February 2011

Final Engineering Report
Former Dix Avenue Drive-In Theater
Town of Kingsbury
Washington County, New York
ERP Site No. B00151

Prepared for:

TOWN OF KINGSBURY
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Prepared by:

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C.T. Male Project No: 07.7412

CERTIFICATIONS

I, Jeffrey A. Marx, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Department approved April 2008 Remedial Design Work was implemented and that all construction activities were completed in substantial conformance with the Department-approved August 2009 Plans, Specifications and Bidding Documents.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Design and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established in for the remedy.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Jeffrey A. Marx, PE, of C.T. Male Associates, P.C., am certifying as Owner's Designated Site Representative for the site.

082100
NYS Professional Engineer #

FEB. 3, 2011
Date

Signature

FORMER DIX AVENUE DRIVE-IN THEATER ERP SITE
1189 DIX AVENUE, TOWN OF KINGSBURY, NEW YORK

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1.0 BACKGROUND AND SITE DESCRIPTION

The Town of Kingsbury entered into a State Assistance Contract (SAC) with the New York State Department of Environmental Conservation (NYSDEC) ON April 17, 2008 to investigate and remediate the southern portion of a 14.9-acre property located at 1189 Dix Avenue in the Town of Kingsbury, Washington County, New York. The property was remediated to residential use. Residential use allows the Site to be used for any use other than raising live stock or producing animal products for human consumption. This land use category will allow single family housing. There is no planned future use for the site at this time. The Town of Kingsbury anticipates selling the site in the future.

The site is located in the County of Washington, New York and is identified as Block 1 and Lot 3 on Washington County Tax Map # 146.14. The site is situated on an approximately 14.9-acre area bounded by vacant, wooded land to the north, Dix Avenue and a residential property to the south, and residential development to the east and west (see Figure 1). The boundaries of the site are fully described in Appendix A: Survey Map, Metes and Bounds.

An electronic copy of this FER with all supporting documentation is included as Appendix B.

2.0 SUMMARY OF SITE REMEDY

2.1 Remedial Action Objectives

The site remedy was developed pursuant to the March 2003 New York State Department of Environmental Conservation (NYSDEC) Record of Decision (ROD) and additional investigations conducted after issuance of the ROD to further refine the limits of the remedy. The following Remedial Action Objectives (RAOs) were identified for this site.

2.1.1 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

2.2 Description of Selected Remedy

The site was remediated in general accordance with the remedy selected by the NYSDEC in the ROD dated March 2003; which was generalized as "soil excavation". The elements of the selected remedy as summarized in the ROD included: 1) the collection of PCB surface soil samples during the design of the remedy to delineate the areas to be excavated; 2) excavation of the contaminated soils to a depth of 6 inches and disposal in accordance with NYSDEC regulations; 3) confirmatory soil sampling to verify that soil contaminated with PCB concentrations exceeding NYSDEC TAGM 4046 guidance values have been excavated; and 4) seed and mulch the excavated area to prevent erosion.

Pursuant to the elements of the ROD, additional remedial design investigations were conducted to further delineate the areas of the site requiring PCB contaminated soil excavation. The additional investigations consisted of the collection of surface and subsurface soil samples from April 2008 to August 2009 for analyses for PCBs. These sampling results were compared to Soil Cleanup Objectives (SCOs) promulgated in 6 NYCRR Part 375 for Restricted (Residential) Use sites as this document superceded the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 guidance values, issued January 24, 1994. The SCOs for the site was remediation of soils exhibiting PCB concentrations greater than 1 ppm. Results of the remedial design investigations revealed PCB levels above and below hazardous levels of 50 parts per million (ppm). Due to the presence of PCBs in soils at hazardous levels, a Self-Implementation Plan had to be prepared and submitted to the United States Environmental Protection Agency (USEPA) under the USEPA Toxic Substances Control Act (TSCA) pursuant to 40 CFR 761.61.

Documentation submitted to, and approved by, NYSDEC and USEPA in relation to additional remedial design investigations conducted in support of the ROD, the USEPA Self-Implementation Notification, and the Project Manual for the Remedial Action are listed below. These support documents are listed chronologically starting with investigative activities performed by NYSDEC in the site's ROD.

- NYSDEC Environmental Restoration Record of Decision (ROD), Former Dix Avenue Drive-In Theater Site (Site No. B-00151-5), dated March 2003.
- Remedial Design Work Plan-Former Dix Avenue Drive-In Theater, prepared by C.T. Male Associates, P.C., dated April 2008.
- Citizen Participation Plan, prepared by C.T. Male Associates, P.C., dated April 2008.
- Self-Implementing Notification to the EPA, prepared by C.T. Male Associates, P.C., dated March 18, 2009 and EPA response letter, dated July 21, 2009.
- Response to EPA's July 21, 2009 response letter prepared by C.T. Male Associates, P.C., dated August 3, 2009 and ensuing EPA response letter, dated August 31, 2009.

- Response to EPA's August 31, 2009 comments prepared by C.T. Male Associates, P.C., dated September 9, 2009 and EPA "Approval for Cleanup and Disposal of PCB Remediation Waste under 40 CFR 761.61(a), and Approval for Characterization and Verification Sampling under 40 CFR 761.61(c)", dated October 5, 2009.
- Plans, Specifications and Bidding Documents-Remedial Action for Former Dix Avenue Drive-In Theater, prepared by C.T. Male Associates, P.C., dated August 2009.
- Site Specific Health and Safety Plan, prepared by C.T. Male Associates, P.C., dated November 2009.

Based on the additional remedial design investigations conducted by C.T. Male after the ROD, the conditions of approval by the USEPA of the Self-Implementation Notification, and soil cleanup goals required by 6 NYCRR 375-1.8, the remedy for the site was amended to include the following:

- Excavation and off-site disposal of hazardous and non-hazardous PCB-impacted soils exceeding their restricted (residential) use SCOs of 1 ppm, and collection and analyses of confirmatory post-excavation end-point soil samples for PCBs.
- Asbestos abatement, demolition and off-site disposal of the Ticket Booth and Projection Booth/Snack Bar structures, and collection and analysis of a confirmatory soil sample beneath the Ticket Booth/Snack Bar Structure after its demolition to confirm that underlying soil does not exceed restricted (residential) SCOs of 1 ppm for PCBs.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

3.1 Interim Remedial Measures

The remedy for this site was performed as a single project; no interim remedial measures were performed, operable units created or separate construction contracts completed.

3.2 Operable Units

The entire property was considered a single operable unit even though the remedial work was localized only to a portion of the 14.9-acre site. The work was completed all as one project.

3.3 Remedial Contracts

There was one (1) remedial contract executed for implementation of the remedial action between the Town of Kingsbury and EQ Northeast, Inc. (EQ) of Wrentham, Massachusetts. EQ was contracted to clear and grub areas of the site prior to remediation; conduct asbestos abatement and demolition of the site structures; monitoring well abandonment; excavation and proper disposal of PCB impacted soil; and restoration of the site to original grades with imported backfill. The Town of Kingsbury, under Force Account, performed off-site disposal of C&D debris in the rear of the site; provided general fill and topsoil; applied grass seed to establish vegetation; and removed silt and construction fencing.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC approved Remedial Design Work Plan (RDWP) dated April 2008, and supplemental requirements imposed by USEPA. Deviations from the RDWP are noted below.

