Dichloroethene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
1,2-Dichloroethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
1,2-Dichloropropane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
2-Hexanone	ND	10.0		µg/L	1	3/19/2010 9:45:00 AM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	3/19/2010 9:45:00 AM
Acetone	ND	50.0		µg/L	1	3/19/2010 9:45:00 AM
Benzene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Bromodichloromethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Bromoform	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Bromomethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Carbon disulfide	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Carbon tetrachloride	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Chlorobenzene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Chloroethane	ND	10.0		µg/L	1	3/19/2010 9:45:00 AM
Chloroform	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Chloromethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Dibromochloromethane	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Ethylbenzene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
m,p-Xylene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Methyl ethyl ketone	ND	50.0		µg/L	1	3/19/2010 9:45:00 AM
Methylene chloride	8.01	5.00		µg/L	1	3/19/2010 9:45:00 AM
o-Xylene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Styrene	ND	20.0		µg/L	1	3/19/2010 9:45:00 AM
Tetrachloroethene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Toluene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	3/19/2010 9:45:00 AM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Trichloroethene	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **1003221**

Date Reported: **3/22/2010**

CLIENT: URS Corp. **Collection Date:** 3/8/2010

Project: Detrex RD/RA 13811443

Lab ID: 1003221-010 **Matrix:** AQUEOUS

Client Sample ID Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
Vinyl acetate	ND	10.0		µg/L	1	3/19/2010 9:45:00 AM
Vinyl chloride	ND	5.00		µg/L	1	3/19/2010 9:45:00 AM
Surr: 4-Bromofluorobenzene	100	86-115		%REC	1	3/19/2010 9:45:00 AM
Surr: Dibromofluoromethane	98.4	86-118		%REC	1	3/19/2010 9:45:00 AM
Surr: Toluene-d8	98.0	88-110		%REC	1	3/19/2010 9:45:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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QC SUMMARY REPORT

WO#: **1003221**

30-Mar-10

Client: URS Corp.

Project: Detrex RD/RA 13811443 **BatchID:** R15916

Sample ID: **blk** SampType: **MBLK** TestCode: **SW_8260liq** Units: **µg/L** Prep Date: RunNo: **15916**

Client ID: **ZZZZZZ** Batch ID: **R15916** TestNo: **SW8260B** Analysis Date: **3/18/2010** SeqNo: **207992**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	10.0									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	10.0									
Chloroform	ND	5.00									
Chloromethane	ND	5.00									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
Methyl ethyl ketone	ND	50.0									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceed
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

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QC SUMMARY REPORT

WO#: 1003221
30-Mar-10

Client: URS Corp.
Project: Detrex RD/RA 13811443 **BatchID:** R15916

Sample ID: **blk** SampType: **MBLK** TestCode: **SW_8260liq** Units: **µg/L** Prep Date: RunNo: **15916**
Client ID: **ZZZZZZ** Batch ID: **R15916** TestNo: **SW8260B** Analysis Date: **3/18/2010** SeqNo: **207992**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	5.00									
o-Xylene	ND	5.00									
Styrene	ND	20.0									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	102		100.0		102	86	115				
Surr: Dibromofluoromethane	108		100.0		108	86	118				
Surr: Toluene-d8	102		100.0		102	88	110				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceed
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

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QC SUMMARY REPORT

WO#: 1003221
30-Mar-10

Client: URS Corp.
Project: Detrex RD/RA 13811443 **BatchID:** R15916

Sample ID: **LCS** SampType: **LCS** TestCode: **EPA_624AQ** Units: **µg/L** Prep Date: RunNo: **15916**
Client ID: **LCSW** Batch ID: **R15916** TestNo: **SW8260B** Analysis Date: **3/18/2010** SeqNo: **207994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.7	5.00	20.00	0	104	52	162				
1,1,2,2-Tetrachloroethane	22.2	5.00	20.00	0	111	46	157				
1,1,2-Trichloroethane	21.5	5.00	20.00	0	108	52	150				
1,1-Dichloroethane	19.8	5.00	20.00	0	98.8	59	155				
1,1-Dichloroethene	18.6	5.00	20.00	0	92.8	1	234				
1,2-Dichloroethane	20.6	5.00	20.00	0	103	49	155				
1,2-Dichloropropane	21.4	5.00	20.00	0	107	1	210				
Benzene	20.1	5.00	20.00	0	101	37	151				
Bromodichloromethane	21.7	5.00	20.00	0	109	35	155				
Bromoform	26.2	5.00	20.00	0	131	45	169				
Bromomethane	20.8	5.00	20.00	0	104	1	242				
Carbon tetrachloride	20.7	5.00	20.00	0	103	70	140				
Chlorobenzene	20.3	5.00	20.00	0	102	37	160				
Chloroethane	14.8	10.0	20.00	0	74.2	14	230				
Chloroform	20.1	5.00	20.00	0	100	51	138				
Chloromethane	17.0	5.00	20.00	0	84.8	1	273				
cis-1,3-Dichloropropene	25.1	5.00	20.00	0	125	1	227				
Dibromochloromethane	23.5	5.00	20.00	0	118	53	149				
Ethylbenzene	20.1	5.00	20.00	0	101	37	162				
Methylene chloride	19.2	5.00	20.00	0	96.2	1	221				
Tetrachloroethene	19.1	5.00	20.00	0	95.4	64	148				
Toluene	19.8	5.00	20.00	0	99.1	47	150				
trans-1,2-Dichloroethene	20.0	10.0	20.00	0	100	54	156				
trans-1,3-Dichloropropene	26.5	5.00	20.00	0	132	17	183				
Trichloroethene	19.6	5.00	20.00	0	97.9	71	157				
Vinyl chloride	16.9	5.00	20.00	0	84.4	1	251				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceed
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