4.1 Governing Documents

The remedial work was performed in accordance with the Site Specific Health and Safety Plan, Quality Assurance Project Plan, Stormwater Pollution Prevention Plan, Community Air Monitoring Plan and Citizen Participation Plan. The use of these documents is described in the following sections.

4.1.1 Site Specific Health & Safety Plan (HASP)

Remedial work performed under this Remedial Action was in compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA. This was accomplished by requiring EQ to prepare and follow their own site specific Health and Safety Plan as reviewed and approved by Mr. Kevin F. Drinan, a Certified Industrial Hygienist. C.T. Male prepared and followed our own Site Specific Health and Safety Plan for the remedial work. The health and safety plans were generally complied with for all remedial and invasive work performed at the Site.

4.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix C of the RDWP approved by the NYSDEC. The QAPP described the specific policies, objectives, organization, functional activities and quality assurance/quality control activities designed to achieve the project data quality objectives. The QAPP was applicable to the collection and laboratory analysis of surface and subsurface samples for PCB content.

4.1.3 StormWater Pollution Prevention Plan (SWPPP)

The erosion and sediment controls for remedial construction were performed in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the site-specific StormWater Pollution Prevention Plan as prepared by C.T. Male Associates, P.C., dated March 25, 2009.

As part of the SWPPP, a Notice of Intent (NOI) was submitted to NYSDEC prior to starting site disturbance. However, since the project was a NYSDEC approved remediation project, the NYSDEC required that a partial NOI be submitted indicating the project location, owner, size. etc., for the purpose of the NYSDEC knowing that construction activities associated with a NYSDEC approved remediation project were occurring on the project site. Because the NOI was submitted to the NYSDEC for informational purposes only, the NYSDEC has indicated that the site owner (Town of Kingsbury) is not required to submit a completed Notice of Termination (NOT) after project completion.

4.1.4 Community Air Monitoring Plan (CAMP)

Electronic dust monitoring was conducted to measure airborne dust levels during ground intrusive activities as a mechanism for keeping dust levels below action levels (150 mg/m^3) during work. Three dust monitors (TSI DustTrack 8520 Particulate Monitors) were utilized and included one (1) designated dust monitor placed upwind of soil disturbance areas and two (2) designated dust monitors placed downwind of soil disturbance areas. The dust monitors were provided by Ashtead Technology Rentals, Inc. of Rochester, New York.

4.1.5 Citizen Participation Plan

A Citizen Participation Plan was prepared for the site, dated April 2008. Interested citizens identified in the Citizen Participation Plan were informed of milestone work activities at the site through issuance of Fact Sheets. The first Fact Sheet was issued to the public in May 2008 and described the soil sampling activities to be performed in support of the remedial design for the site and the availability of the Remedial Design Work Plan in the document repositories. The second Fact Sheet was issued to the public in October 2009 and summarized the impending Remedial Action for the site.

Per the NYSDEC Project Manager, no other Fact Sheets will be issued to the public.

4.2 Remedial Program Elements

4.2.1 Contractors and Consultants

The majority of the Remedial Action work was performed by EQ from November 9, 2008 to January 29, 2010, and June 2 and 3, 2010. C.T. Male Associates, P.C. (Engineer of Record) observed EQ's field work for compliance, conducted dust monitoring per the CAMP, and performed asbestos abatement project monitoring and collected/analyzed end-point soil samples.

Subcontractors utilized by EQ included Land Remediation, Inc. for earth moving equipment and support operators/laborers; LVI Environmental Services, Inc. for asbestos abatement and demolition of the Projection Booth/Snack Bar and Ticket Booth structures; Grout-Tech, Inc. for abandonment of the monitoring well; Catskill Fence Installations, Inc. for installation and staining of the wooden stockade fence; and Goulet Trucking, Inc. for transportation of hazardous and non-hazardous PCB soils to designated TSD facilities.

Tasks completed by EQ and its subcontractors in support of the general components of the Remedial Action included the following.

- Installed silt and construction fence prior to site disturbance.
- Installed construction/haul road, truck loading and equipment laydown areas using filter fabric and crusher run/stone.
- Constructed hazardous and non-hazardous PCB soil staging areas and removed them at project completion. The non-hazardous soil staging area was constructed atop in-situ hazardous PCB impacted soils on portions of the site to the south of the Projection Booth/Snack Bar structure. The stockpiled non-hazardous soils were separated from underlying hazardous PCB soils by placing two, 6-mil sheets of reinforced poly between the hazardous and staged soils. The hazardous soils staging area was constructed atop hazardous PCB impacted soils on southeastern portions of the site north of the Ticket Booth structure. The hazardous soil staging area was constructed in similar manner as

the non-hazardous soil staging area. In-situ PCB contaminated soils underlying the soil staging areas were excavated and disposed of upon removal of the staging area poly, which was disposed of off-site with the underlying hazardous soils.

- Cleared, grubbed and disposed of vegetation within the soil excavation areas. Clearing consisted of the removal of aboveground vegetation not in contact with PCB-impacted soils and off-site disposal of the vegetation by the Town of Kingsbury. Grubbed materials (i.e. tree stumps/roots and subground wood fencing) were disposed of off-site with the hazardous or non-hazardous PCB-impacted soils they were uncovered in.
- Dismantled and decontaminated chain-link fence around Projection Booth/Snack Bar structure and returned fence materials to Town of Kingsbury.
- Dismantled, disposed and replaced dilapidated wood stockade fence along eastern property boundary. Subground portions of the fence (i.e., fence posts) were disposed of off-site along with the hazardous and non-hazardous PCB-impacted soils they were uncovered in. Installed and stained new wood fence in its place.
- Abandoned an existing monitoring well by removing aboveground PVC well riser, steel protective enclosure and concrete pad, and tremi-grouting subground portion of well with a cement-bentonite mixture. Aboveground well riser, guard pipe and concrete pad disposed of off-site with surrounding non-hazardous PCB soils.
- Placed, graded and compacted general fill and topsoil in soil excavations to restore the site to original grade.
- Decontaminated construction equipment that came into contact with PCB impacted soils.

Force account work was undertaken by the Town of Kingsbury. The work included supply of general fill and topsoil for site restoration, established vegetation in the backfilled excavations via hydroseeding and other approved method, consolidated and disposed of C&D surface debris from the north of the site, and removed and disposed of construction and silt fencing. Additional force account work by the Town included providing, spreading and grading topsoil on southeast portions of the site after EQ demobilized from the site. The Town could not supply the balance of topsoil required while EQ was on site.

4.2.2 Site Preparation

Site preparation consisted of several tasks which were completed prior to initiation of the general components of the Remedial Action. The tasks are summarized below. EQ was responsible for coordinating utility mark-outs prior to arriving on site.

A pre-construction meeting was held with NYSDEC and representatives from EQ, C.T. Male and the Town of Kingsbury on October 28, 2009. The purpose of the meeting was to discuss project logistics and to provide a forum for discussion for any questions and/or concerns raised by the attendees for implementing the remedial work.

EQ mobilized to the site on November 9, 2009 and began construction of the haul road, and truck staging and equipment laydown areas. Subsequently, silt and construction fencing was installed along the perimeter of the soil excavation limits identified in the Contract Document drawings.

Clearing within the soil excavation areas took place from November 16 to 20, 2009. Clearing consisted of the removal of aboveground vegetation and dilapidated wood fencing not in contact with PCB-impacted soils and off-site disposal of these items by the Town of Kingsbury. Grubbed materials were disposed of off-site along with the PCB-impacted soils they were uncovered in.

Construction of the non-hazardous PCB soils staging area took place on November 23, 2010. The non-hazardous soil staging area was constructed atop in-situ hazardous PCB impacted soils to the south of the Projection Booth/Snack Bar structure. The staging area was separated from underlying soils by placement and maintenance of two, 6-mil sheets of reinforced poly. The soil excavation sequence involved the excavation and disposal of all non-hazardous PCB soils prior to excavation and disposal of hazardous PCB soils. The hazardous soil staging area was constructed on December 16, 2009 atop in-situ hazardous PCB impacted soils on southeastern portions of the site north of the Ticket Booth structure. The hazardous soil staging area was constructed in a manner similar to the construction of the non-hazardous soil staging area.

4.2.3 General Site Controls

Site controls were established during the Remedial Action to ensure that the work was completed in general accordance with Contract Documents. The controls utilized at the site are summarized below.

Soil excavation limit controls were established to ensure that EQ attained excavation limits identified in the Contract Documents. Vertical depths of the excavations were verified by a New York State Licensed Land Surveyor to obtain pre-excavation surface elevations on an approximate 25 to 50 foot grid across the areas requiring remediation prior to excavation and then obtaining final elevation data from the same surface grade elevation points after excavation. Horizontal control was also obtained by a New York State Licensed Land Surveyor to stake out the horizontal excavation limits prior to excavation and confirming the edge of excavations at post-soil removal. During excavation, EQ utilized intermediate field surveying techniques consisting of a stationary, tripod mounted laser that provided a benchmark elevation. A portable survey rod capable of receiving the laser was then placed in different areas of the excavation to determine if excavation depths had been attained. The horizontal limits of the excavation were extended to the ground stakes installed by the Licensed Land Surveyor.

Site security was established by erecting construction fencing around the perimeter of the soil excavation areas and by installation of asbestos barrier tape around the Projection Booth/Snack Bar and Ticket Booth structures prior to and during asbestos abatement and demolition. Additional security measures included securing EQ's job office trailer and storage containers when personnel were not on site, and removing and securing the ignition keys from heavy equipment when not in use.

Erosion and sediment controls consisted of installing and maintaining silt fencing around the soil excavation areas and adherence to erosion and sediment control provisions contained in the SWPPP. The silt fence was maintained until the vegetation became established.

Heavy equipment that came in contact with PCB-impacted soils included a track-mounted excavator, a tire-mounted excavator, a front-end loader, and a dump truck. The track-mounted excavator, front-end loader and dump truck were decontaminated employing dry methods due to severe cold temperatures when the equipment was ready for decontamination. Dry methods consisted of staging the equipment atop reinforced 6-mil poly outside of the

excavation areas and employing manual hand tools such as chipper hammers, steel brushes, shovels, rags, etc. to clean the equipment. The poly and removed soils generated during decontamination were disposed of off-site with the hazardous PCB soils. The tire-mounted excavator was decontaminated within the confines of a decontamination pad employing a high pressure water wash. The decontamination pad was constructed of reinforced 6-mil poly configured to simulate a bathtub effect. Waste water, waste poly and soil residue from the decontamination process were placed in 55-gallon drums and disposed of off-site. The tire-mounted excavator was decontaminated employing the above wet methods because all PCB-impacted soils had been excavated and transported off-site and wastes generated from dry decontamination of the tire-mounted excavator would not have been able to be disposed of with PCB-impacted soils.

4.2.4 Nuisance controls

There was no need to implement nuisance controls for the remedial work. There were no obvious odors created by disturbance of site soils. The level of dust generation was minimal because the remedial work took place in the late fall/early winter with frozen and snow covered ground conditions. A construction haul road and truck turn-around area was constructed on-site to mitigate off-site tracking of site soils and to eliminate the need for trucks to back out into traffic.

There was no odor or other project related complaints from the surrounding community during completion of remedial work with one (1) exception. There was one (1) complaint from an adjoining property. The site's east adjoining property owner Brian G. Vadnais (see Fig. 2 for property location) indicated that the chain-link fence separating his property from the subject site was damaged during soil excavation activities in the vicinity of the fence during the Remedial Action. Although the cause of the damage to the fence could not be determined, the Town of Kingsbury made the necessary fence repairs. The fence was repaired by Catskill Fence Installations, Inc., the subcontractor who installed the new wood stockade fence.

4.2.5 CAMP Results

The CAMP results are provided in electronic format in Appendix C. They are organized in the form of three data sets; one from each unit used and referenced to their serial numbers R5638, R7825 and R8356. Particulate monitors R5638 and R8356 were used as downwind stations. Particulate monitor R7825was used as an upwind station.

The CAMP results are provided in two formats. One format is the ".tkp" for viewing in the TrackPro software (Version 4.2.2.8 or newer) only which is used to download the information and also allows for easy graphing. The other format is ".txt" for viewing by most any user.

The following paragraphs describe problems encountered with using the electronic equipment:

On December 7, 2009, one of the designated downwind dust monitors (serial #R5534) ceased operating. To compensate, the second downwind dust monitor was repositioned to be more reflective of downwind conditions utilizing a single dust monitor. Consultation with Ashtead technical support concluded that the defective dust monitor could not be repaired in the field and would need to be returned to Ashtead to retrieve data stored in the unit to date. The inoperative dust monitor was shipped to Ashtead on December 7, 2009 and a replacement dust monitor was received on December 9, 2009 (serial #R8356). Ashtead technical support informed C.T. Male that data stored on the defective dust monitor from November 9 to December 7, 2009 could not be retrieved. Additional problems with the dust monitors included difficulty functioning due to weather conditions (snow, rain, fog, extreme cold, etc.) and spikes in dust readings on dust monitors with no visual evidence of dust generation.

4.2.6 Reporting

A full-time C.T. Male representative was assigned to the Remedial Action to observe the contractor's work for compliance with contract documents, to conduct dust monitoring as part of the CAMP, and collect/analyze end-point soil samples. Daily field logs were completed by C.T. Male detailing work activities, site visitors, weather conditions, sampling protocols and other pertinent observations. The status of the remedial action was communicated weekly via email to

the NYSDEC Project Manager and project milestones were communicated verbally to the Town of Kingsbury.

A representation of photographs taken by the C.T. Male field representative during the field work is presented Appendix D.

4.3 Contaminated Materials Removal

Contaminated materials at the site included hazardous and non-hazardous levels of PCB impacted soils, asbestos containing materials (ACMs) and remediation derived wastes. The horizontal and vertical extent of the excavated PCB-impacted soils is depicted in Figure 2. ACMs consisted of floor tile in the Ticket Booth structure, and roofing materials and cement board materials in the Projection Booth/Snack Bar structure. The former locations of the Ticket Booth and Projection Booth/Snack Bar structures are also depicted in Figure 2. The remediation derived wastes consisted of two, 55-gallon drums containing decontamination water, and four, 55-gallon drums containing personal protective equipment (PPE) and poly.

The site specific SCOs for remediation of hazardous and non-hazardous PCB-impacted soils are those promulgated in 6 NYCRR Part 375 for Restricted (Residential) Use sites. The remedial goal was for the remediation of all soils exhibiting PCB concentrations greater than 1 ppm.