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QC SUMMARY REPORT

WO#: 1003221
30-Mar-10

Client: URS Corp.
Project: Detrex RD/RA 13811443 **BatchID:** R15916

Sample ID: LCS | SampType: LCS | TestCode: EPA_624AQ | Units: µg/L | Prep Date: | RunNo: 15916
Client ID: LCSW | Batch ID: R15916 | TestNo: SW8260B | Analysis Date: 3/18/2010 | SeqNo: 207994

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	101		100.0		101	86	115				
Surr: Dibromofluoromethane	101		100.0		101	86	118				
Surr: Toluene-d8	100		100.0		100	88	110				

Sample ID: LCSD | SampType: LCSD | TestCode: EPA_624AQ | Units: µg/L | Prep Date: | RunNo: 15916
Client ID: LCSS02 | Batch ID: R15916 | TestNo: SW8260B | Analysis Date: 3/18/2010 | SeqNo: 207995

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.6	5.00	20.00	0	103	52	162	20.74	0.532	20	
1,1,2,2-Tetrachloroethane	17.4	5.00	20.00	0	87.1	46	157	22.21	24.2	20	R
1,1,2-Trichloroethane	21.5	5.00	20.00	0	108	52	150	21.54	0.0464	20	
1,1-Dichloroethane	18.3	5.00	20.00	0	91.7	59	155	19.75	7.46	20	
1,1-Dichloroethene	18.7	5.00	20.00	0	93.4	1	234	18.57	0.537	20	
1,2-Dichloroethane	20.3	5.00	20.00	0	101	49	155	20.60	1.66	20	
1,2-Dichloropropane	21.4	5.00	20.00	0	107	1	210	21.41	0.187	20	
Benzene	20.4	5.00	20.00	0	102	37	151	20.14	1.14	20	
Bromodichloromethane	21.4	5.00	20.00	0	107	35	155	21.72	1.53	20	
Bromoform	25.5	5.00	20.00	0	128	45	169	26.16	2.48	20	
Bromomethane	17.5	5.00	20.00	0	87.7	1	242	20.78	16.9	20	
Carbon tetrachloride	20.2	5.00	20.00	0	101	70	140	20.69	2.59	20	
Chlorobenzene	20.6	5.00	20.00	0	103	37	160	20.31	1.47	20	
Chloroethane	15.7	10.0	20.00	0	78.5	14	230	14.84	5.63	20	
Chloroform	20.0	5.00	20.00	0	99.8	51	138	20.08	0.549	20	
Chloromethane	17.1	5.00	20.00	0	85.3	1	273	16.95	0.647	20	
cis-1,3-Dichloropropene	23.0	5.00	20.00	0	115	1	227	25.09	8.78	20	
Dibromochloromethane	22.8	5.00	20.00	0	114	53	149	23.50	3.20	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceede
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

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QC SUMMARY REPORT

WO#: **1003221**

30-Mar-10

Client: URS Corp.