4.3.1 PCB Impacted Soils

Hazardous and non-hazardous PCB-impacted soils were excavated and disposed of off-site at pre-approved TSD facilities. The soils were excavated horizontally and vertically to the limits established in the contract documents. Vertical depths of the excavations were verified by a New York State Licensed Land Surveyor to obtain pre-excavation surface elevations on an approximate 25 to 50 foot grid across the areas requiring remediation prior to excavation and then obtaining final elevation data from the same surface grade elevation points after excavation. Horizontal control was also obtained by a New York State Licensed Land Surveyor to stake out the horizontal excavation limits prior to excavation and confirming the edge of excavations at post-soil removal. The pre and post vertical elevation data is presented in Figure 2.

A total of 2,446.1 tons of hazardous (≥50 ppm PCBs) soils were excavated at vertical depths ranging from 6 to 16 inches beneath the ground surface (bgs) from areas shaded in red on Figure 2. The soils were temporarily staged on southeast sections of the site prior to being loaded into trucks and transported off-site. Additionally, one 55-gallon drum of hazardous PCB soils having an approximate weight of 401.24 pounds was disposed of off-site. The drum contained excess excavated soils that could not be transported off-site via truck due to their small volume. The bulk hazardous PCB soils were transported by Goulet Trucking, Inc. and Environmental Quality Northeast, Inc. to CWM Chemical Services, Inc. in Model City, New York. The 55-gallon drum containing hazardous PCB soils was transported by EQ Industrial Services, Inc. to Wayne Disposal, Inc.'s landfill in Belleville, Michigan. Disposal documentation (i.e. waste manifests and weight tickets) for bulk and drummed hazardous PCB soil is included in electronic format in Appendix E. Disposal facility waste characterization analytical results are presented in electronic format in Appendix F.

A total of 3,473.91 tons of non-hazardous (<50 ppm PCBs) soils were excavated at vertical depths ranging from 6 to 16 inches bgs from areas shaded in blue on Figure 2. The soils were temporarily staged on southern sections of the site prior to being loaded into trucks and transported off-site. The bulk non-hazardous PCB soils were transported by Goulet Trucking, Inc. to New England Waste Services of NY, Inc.'s Clinton County Landfill in Morissonville, New York. Disposal documentation for non-hazardous PCB soils is included in electronic format in Appendix E. Disposal facility waste characterization analytical results are presented in electronic format in Appendix F.

4.3.2 Asbestos Containing Materials

The Ticket Booth and Projection Booth/Snack Bar structures were disposed of in their entirety as friable asbestos debris due to ACMs being intermingled and inseparable from the building structure components. A total of 367.56 tons of intermingled friable asbestos debris and building components was transported by Page E.T.C., Inc. to the Ontario County Landfill in Stanley, New York. Disposal documentation for asbestos debris is included in electronic format in Appendix E.

4.3.3 Remediation Derived Wastes

Remediation derived wastes included two, 55-gallon drums containing equipment decontamination water and four, 55-gallon drums containing poly and PPE. The drums of decontamination water were transported by EQ to EQ Detroit, Inc. in Detroit, Michigan. The drums of poly and PPE were transported by EQ to Wayne Disposal, Inc.'s landfill in Belleville, Michigan. Disposal documentation for the remediation derived wastes is included in electronic format in Appendix E.

Analytical results of the equipment decontamination water waste characterization sample collected for the disposal facility is presented in Appendix F. A waste characterization sample was not collected of the poly/PPE. Instead, the poly/PPE was conservatively disposed of as a hazardous waste based on the analytical results of samples collected of the bulk hazardous and non-hazardous PCB soils.

4.4 Remedial Performance/Documentation Sampling

4.4.1 Purpose and Frequency

The purpose of the post-remediation sampling was to document the effectiveness of the soil removal activities and to confirm the quality of soils beneath the Projection Booth/Snack Bar structure. The post-remediation samples were collected and analyzed from 29 locations, as depicted on Figure 2. Twenty-eight (28) soil samples (Post Exc-1 to Post Exc-28) were collected from the bottoms of the soil excavations. One soil sample (Proj Booth-1) was collected beneath the Projection Booth/Snack Bar structure upon its demolition. The post-remediation samples were analyzed for PCBs via EPA Method 8082 by Chemtech Laboratories of Mountainside, New Jersey. As a note, 473 soil samples were collected for PCB analysis from 231 sampling locations as part of the remedial design.

4.4.2 Soil Sample Analytical Results

The analytical results for the 28 confirmatory post-excavation end point soil samples and one (1) soil sample collected beneath the Projection Booth/Snack Bar structure are presented in

Table 4.4: Post Soil Excavation and Projection Booth Demolition Confirmatory Sampling Results.

As shown in Table 4.4, PCB levels in soils were at non-detect levels, signifying adequate excavation of PCB-impacted soils and confirming the soils beneath the Projection Booth/Snack Bar structure were not impacted by PCBs.

4.4.3 Data Usability

The analytical results for the post-remediation sampling were subjected to data validation in accordance with NYSDEC Guidance for the development of a Data Usability Summary Report (DUSR).

A Data Usability Summary Report (DUSR) was prepared for all data generated during the remedial work. The narrative portion of the DUSR is included in Appendix G. The DUSR indicates that the overall data quality objectives were met, as there were no data deficiencies that would indicate the need for resampling. None of the analytical data was rejected.

Low level PCBs were detected in the equipment blank collected in tandem with post excavation samples Post Exc-1 to Post Exc-6. As a result, these samples exhibited low level PCBs. Because PCBs were detected in the equipment blank, the data validator amended the qualifiers for samples Post Exc-1 to Post Exc-6 to reflect PCB concentrations at non-detect levels. Based on the low level PCBs detected in the equipment blank, soil sampling procedures employed subsequently were modified. The procedure for collection of post excavation samples Post Exc-1 to Post Exc-6 was the manual advancement of shovel pits and collection of samples from the sidewalls of the shovel pits employing laboratory provided sampling jars. The shovel used to advance the pit was decontaminated at the beginning of sampling and between each sampling location employing tap water with a non-phosphate (Alconox) detergent and tap water rinse. To avoid any further cross-contamination of lab soil samples, surface soils on the excavation sidewalls were first removed by donning new, nitrile gloves prior to collection of the soil samples in laboratory provided containers. This amended sampling procedure was successful as residual PCB contaminants were at non-detect levels in the second equipment blank sample.

4.5 Imported Backfill

4.5.1 Site Restoration

Site restoration consisted of the placement of general fill and topsoil to backfill portions of the site that were excavated of PCB-impacted soils and beneath the Projection Booth/Snack Bar structure upon its demolition. A total of 3,063 yards of general fill and 1,200 yards of topsoil were supplied by the Town of Kingsbury under force account work. Additionally, 625 tons of crusher run and #2 stone were brought on site by Peckham Materials Corporation of Hudson Falls, New York and utilized by EQ for construction of the haul road, and truck loading and equipment laydown areas.

Topsoil was placed on top of general fill used to backfill soil excavations except for a localized area on southeastern portions of the site where the 1,200 cubic yards of topsoil delivered to the site by the Town was insufficient. The Town could not fabricate additional topsoil due to prevailing winter conditions. The Town of Kingsbury reworked surrounding topsoil and provided, placed and graded an additional 391 yards of topsoil in April 2010 to return this area to original grade prior to hydroseeding. Additionally, the Town furnished an additional 13 yards of topsoil for use by EQ in June 2010 to repair areas along the eastern property boundary where topsoil had settled and was below surrounding grades.