Project: Detrex RD/RA 13811443 **BatchID:** R15916

Sample ID: **LCSD** SampType: **LCSD** TestCode: **EPA_624AQ** Units: **µg/L** Prep Date: RunNo: **15916**

Client ID: **LCSS02** Batch ID: **R15916** TestNo: **SW8260B** Analysis Date: **3/18/2010** SeqNo: **207995**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	20.3	5.00	20.00	0	101	37	162	20.13	0.792	20	
Methylene chloride	18.9	5.00	20.00	0	94.4	1	221	19.23	1.84	20	
Tetrachloroethene	25.3	5.00	20.00	0	126	64	148	19.09	27.8	20	R
Toluene	20.3	5.00	20.00	0	101	47	150	19.82	2.34	20	
trans-1,2-Dichloroethene	19.8	10.0	20.00	0	99.0	54	156	20.05	1.20	20	
trans-1,3-Dichloropropene	23.2	5.00	20.00	0	116	17	183	26.46	13.3	20	
Trichloroethene	21.5	5.00	20.00	0	107	71	157	19.58	9.21	20	
Vinyl chloride	16.7	5.00	20.00	0	83.6	1	251	16.89	1.01	20	
Surr: 4-Bromofluorobenzene	101		100.0		101	86	115		0	20	
Surr: Dibromofluoromethane	88.8		100.0		88.8	86	118		0	20	
Surr: Toluene-d8	100		100.0		100	88	110		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceede
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

PRECISION ANALYTICAL, INC.
4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
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QC SUMMARY REPORT

WO#: 1003221
30-Mar-10

Client: URS Corp.
Project: Detrex RD/RA 13811443 **BatchID:** R15938

Sample ID: 1003554-001AMS SampType: MS TestCode: SW_8260TCL Units: µg/L Prep Date: RunNo: 15938
Client ID: ZZZZZZ Batch ID: R15938 TestNo: SW8260B Analysis Date: 3/19/2010 SeqNo: 208280

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	394	100	400.0	0	98.5	75	125				
Benzene	405	100	400.0	0	101	83	117				
Chlorobenzene	413	100	400.0	0	103	77	123				
Toluene	405	100	400.0	0	101	80	120				
Trichloroethene	395	100	400.0	0	98.8	79	121				
Surr: 4-Bromofluorobenzene	2,010		2,000		100	86	115				
Surr: Dibromofluoromethane	2,060		2,000		103	86	118				
Surr: Toluene-d8	1,990		2,000		99.4	88	110				

Sample ID: 1003554-001AMSD SampType: MSD TestCode: SW_8260TCL Units: µg/L Prep Date: RunNo: 15938
Client ID: ZZZZZZ Batch ID: R15938 TestNo: SW8260B Analysis Date: 3/19/2010 SeqNo: 208281

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	377	100	400.0	0	94.4	75	125	394.0	4.30	20	
Benzene	399	100	400.0	0	99.8	83	117	405.0	1.39	20	
Chlorobenzene	412	100	400.0	0	103	77	123	413.4	0.339	20	
Toluene	407	100	400.0	0	102	80	120	404.8	0.542	20	
Trichloroethene	397	100	400.0	0	99.2	79	121	395.2	0.404	20	
Surr: 4-Bromofluorobenzene	2,000		2,000		99.8	86	115		0	20	
Surr: Dibromofluoromethane	2,040		2,000		102	86	118		0	20	
Surr: Toluene-d8	2,030		2,000		102	88	110		0	20	

Qualifiers:

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R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

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Website:
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QC SUMMARY REPORT

WO#: 1003221
30-Mar-10

Client: URS Corp.
Project: Detrex RD/RA 13811443 **BatchID:** R15938

Sample ID: **blk** SampType: **MBLK** TestCode: **SW_8260liq** Units: **µg/L** Prep Date: RunNo: **15938**
Client ID: **ZZZZZZ** Batch ID: **R15938** TestNo: **SW8260B** Analysis Date: **3/19/2010** SeqNo: **208259**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	10.0									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	10.0									
Chloroform	ND	5.00									
Chloromethane	ND	5.00									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
Methyl ethyl ketone	ND	50.0									

Qualifiers:

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QC SUMMARY REPORT

WO#: **1003221**

30-Mar-10

Client: URS Corp.

Project: Detrex RD/RA 13811443 **BatchID:** R15938

Sample ID: **blk** SampType: **MBLK** TestCode: **SW_8260liq** Units: **µg/L** Prep Date: RunNo: **15938**

Client ID: **ZZZZZZ** Batch ID: **R15938** TestNo: **SW8260B** Analysis Date: **3/19/2010** SeqNo: **208259**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	5.00									
o-Xylene	ND	5.00									
Styrene	ND	20.0									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	99.5		100.0		99.5	86	115				
Surr: Dibromofluoromethane	78.5		100.0		78.5	86	118				S
Surr: Toluene-d8	98.2		100.0		98.2	88	110				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analysis exceed
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QC SUMMARY REPORT

WO#: **1003221**

30-Mar-10

Client: URS Corp.

Project: Detrex RD/RA 13811443 **BatchID:** R15938

Sample ID: **LCSD 20 UG/L** SampType: **LCSD** TestCode: **EPA_624AQ** Units: **µg/L** Prep Date: RunNo: **15938**

Client ID: **LCSS02** Batch ID: **R15938** TestNo: **SW8260B** Analysis Date: **3/19/2010** SeqNo: **208261**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.9	5.00	20.00	0	104	52	162				
1,1,2,2-Tetrachloroethane	21.7	5.00	20.00	0	109	46	157				
1,1,2-Trichloroethane	22.4	5.00	20.00	0	112	52	150				
1,1-Dichloroethane	20.5	5.00	20.00	0	103	59	155				
1,1-Dichloroethene	20.0	5.00	20.00	0	100	1	234				
1,2-Dichloroethane	21.3	5.00	20.00	0	107	49	155				
1,2-Dichloropropane	21.6	5.00	20.00	0	108	1	210				
Benzene	20.6	5.00	20.00	0	103	37	151				
Bromodichloromethane	22.6	5.00	20.00	0	113	35	155				
Bromoform	25.8	5.00	20.00	0	129	45	169				
Bromomethane	21.0	5.00	20.00	0	105	1	242				
Carbon tetrachloride	21.4	5.00	20.00	0	107	70	140				
Chlorobenzene	20.8	5.00	20.00	0	104	37	160				
Chloroethane	16.5	10.0	20.00	0	82.4	14	230				
Chloroform	21.1	5.00	20.00	0	105	51	138				
Chloromethane	17.1	5.00	20.00	0	85.7	1	273				
cis-1,3-Dichloropropene	24.9	5.00	20.00	0	124	1	227				
Dibromochloromethane	23.7	5.00	20.00	0	119	53	149				
Ethylbenzene	20.5	5.00	20.00	0	103	37	162				
Methylene chloride	25.5	5.00	20.00	0	128	1	221				
Tetrachloroethene	18.8	5.00	20.00	0	94.2	64	148				
Toluene	20.4	5.00	20.00	0	102	47	150				
trans-1,2-Dichloroethene	21.0	10.0	20.00	0	105	54	156				
trans-1,3-Dichloropropene	26.1	5.00	20.00	0	130	17	183				
Trichloroethene	19.6	5.00	20.00	0	98.2	71	157				
Vinyl chloride	17.9	5.00	20.00	0	89.7	1	251				

Qualifiers:

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QC SUMMARY REPORT

WO#: **1003221**

30-Mar-10

Client: URS Corp.

Project: Detrex RD/RA 13811443 **BatchID:** R15938

Sample ID: **LCSD 20 UG/L** SampType: **LCSD** TestCode: **EPA_624AQ** Units: **µg/L** Prep Date: RunNo: **15938**

Client ID: **LCSS02** Batch ID: **R15938** TestNo: **SW8260B** Analysis Date: **3/19/2010** SeqNo: **208261**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	101		100.0		101	86	115				
Surr: Dibromofluoromethane	107		100.0		107	86	118				
Surr: Toluene-d8	99.7		100.0		99.7	88	110				

Sample ID: **LCS 20 UG/L** SampType: **LCS** TestCode: **EPA_624AQ** Units: **µg/L** Prep Date: RunNo: **15938**

Client ID: **LCSW** Batch ID: **R15938** TestNo: **SW8260B** Analysis Date: **3/19/2010** SeqNo: **208279**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.4	5.00	20.00	0	102	52	162				
1,1,2,2-Tetrachloroethane	18.7	5.00	20.00	0	93.7	46	157				
1,1,2-Trichloroethane	21.7	5.00	20.00	0	109	52	150				
1,1-Dichloroethane	19.2	5.00	20.00	0	95.9	59	155				
1,1-Dichloroethene	20.1	5.00	20.00	0	101	1	234				
1,2-Dichloroethane	20.4	5.00	20.00	0	102	49	155				
1,2-Dichloropropane	21.4	5.00	20.00	0	107	1	210				
Benzene	20.9	5.00	20.00	0	105	37	151				
Bromodichloromethane	22.2	5.00	20.00	0	111	35	155				
Bromoform	25.8	5.00	20.00	0	129	45	169				
Bromomethane	19.4	5.00	20.00	0	97.0	1	242				
Carbon tetrachloride	20.7	5.00	20.00	0	104	70	140				
Chlorobenzene	20.9	5.00	20.00	0	105	37	160				
Chloroethane	16.7	10.0	20.00	0	83.4	14	230				
Chloroform	20.5	5.00	20.00	0	102	51	138				
Chloromethane	17.3	5.00	20.00	0	86.3	1	273				
cis-1,3-Dichloropropene	23.2	5.00	20.00	0	116	1	227				
Dibromochloromethane	23.3	5.00	20.00	0	116	53	149				

Qualifiers:

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QC SUMMARY REPORT

WO#: **1003221**

30-Mar-10

Client: URS Corp.