In spring and summer 2010, the Town of Kingsbury applied grass seed to the backfilled excavated areas for the establishment of vegetation.

4.5.2 General Fill

The general fill was obtained from the Town of Kingsbury's virgin sand pit located on Tripoli Road in the Town of Fort Ann, New York. A representative composite sample of the general fill was collected by C.T. Male on March 31, 2009 and shipped to Chemtech Laboratories for analysis for Target Compound List (TCL) VOCs, SVOCs, Pesticides and PCBs, and Target Analyte List (TAL) Metals and Cyanide. The analytical results showed all of the analyzed compounds and analytes to be at concentrations below soil cleanup objectives (SCOs) for Unrestricted Use Sites promulgated in 6 NYCRR Part 375. The full analytical results are presented in Appendix H.

4.5.3 Topsoil

Topsoil was soil which was placed on top of general fill. The topsoil was an organic rich soil used to make final grades and aid in the establishment of vegetation. Topsoil used at the surface of the site was supplied by the Town of Kingsbury and consisted of three (3) parts of general fill from their virgin source in Fort Ann, New York and one part compost manufactured at the Washington County Regional Biosolids Composting facility in Fort Edward, New York. A representative composite sample was collected from each representative 500-yard batch of topsoil by C.T. Male on March 31 and October 13, 2009 and shipped to Chemtech Laboratories for analysis for TCL VOCs, SVOCs, Pesticides and PCBs, and TAL Metals and Cyanide. The analytical results showed that the analyzed compounds and analytes were at concentrations below soil cleanup objectives (SCOs) for Unrestricted Use Sites promulgated in 6 NYCRR Part 375. The full analytical results are presented in Appendix H.

4.5.4 Crusher Run

Crusher run and #2 stone were used by EQ for installing the construction haul road, and the truck loading and equipment laydown areas. The crusher run and #2 stone were obtained from the Peckham Materials Corporation (Peckham) virgin source located on Vaughn Road in Hudson Falls, New York. A representative composite sample of the crusher run and #2 stone was collected by an EQ representative on October 30, 2009 and delivered to TestAmerica for analysis for TCL VOCs, SVOCs, Pesticides and PCBs, and TAL Metals and Cyanide. The analytical results showed that the analyzed compounds and analytes were at concentrations below soil cleanup objectives (SCOs) for Unrestricted Use Sites promulgated in 6 NYCRR Part 375. However, review of the analytical data showed that the VOC and SVOC analytical data were unusable because the samples registered a temperature of 18.6 degrees Celsius when received by the laboratory (above the required 4 to 6 degrees Celsius). The pesticides, PCB and metals analytical results were deemed usable as these do not have the same temperature requirements. Subsequently, a second sample of the crusher run and #2 stone was collected from Peckham's by C.T. Male on November 9, 2009 under EQ's observation and forwarded to Phoenix Environmental Laboratories, Inc. for analysis for TCL VOCs and SVOCs. The analytical results showed that the analyzed compounds and analytes were at concentrations

below soil cleanup objectives (SCOs) for Unrestricted Use Sites promulgated in 6 NYCRR Part 375. The full analytical results for both sampling events are presented in Appendix H.

4.6 Contamination Remaining at the Site

The contamination remaining at the site consists of PCBs at residual levels generally less than 0.76 ppm. The source area of PCBs (i.e. former drive-in portion) was removed by the remedial action, and therefore no source areas of contamination remains. The concentrations of remaining PCB contamination, as determined by soil samples collected to date, are shown on Figure 3.

4.7 Institutional Controls

Institutional controls, Environmental Easement and Site Management Plan are not required for the Site as directed by NYSDEC.

4.8 Deviations from the Remedial Action Work Plan

Deviations to the scope of work identified in the approved design documents were documented through issuing change orders and a contract time extension. Three change orders and one no cost contract time extension were issued and approved, as described in the following paragraphs.

Change Order 001 was issued on December 28, 2009 and approved by the Town of Kingsbury on March 2, 2010. The change order was for EQ to provide an additional 275 linear feet of six foot high wooden stockade fencing in addition to the 410 linear feet of fencing specified as Add Alternate No. 3 in the contract documents. The necessity for the change was because the original 410 feet of wooden fence along the eastern property boundary did not extend far enough to the south to serve as a visual and physical barrier between the site and the adjoining Ralph G. Kibling property as previously existed. The additional fencing was not accounted for in the contract documents as remnant dilapidated fencing was not observed on this portion of the site during the remedial design.

Change Order 002 was issued on January 25, 2010 and approved by the Town of Kingsbury on January 27, 2010. The change order was for EQ to provide an additional 100

linear feet of six foot high wooden stockade fencing in addition to the 410 linear feet of fencing specified as Add Alternate No. 3 in the contract documents and the additional 275 feet of fencing specified in Change Order 001. The change was requested by the Town of Kingsbury to extend the fencing an additional 100 feet beyond the northern contract limits to serve as a visual barrier between the site and the adjoining property in this area.

Change Order 003 was issued on January 25, 2010 and approved by the Town of Kingsbury on January 27, 2010. The change order was for the excavation and off-site disposal of an additional 306.1 tons of hazardous PCB soils in addition to the 2,140 tons specified in the contract documents. The reason for the change is that the estimated quantity of hazardous PCB contaminated soils was not revised at the time of bidding when the vertical depth in portions of the site were revised and increased as part of Addendum No. 1. The revised estimated volume of soils would have been on the order of 2,314 tons. The reason for the slight exceedence over the revised volume of 2,314 tons is attributed to frost levels in soils being deeper than what was required to be excavated, thus excavating out beyond the six inch target depth.

A Contract Time Extension request (dated December 18, 2009) was received from EQ for a 21 day extension. EQ stated the inclement weather, holiday shutdowns by the disposal facilities, and asbestos debris disposal issues had caused them delay. Based on these factors and a revised schedule from EQ, the contract was extended 16 days to January 27, 2010 for Final Completion.

4.9 Actual Contract Costs

4.9.1 Remedial Contract with EQ Northeast, Inc.

The original bid for the contracted portion of the Remedial Action completed by EQ was $700,325 which included the Base Bid ($684,405.00) plus Add Alternate No. 3 ($4,920.00) and Add Alternate No. 5 ($11,000.00). There were three change orders to the contract and a reduction in total contract price resulting from a variation in the actual quantities of unit cost pay items, as summarized below.

Change Orders

- Change Order 001: $6,325 For Installation of 275 Feet of Wooden Stockade Fencing.

- Change Order 002: $2,300 For Installation of 100 Feet of Wooden Stockade Fencing.
- Change Order 003: $46,373.68 For Transportation and Disposal of 306.1 Tons of Hazardous PCB Soils.

Adjustment of Unit Cost Pay Items

- Reduction in Pay Item No. 6 by $10,212.31: For transportation and disposal of 173.09 tons of non-hazardous PCB soil less than the estimated quantity of 3,647 Tons.
- Reduction in Pay Item No. 9 by $3,000: For not needing to excavate and stockpile PCB soil beyond prescribed contract limits.
- Reduction in Pay Item No. 10 by $1,500: For collecting and analyzing one (1) less waste characterization soil sample for non-hazardous soil than the estimated quantity of four (4) samples.
- Reduction in Pay Item No. 17 by $1,200: For generating one (1) less drum of waste decontamination fluids than the estimated quantity of four (4) drums.