Project: Detrex RD/RA 13811443 **BatchID:** R15938

Sample ID: **LCS 20 UG/L** SampType: **LCS** TestCode: **EPA_624AQ** Units: **µg/L** Prep Date: RunNo: **15938**

Client ID: **LCSW** Batch ID: **R15938** TestNo: **SW8260B** Analysis Date: **3/19/2010** SeqNo: **208279**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	20.9	5.00	20.00	0	104	37	162				
Methylene chloride	24.7	5.00	20.00	0	123	1	221				
Tetrachloroethene	21.2	5.00	20.00	0	106	64	148				
Toluene	20.8	5.00	20.00	0	104	47	150				
trans-1,2-Dichloroethene	20.5	10.0	20.00	0	102	54	156				
trans-1,3-Dichloropropene	23.5	5.00	20.00	0	117	17	183				
Trichloroethene	21.5	5.00	20.00	0	108	71	157				
Vinyl chloride	17.6	5.00	20.00	0	87.9	1	251				
Surr: 4-Bromofluorobenzene	100		100.0		100	86	115				
Surr: Dibromofluoromethane	92.3		100.0		92.3	86	118				
Surr: Toluene-d8	99.9		100.0		99.9	88	110				

Qualifiers:

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PRECISION ANALYTICAL, INC.

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LABORATORY WORK ORDER # 1003221

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt – URS Corporation	INVOICE TO: NAME
ADDRESS: 1375 Euclid Avenue Suite 600	ADDRESS
CITY: Cleveland; STATE: OH; ZIP CODE: 44115	CITY; STATE; ZIP CODE
PHONE NO.: 216-622-2400; FAX NO.: 216-622-2464	PHONE NO.; FAX NO.
EMAIL: Martin_Schmidt@URScorp.com; PROJECT NAME/NUMBER: Detrex RD/RA 13811443	PO#: ; QUOTE #: 277 MR

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature _____

Special Instructions & QC Requirements (additional charge for QC): Please also send results to Peggy Schuler

TEMP (°C) 6

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	VOC 8260	
1	DETWMW-1D	3/8/10	1532		X	3	W	X	-1
2	DETWMW-1S		1530		X	3	W	X	-2
3	DETWMW-2D		1545		X	3	W	X	-3
4	DETWMW-2S		1542		X	3	W	X	-4
5	DETWMW-3D		1556		X	3	W	X	-5
6	DETWMW-3S		1553		X	3	W	X	-6
7	DETWMW-4D		1611		X	3	W	X	-7
8	DETWMW-4S		1608		X	3	W	X	-8
9	DUP-2		—		X	3	W	X	-9
10	Trip Blank	—	—		X	4 HR	W	X	-10
11									
12									
13									

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
Chuck Siegel / Anton Heiger	Chuck Siegel	3-9	9:05				
Received by: (Signature)	**Relinquished by: (Signature)**	**Date**	**Time**	**Received in laboratory by: (Signature)**		**Date**	**Time**
						3/9/10	9:05

samplereceivinglog.xls

Precision Analytical, Inc.
Sample Receiving Summary Log

Work Order #: 1003221 Sample Custodian: MR

Date & Time Received: 3/9/10 9:05 Date & Time Logged-In: 3/9/10 10:25

Samples Dropped Off By: ( ) PAI ( ) UPS ( ) FedEx (✓) Client ( ) Airborne ( ) DHL ( ) Other _____

Samples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:
( ) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envaritage ( ) J.&H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: (✓) Aqueous ( ) Liquid ( ) Soil/Sludge ( ) Solid ( ) Oil ( ) Gas
( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no
Properly Filled Out (✓) yes ( ) no

Sample Containers: ( ) Glass (✓) VOA ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag
( ) D.O. Bottle ( ) Sterile Bottle no pres.
All Present (✓) yes ( ) no ( ) na
Intact (✓) yes ( ) no ( ) na
Salvagable ( ) yes ( ) no (✓) na
# of containers: 29

Sample Labels: Legible (✓) yes ( ) no ( ) na
Match COC (✓) yes ( ) no

Misc. Information: Preserved ( ) yes ( ) no (✓) na
On Ice/Cooling 6.0 °C (✓) yes ( ) no ( ) na
Past Hold Time ( ) yes (✓) no ( ) na
Contain Headspace ** ( ) yes (✓) no (✓) na
pH w/in range ( ) yes ( ) no (✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____
Phenol _____ TOC _____ TKN _____ Phos _____
Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

Changed Container amount from 2 to 1 per Client on Trip Blank.

if client is called provided information in the section above

Form Approved By:
Mark Kalmeyer: MK
Scott Bolam: SCB

Form#: 244
Rev#: 0
Eff. Date: 1/2/08

APPENDIX E
SURVEY DATA

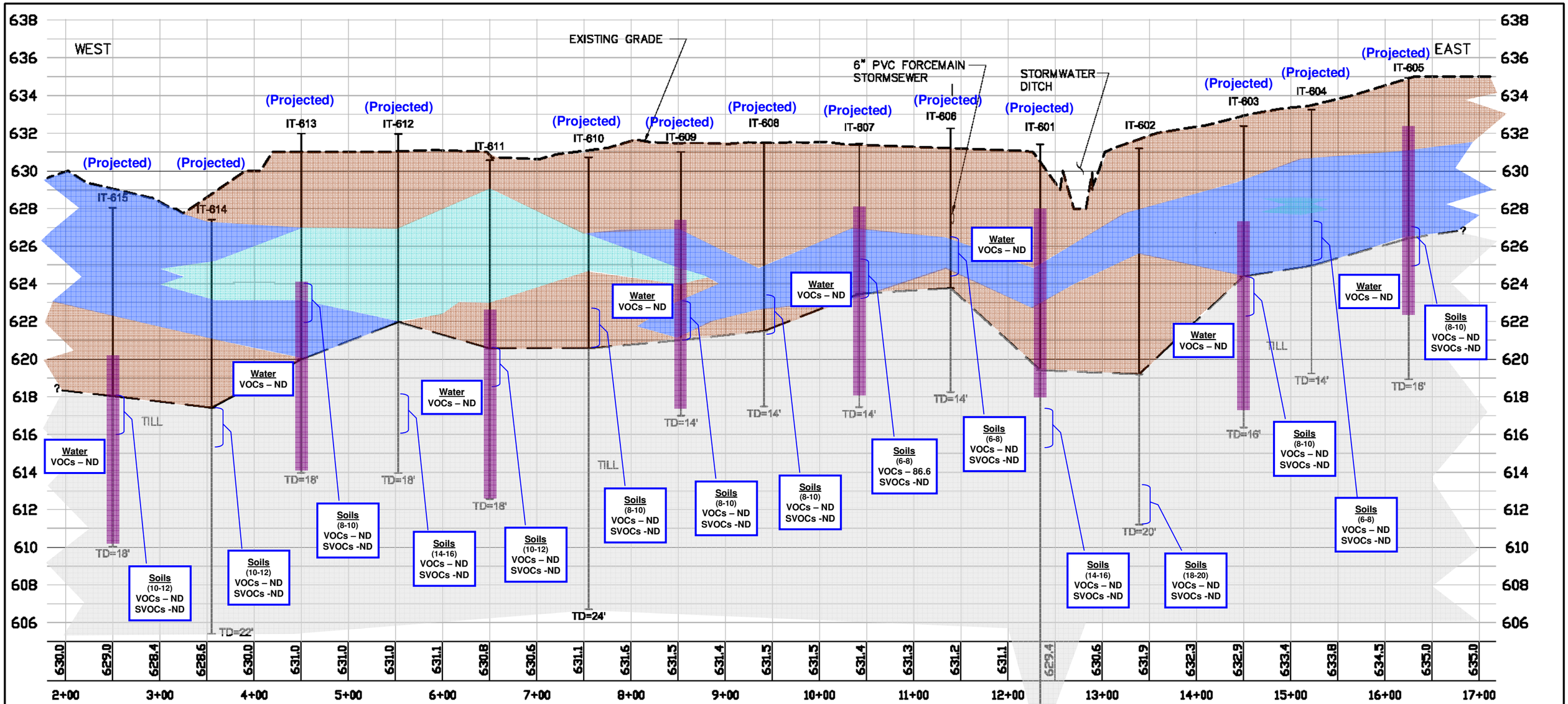
POINT NUMBER,NORTHING,EASTING,ELEVATION,DESCRIPTION
MAGNAIL-SET,816858.362,2438915.609,631.269,
(traverse pt.)