The actual cost of the Remedial Action contract was $739,411.37.

4.9.2 Force Account by Town of Kingsbury

Force Account work was conducted by the Town of Kingsbury consisting of those add alternates included in the Remedial Action Contract Documents not performed by EQ Northeast, Inc., and other work not included in Contract Documents but an integral part of the overall remedial action and therefore approved by the Department, as summarized below.

Town Force Account Work in Contract Documents

- Add Alternate No. 1: $643.60 to load, transport and dispose of C&D pile at a permitted facility.
- Add Alternate No. 2: $1,208.11 to establish vegetation via hydroseeding or other approved method.
- Add Alternate No. 4: $1,404.50 to dispose of orange construction and silt fencing.

Approved Town Force Account Work Not in Contract Documents

- $29,052.00 for supply and delivery of 1,614 yards of topsoil for excavation backfill at $18.00 per yard and $1,200.00 to place, spread and grade topsoil over southeast portions of the site not topsoiled by EQ during the winter months due to a lack of available topsoil.
- $24,810.30 for supply and delivery of 3,063 yards of general fill for excavation backfill at $8.10 per yard.

The total cost of the Force Account work performed by the Town of Kingsbury was $57,118.51.

TABLE 4.4
Post Soil Excavation and Projection Booth Demolition Confirmatory Sampling Results

TABLE 4.4: Post Soil Excavation and Projection Booth Demolition Confirmatory Sampling Results
Former Dix Avenue Drive-In Remedial Action
(Validated Data)
ERP Site No. B001515
CTM Proj. No. 07.7412

PARAMETER	Part 375 Residential Use SCOs[1] (mg/kg)	POST EXC-1 (0-6") mg/kg		DUPLICATE (Post Exc-1) mg/kg		POST EXC-2 (0-6") mg/kg		POST EXC-3 (0-6") mg/kg		POST EXC-4 (0-6") mg/kg		POST EXC-5 (0-6") mg/kg		POST EXC-6 (0-6") mg/kg		POST EXC-7 (0-6") mg/kg		POST EXC-8 (0-6") mg/kg		POST EXC-9 (0-6") mg/kg		POST EXC-10 (0-6") mg/kg	
		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor-1016	1	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.004	U	0.004	U	0.004	U	0.02	U
Aroclor-1221	1	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.0048	U	0.0049	U	0.0049	U	0.02	U
Aroclor-1232	1	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.0051	U	0.0052	U	0.0051	U	0.02	U
Aroclor-1242	1	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.0022	U	0.0023	U	0.0023	U	0.02	U
Aroclor-1248	1	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.0049	U	0.005	U	0.0049	U	0.02	U
Aroclor-1254	1	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.018	U	0.018	U	0.005	U	0.0051	U	0.005	U	0.02	U
Aroclor-1260	1	0.018	(U)	0.015	(U)	0.0093	(U)	0.011	(U)	0.019	(U)	0.01	(U)	0.011	(U)	0.004	U	0.004	U	0.004	U	0.02	U

PARAMETER	Part 375 Residential Use SCOs[1] (mg/kg)	POST EXC-11 (0-6") mg/kg		POST EXC-12 (0-6") mg/kg		POST EXC-13 (0-6") mg/kg		POST EXC-14 (0-6") mg/kg		POST EXC-15 (0-6") mg/kg		POST EXC-16 (0-6") mg/kg		POST EXC-17 (0-6") mg/kg		POST EXC-18 (0-6") mg/kg		POST EXC-19 (0-6") mg/kg		POST EXC-20 (0-6") mg/kg		POST EXC-21 (0-6") mg/kg	
		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor-1016	1	0.019	U	0.02	U	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.019	U	0.02	U	0.02	U	0.018	U
Aroclor-1221	1	0.019	U	0.02	U	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.019	U	0.02	U	0.02	U	0.018	U
Aroclor-1232	1	0.019	U	0.02	U	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.019	U	0.02	U	0.02	U	0.018	U
Aroclor-1242	1	0.019	U	0.02	U	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.019	U	0.02	U	0.02	U	0.018	U
Aroclor-1248	1	0.019	U	0.02	U	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.019	U	0.02	U	0.02	U	0.018	U
Aroclor-1254	1	0.019	U	0.02	U	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.019	U	0.02	U	0.02	U	0.018	U
Aroclor-1260	1	0.019	U	0.02	U	0.018	U	0.018	U	0.019	U	0.018	U	0.018	U	0.019	U	0.02	U	0.02	U	0.018	U

PARAMETER	Part 375 Residential Use SCOs[1] (mg/kg)	POST EXC-22 (0-6") mg/kg		POST EXC-23 (0-6") mg/kg		POST EXC-24 (0-6") mg/kg		PROJ. BOOTH-1 mg/kg		POST EXC-25 (0-6") mg/kg		POST EXC-26(0-6") mg/kg		POST EXC-27 (0-6") mg/kg		DUPLICATE (Post Exc-27) mg/kg		POST EXC-28 (0-6") mg/kg		EQUIPMENT BLANK-1 ug/l		EQUIPMENT BLANK-2 ug/l	
		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor-1016	1	0.018	U	0.018	U	0.019	U	0.018	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.52	U	0.52	U
Aroclor-1221	1	0.018	U	0.018	U	0.019	U	0.018	U	0.0049	U	0.0049	U	0.0048	U	0.0048	U	0.0048	U	0.52	U	0.52	U
Aroclor-1232	1	0.018	U	0.018	U	0.019	U	0.018	U	0.0052	U	0.0052	U	0.0051	U	0.0051	U	0.0051	U	0.52	U	0.52	U
Aroclor-1242	1	0.018	U	0.018	U	0.019	U	0.018	U	0.0023	U	0.0023	U	0.0022	U	0.0022	U	0.0022	U	0.52	U	0.52	U
Aroclor-1248	1	0.018	U	0.018	U	0.019	U	0.018	U	0.005	U	0.005	U	0.0049	U	0.0049	U	0.0049	U	0.52	U	0.52	U
Aroclor-1254	1	0.018	U	0.018	U	0.019	U	0.018	U	0.0051	U	0.005	U	0.0049	U	0.005	U	0.005	U	0.52	U	0.52	U
Aroclor-1260	1	0.018	U	0.018	U	0.019	U	0.018	U	0.004	U	0.004	U	0.0039	U	0.004	U	0.0039	U	0.2	J	0.52	U

Notes:

(1) NYSDEC 6 NYCRR PART 375 Environmental Remediation Programs, Subpart 375-6, Dated December 14, 2006

Concentrations denoted in mg/kg or parts per million (ppm)

U indicates that the compound was analyzed but not detected

J indicates and estimated value

Qualifiers in paramthesis denotes qualifications made by the data validator

FIGURE 1
Site Location Map

MAP REFERENCE
United State Geological Survey
7.5 Minute Series Topographic Map
Quadrangle: Hudson Falls, NY
Date: 1966

ENGINEERING
ENVIRONMENTAL SERVICES
SURVEYING
PHONE (518)786-7400
FAX (518) 786-7299

C.T.MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, PO BOX 727, LATHAM, NY 12110