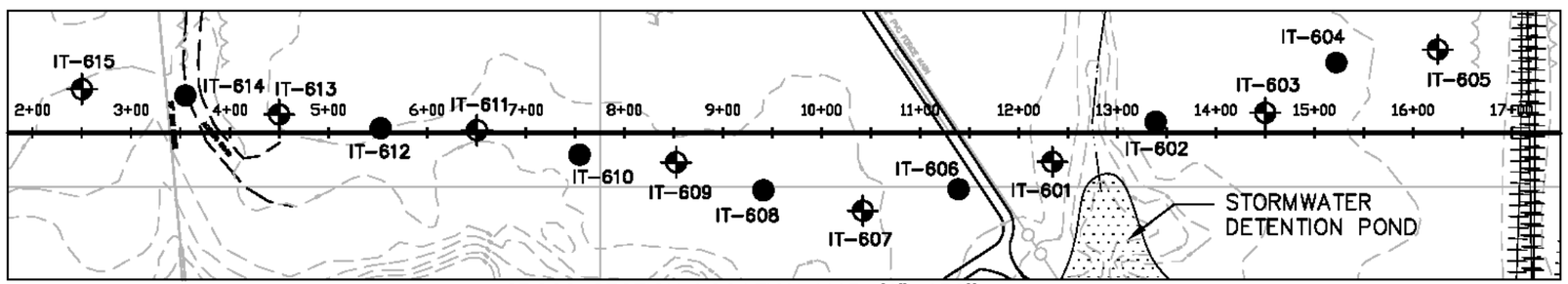
308,817277.8113,2438768.7571,630.1630,GS-TT1
309,817278.5213,2438768.8961,631.9440,TOP-PVC-TT1
310,817261.1063,2438750.8571,629.5780,GS-S.BANK
311,817264.0383,2438720.4211,625.5610,GS-TT2
312,817263.2443,2438719.9681,630.1460,TOP-PVC-TT2
313,817257.5223,2438669.2421,625.8930,DS-3
314,817248.5263,2438646.2941,625.0980,DS-4
315,817250.2303,2438627.6361,624.2020,DS-5
316,817226.9063,2438557.4611,628.0940,DS-6
317,817176.6783,2438494.5941,628.4440,DS-7
318,817125.4763,2438479.3421,634.0050,DS-8
319,817077.8703,2438474.1191,619.1940,DS-9
320,817043.7373,2438447.6621,629.4230,DS-10
321,816959.0023,2438428.4911,624.4440,DS-11
322,816912.6063,2438403.9751,621.8890,DS-12
323,816854.2703,2438361.9681,621.2120,DS-13
324,816823.3133,2438332.2911,623.0950,DS-14
325,816773.5693,2438281.9481,625.7450,DS-15
326,816758.9053,2438263.4591,623.7960,SD-106
327,816610.5473,2438203.4921,618.2660,DS-16
328,816540.2233,2438158.8291,621.9570,DS-17
329,816512.1013,2438115.1171,622.7690,DS-18
330,816510.1863,2438059.2761,632.2060,DS-19
331,816516.7803,2437982.4641,622.2590,DS-20
332,816530.5893,2437913.0461,617.2580,DS-21
333,816522.2453,2437866.6491,657.0810,DS-22
334,816500.6193,2437755.4931,614.1710,DS-23
335,816411.2993,2437704.9131,609.8050,DS-24
336,816349.8373,2437699.2781,613.2890,DS-25
337,816299.8363,2437695.2531,609.3970,DS-26
338,816226.5803,2437689.3811,618.5470,DS-27
339,816204.3683,2437692.7831,613.6420,DS-28
340,815895.6183,2437691.7761,617.3580,DS-29
341,815825.4413,2437701.1101,611.4660,DS-30
342,815691.2823,2437763.7891,610.0050,SD-03andDS-31
343,815603.8043,2437787.9401,615.8410,DS-32
344,815544.6063,2437787.5151,611.7230,FBAG-TRENCH
345,815543.6343,2437787.7491,619.5330,TOP-PVC
346,816984.2033,2438436.3171,608.7870,SD-07
347,817265.7983,2438722.6951,620.3360,BOT-TRENCH
348,817289.2323,2438768.8721,630.2250,TOP-S.BANK
349,817096.7803,2439462.1451,636.2730,DPT-12
350,817251.0833,2439298.6261,636.9660,DPT-13
351,817161.5653,2439153.3261,638.1230,DPT-14
352,817285.9633,2439544.3791,634.2320,DPT-11
353,817200.3233,2439711.8431,634.6890,DPT-10
354,817022.6273,2439846.9501,635.5520,DPT-3
355,817300.1613,2439928.9681,634.7850,DPT-7
356,816889.8833,2438837.7381,635.9870,MON
357,816788.8603,2438853.9361,635.3500,MH
358,816689.6123,2438875.8161,635.0200,IPF
359,816912.1733,2440141.4421,635.3820,DPT-2
360,816754.0083,2440146.4381,628.7220,DPT-1
361,816991.9153,2440439.3591,634.8660,DPT-6
362,817235.8293,2440357.2811,635.1270,DPT-9

363,816889.8833,2438837.7381,635.9900,MON
364,816788.7133,2438853.8481,635.3900,ELMH
365,816689.5233,2438875.7881,635.0500,IPF
366,816188.6533,2438860.4681,627.8400,ELMH
367,816770.1233,2439395.1781,635.8600,GP2-GS
368,816770.6033,2439394.2681,638.9400,GP2-TOP/PVC
369,816667.0833,2439527.3681,635.3900,GP1-GS
370,816667.3433,2439527.2681,637.7300,GP1-TOP/PVC
371,816476.6633,2439547.5981,634.0300,GP508-GS
372,816476.8233,2439547.1081,636.0800,GP508-TOP/PVC
373,816497.0533,2439648.1781,634.4700,DET-MW11-GS
374,816496.9133,2439647.7681,636.8300,DET-MW11-TOP/PVC
375,816780.2433,2439940.9881,637.7500,MW9-GS(locked)
376,816679.8033,2439959.3181,637.4600,MW10-GS
377,816880.2133,2439959.6281,639.9500,MW10-TOP/STEEL
378,816423.4933,2439961.1881,633.3700,MW17S-GS
379,816423.7133,2439960.1081,635.7800,MW17S-TOP/STEEL
380,816420.4833,2439966.9781,633.7100,MW17D-GS
381,816420.2033,2439966.0581,635.1400,MW17-TOP/STEEL
382,816420.2533,2440258.2381,633.3500,GP503-GS
383,816419.2333,2440258.5481,635.1500,GP503-TOP/STEEL
384,816441.7533,2440371.8781,632.5400,MW18D-GS
385,816442.9833,2440371.5781,634.7800,MW18D-TOP/STEEL
386,816434.3733,2440374.0381,632.4900,MW18S-GS
387,816438.6033,2440374.8481,634.7900,MW18S-TOP/STEEL
388,816090.0633,2439912.8181,633.7100,IT-UNK2-GS
389,816089.8133,2439912.7881,636.7800,IT-UNK2-TOP/PVC
390,816990.4333,2439922.6881,633.1800,IT606-GS
391,815990.1233,2439922.3181,635.7300,IT606-TOP/PVC
392,816063.5833,2439986.5681,633.2000,IT601-TOP/PVC
393,816099.4733,2440077.2781,634.3100,IT602-TOP/PVC
394,816112.4133,2440203.5481,634.6100,IT603-TOP/PVC
395,816152.5233,2440202.7981,637.1000,IT604-TOP/PVC
396,816176.2833,2440378.5981,636.2200,IT605-TOP/PVC
397,816200.6933,2440382.6681,638.9400,IT606-TOP/PVC
398,816015.1633,2439796.3581,633.1700,IT607-TOP/PVC
399,816052.8633,2439719.8181,635.0600,IT608-TOP/PVC
400,816062.3633,2439605.6481,633.5500,IT609-TOP/PVC
401,816091.0533,2439528.4481,636.2900,IT610-TOP/PVC
402,816095.3433,2439403.9681,632.7000,IT611-TOP/PVC
403,816108.9133,2439345.2181,636.1500,IT612-TOP/PVC
404,816122.5433,2439209.8381,635.9100,IT612/3-TOP/PVC
405,816111.6533,2439203.3481,634.3900,IT613-TOP/PVC
406,816138.7333,2439001.9881,630.4500,IT614-TOP/PVC
407,816127.7033,2438919.4481,632.8900,IT615-TOP/PVC
408,816003.1733,2438978.8981,627.7200,MW1-TOP/PVC
409,816002.3933,2438978.4181,626.3700,MW1-GS
410,816368.5233,2439057.4481,631.8200,TRENCH-CO
411,816497.4233,2438971.1081,635.9600,MW2D-TOP/PVC
412,816498.4733,2438965.3881,635.9300,MW2S-TOP/PVC
413,816497.5633,2438967.8581,633.2800,GS
414,816832.3833,2439819.3181,638.8000,DP04-TOP/PVC
415,817157.8133,2438918.6081,632.9400,MW21-GS
416,817157.5533,2438918.0881,635.4600,MW21-TOP/PVC

APPENDIX F

SOUTH GROUNDWATER COLLECTION TRENCH CROSS SECTION (2006)





CROSS SECTION LOCATION MAP (1"=150')

AUGUST–SEPTEMBER 2006 INVESTIGATION
GEOLOGIC CROSS SECTION

0 50 100 200
HORIZONTAL SCALE IN FEET
VERICAL EXAGGERATION =20X

LEGEND

- TEMPORARY WELL (2-INCH)
- BORING

URS

Clay / Silty Clay **Silt** **Silty Sand / Sandy Silt** **Till** **Screen Interval**

NOTE: See Tables 2-1 and 2-2 for Soil & GW Sample Results details
Soil - µg/kg (samples from highest PID reading); GW - µg/L

PROJECT	DETREX CORPORATION	JOB NO.	13811443
SUBJECT	AUGUST–SEPTEMBER 2006 CROSS SECTION AND LOCATION MAP	DATE	9/28/2006
		DRAWN BY	MMS
SCALE	1"=100'	FIGURE	1