FIGURE 1 - SITE LOCATION MAP

Former Dix Avenue Drive-In Theater Site

TOWN OF KINGSBURY	WASHINGTON COUNTY, NY
SCALE: 1"=2,000'	
DRAFTER: SHB	
PROJECT No. 07.7412	

FIGURE 2
Remedial Action Pre and Post Excavation Elevation Survey and Sampling Locations Map

XREFS: XREFLIST

PROJECT NUMBER: 07.7412

CAD DWG. FILE NAME: FIGURE_2-EXCA-ELEV.dwg

Lands Now or Formerly of
KINGSWOOD VILLAGE, LLC.
Book 1980 Page 250
Tax Map I.D. No. 146.14-1-1.1

Lands Now or Formerly of
TOWN OF KINGSBURY
Book 703 Page 246
Tax Map I.D. No. 146.14-1-3
AREA=650136.30± SQ. FT OR 14.93± ACRES

Lands Now or Formerly of
LAWRENCE J. MOAK & ILENE H. MOAK
Book 409 Page 806
Tax Map I.D. No. 146.14-1-4

Lands Now or Formerly of
BRIAN G. VADNAIS
Book 746 Page 237
Tax Map I.D. No. 146.14-1-43

Lands Now or Formerly of
RALPH G. KIBLING
Book 459 Page 493
Tax Map I.D. No. 146.14-1-61

Lands Now or Formerly of
PETER W. SUTHERLAND & NANCY L. SUTHERLAND
Book 757 Page 47
Tax Map I.D. No. 146.14-1-2

Lands Now or Formerly of
TOWN OF KINGSBURY
Book 922 Page 341
Tax Map I.D. No. 146.14-1-62

TO 92 PLPT

ACCESS WAY TO DEBRIS PILE IN WOODS

CONTRACT LIMIT LINE

APPROXIMATE LIMITS OF EXCAVATION (TYP.)

POST EXC-1
POST EXC-2
POST EXC-3
POST EXC-4
POST EXC-5
POST EXC-6
POST EXC-7
POST EXC-8
POST EXC-9
POST EXC-10
POST EXC-11
POST EXC-12
POST EXC-13
POST EXC-14
POST EXC-15
POST EXC-16
POST EXC-17
POST EXC-18
POST EXC-19
POST EXC-20
POST EXC-21
POST EXC-22
POST EXC-23
POST EXC-24
POST EXC-25
POST EXC-26
POST EXC-27
POST EXC-28

DEMOLISHED PROJECTION BOOTH/ SNACK BAR STRUCTURE FOOT PRINT

PROJ BOOTH-1

TRUCK STAGING AND EQUIPMENT LAYDOWN AREA

FOOTPRINT OF TOWN PROVIDED FILL STAGING AREA

HAUL ROAD BUILT FOR CONSTRUCTION TRAFFIC DURING THE REMEDIAL ACTION

ABANDONED MONITORING WELL

DEMOLISHED TICKET BOOTH STRUCTURE

ROAD REMAINS

BENCHMARK SET RAIL ROAD SPIKE FOUND IN UP 98 ELEVATION=200.18

DIX AVENUE
3 ROD R.O.W. (49.5')

N02°19'30"E 661.94'
N01°59'50"E 1230.18'
S01°22'30"E 1278.97'
S01°00'00"E 550.03'
N83°30'00"W 180.00'
S01°34'30"W 180.26'
N01°34'30"E 180.26'
N83°30'00"W 193.00'
N83°30'00"W 50.00'

LEGEND:

AREA REQUIRING SOIL REMOVAL WHERE PCB'S WERE DETECTED IN THE SOIL SAMPLES ANALYZED AT CONCENTRATIONS LESS THAN 50 PARTS PER MILLION. SOILS TO BE EXCAVATED A VERTICAL DEPTH OF 6" BELOW GROUND SURFACE UNLESS OTHERWISE INDICATED WITH HATCHING.

AREA REQUIRING SOIL REMOVAL WHERE PCB'S WERE DETECTED IN THE SOIL SAMPLES ANALYZED AT CONCENTRATIONS GREATER THAN OR EQUAL TO 50 PARTS PER MILLION. SOILS TO BE EXCAVATED A VERTICAL DEPTH OF 6" BELOW GROUND SURFACE UNLESS OTHERWISE INDICATED WITH HATCHING.

AREA REQUIRING SOIL REMOVAL TO EXTEND TO A VERTICAL DEPTH OF 9" BELOW GROUND SURFACE

AREA REQUIRIING SOIL REMOVAL TO EXTEND TO A VERTICAL DEPTH OF 12" BELOW GROUND SURFACE

AREA REQUIRING SOIL REMOVAL TO EXTEND TO A VERTICAL DEPTH OF 16" BELOW GROUND SURFACE

POST EXC-1 ⊗ POST-EXCAVATION END-POINT SAMPLING LOCATION.

PROJ BOOTH-1 ⊗ CONFIRMATORY SOIL SAMPLE COLLECTED AFTER DEMOLITION OF THE PROJECTION BOOTH/SNACK BAR STRUCTURE.

208 + 199.17 198.08 SURVEY COORDINATE DEPICTING EXISTING SURFACE ELEVATION (I.E. 199.17 IN BLUE) PRIOR TO THE REMEDIAL ACTION AND EXCAVATION BOTTOM ELEVATION (I.E. 198.08 IN BLACK) UPON COMPLETION OF SOIL EXCAVATION.

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

FIGURE 2 :
REMEDIAL ACTION PRE & POST EXCAVATION ELEVATION SURVEY & SAMPLING LOCATIONS MAP
FORMER DIX AVENUE DRIVE-IN THEATER
1177 & 1189 DIX AVENUE

TOWN OF KINGSBURY — WASHINGTON COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 • FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING • CIVIL ENGINEERING
ENVIRONMENTAL SERVICES • SURVEY & LAND INFORMATION SERVICES

JEFFREY A. MARX P.E.
N.Y.S. 082100

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			

SHEET 1 OF 1
DWG. NO: 10-0482

DRAFTED : MMB
CHECKED : SHB
PROJ. NO: 07.7412
SCALE : 1"=30'
DATE : JULY 6, 2010

FIGURE 3

Soil Samples Above 6 NYCRR Part 375 Unrestricted Use SCOs

XREFS: XREFLIST

PROJECT NUMBER: 07.7412

MATCH LINE SHEET 2

SEE FIGURE 3B

MATCH LINE SHEET 2

CAD DWG. FILE NAME: FIGURE_3-NYCRR.dwg

Lands Now or Formerly of
KINGSWOOD VILLAGE, LLC.
Book 1980 Page 250
Tax Map I.D. No. 146.14-1-1.1

Lands Now or Formerly of
TOWN OF KINGSBURY
Book 703 Page 246
Tax Map I.D. No. 146.14-1-3

AREA=650136.30± SQ. FT OR 14.93± ACRES

Lands Now or Formerly of
LAWRENCE J. MOAK & ILENE H. MOAK
Book 409 Page 806
Tax Map I.D. No. 146.14-1-4

Lands Now or Formerly of
BRIAN G. VADNAIS
Book 746 Page 237
Tax Map I.D. No. 146.14-1-43

Lands Now or Formerly of
RALPH G. KIBLING
Book 459 Page 493
Tax Map I.D. No. 146.14-1-61

Lands Now or Formerly of
PETER W. SUTHERLAND & NANCY L. SUTHERLAND
Book 757 Page 47
Tax Map I.D. No. 146.14-1-2

Lands Now or Formerly of
TOWN OF KINGSBURY
Book 922 Page 341
Tax Map I.D. No. 146.14-1-62

DIX AVENUE
3 ROD R.O.W. (49.5')

SS-95	0-6 | 0.16
SS-98	0-6 | 0.65; 6-9 | 0.77
SS-100	0-6 | 0.24
SS-72	6-9 | 0.19
SS-62	9-12 | 0.36
SS-63	6-9 | 0.43
SS-56	6-9 | 0.18
SS-58	6-9 | 0.15
SS-53	6-9 | 0.26
SS-67	6-9 | 0.25
SS-68	0-6 | 0.56
SS-131	12-16 | 0.4
SS-49	0-6 | 0.6
SS-47	6-9 | 0.49
SS-218	0-6 | 0.27
SS-217	6-9 | 0.19; 9-12 | 0.39
SS-41	0-6 | 0.12
SS-37	6-9 | 0.102
SS-38	6-9 | 0.192
SS-39	6-9 | 0.25
SS-16	6-9 | 0.15
SS-35	6-9 | 0.14
SS-34	6-9 | 0.76
SS-33	6-9 | 0.48
SS-25	9-12 | 0.46
SS-219	9-12 | 0.22
SS-220	9-12 | 0.22
SS-227	9-12 | 0.43
SS-12	6-9 | 0.12
SS-20	0-6 | 0.12; 6-9 | 0.2
SS-106	0-6 | 0.11

(NOT SAMPLED) SS-218; (NOT SAMPLED) SS-217

MAP NOTES:

1. The Limits of Soil Excavation were delineated based on Analytical Results of Remedial Design Soil Sampling conducted from April to October, 2008.
2. Excavate to a depth of 6" bgs with the exception of hatched areas. See Map Legend for excavation depths within hatched areas.
3. Contractor is responsible for the demolition and off-site disposal of the Projection Booth/Snack Bar structure, the Ticket Booth structure, and the wooden stockade fencing along the site's east property line.
4. Contractor is responsible for the abandonment of the monitoring well located on the eastern portion of the site.

MAP REFERENCES:

1. "Boundary and Topographic Survey Lands Now or Formerly of Town of Kingsbury 1177 & 1189 Dix Avenue" Town of Kingsbury, Washington County, New York prepared by C.T. Male Associates, P.C. dated December 13, 2007. Dwg No. 08-141.

LEGEND:

- CBS — Catch Basin Square
- CIRF — Capped Iron Rod Found
- FPOST — Fence Post
- GPOST — Gate Post
- Guy Wire
- IPF — Iron Pipe Found
- IPIN — Iron Pin
- MPOST — Metal Fence Post
- RRS — Rail Road Spike
- TPED — Telephone Pedestal
- TELEPOST — Telephone Post
- UP — Utility Pole
- G — Underground Gas Line
- YCIRF — Yellow Capped Iron Rod Found
- MW — Monitoring Well Installed By Others

SS-12 | 6-9 | 0.12 — Table corresponding to sampling location, sampling depth (i.e., 6-9) in inches below the ground surface, and PCB concentration (i.e., 0.12) expressed in parts per million for remaining soil samples above 6 NYCRR Part 375 Unrestricted USE SCOs of 0.1 parts per million.

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

FIGURE 3 :
SOIL SAMPLES ABOVE NYCRR PART 375 UNRESTRICTED USE SCOs
FORMER DIX AVENUE DRIVE-IN THEATER
1177 & 1189 DIX AVENUE

TOWN OF KINGSBURY — WASHINGTON COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 • FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING • CIVIL ENGINEERING
ENVIRONMENTAL SERVICES • SURVEY & LAND INFORMATION SERVICES

SHEET 1 OF 2
DWG. NO: 10-0483

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			

APPROVED
DRAFTED : MMB
CHECKED : SHB
PROJ. NO: 07.7412
SCALE : 1"=30'
DATE : JULY 6, 2010

APPENDIX A
Survey Map, Metes and Bounds

BAR SCALE

30 0 15 30 60

1 inch = 30 ft.

MAP NOTES:

1. Boundary and topographic information shown hereon was compiled from an actual field survey conducted during the month of December, 2007.
2. North orientation and bearing base per map reference no. 4.
3. Vertical datum taken from storm sewer frames as shown on map reference no. 3. Datum unknown
4. Prior to conducting this survey this geographic area accumulated approximately 8 inches of packed snow and ice. Therefore the undersigned cannot certify that some object or feature has been omitted or that there may be elevation error due to the depth of snow.
5. Underground facilities, structures, and utilities have been plotted from data obtained from previous maps and record drawings. Surface features such as catch basin rims, manhole covers, water valves, gas valves, etc. are the result of field survey unless noted otherwise. There may be other underground utilities, the existence of which is not known to the undersigned. Size and location of all underground utilities and structures must be verified by the appropriate authorities. Dig Safely New York must be notified prior to conducting test borings, excavation and construction.
6. This survey was prepared without the benefit of an up to date abstract of title or title report and is therefore subject to any easements, covenants, restrictions or any statement of fact that such documents may disclose.
7. Contour lines shown are at one half foot intervals.

MAP REFERENCES:

1. "Map of Lands of Lester K. Lapan, Jr., Edward E. Lapan & Wallace A. Lapan". prepared by Coulter & Mccormack dated May 18, 1989 revised June 30, 1995 and filed in the Washington County Clerk's Office as map 31b-172.
2. "Map of a Subdivision made for Angelo Catalfamo". prepared by Vandusen & Steves, dated April 3, 1992 revised May 21, 1992 and filed in the Washington County Clerk's Office as map 31b-125.
3. "Map of a Subdivision made for Kingswood Village, LLC". prepared by Van Dusen & Steves. dated November 1, 2004 revised July 26, 2005 and filed in the Washington County Clerk's Office as map 31c-91.
4. "Map of Lands To Be Conveyed By The Town of Kingsbury to Timothy M. Havens", prepared by Coulter & Mccormack. dated May 24, 1995.

Legend:

CBS □	Catch Basin Square
CIRF o	Capped Iron Rod Found
FPOST o	Fence Post
GPOST o	Gate Post
⌃	Guy Wire
IPF o	Iron Pipe Found
IPIN o	Iron Pin
MW ◐	Monitoring Well
MPOST o	Metal Fence Post
RRS o	Rail Road Spike
TPED □	Telephone Pedestal
TELEPOST o	Telephone Post
UP ø	Utility Pole
—— G ——	Gas Line Markout
YCIRF o	Yellow Capped Iron Rod Found

JAMES F. COOK
PLS NO. 49260

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1				
	2				
	3				
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UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

APPROVED: WJN
DRAFTED : SMW
CHECKED : JFC
PROJ. NO: 07.7412
SCALE : 1"=30'
DATE : DEC. 13, 2007

BOUNDARY AND TOPOGRAPHIC SURVEY

LANDS NOW OR FORMERLY OF

TOWN OF KINGSBURY

1177 & 1189 DIX AVENUE

TOWN OF KINGSBURY WASHINGTON COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
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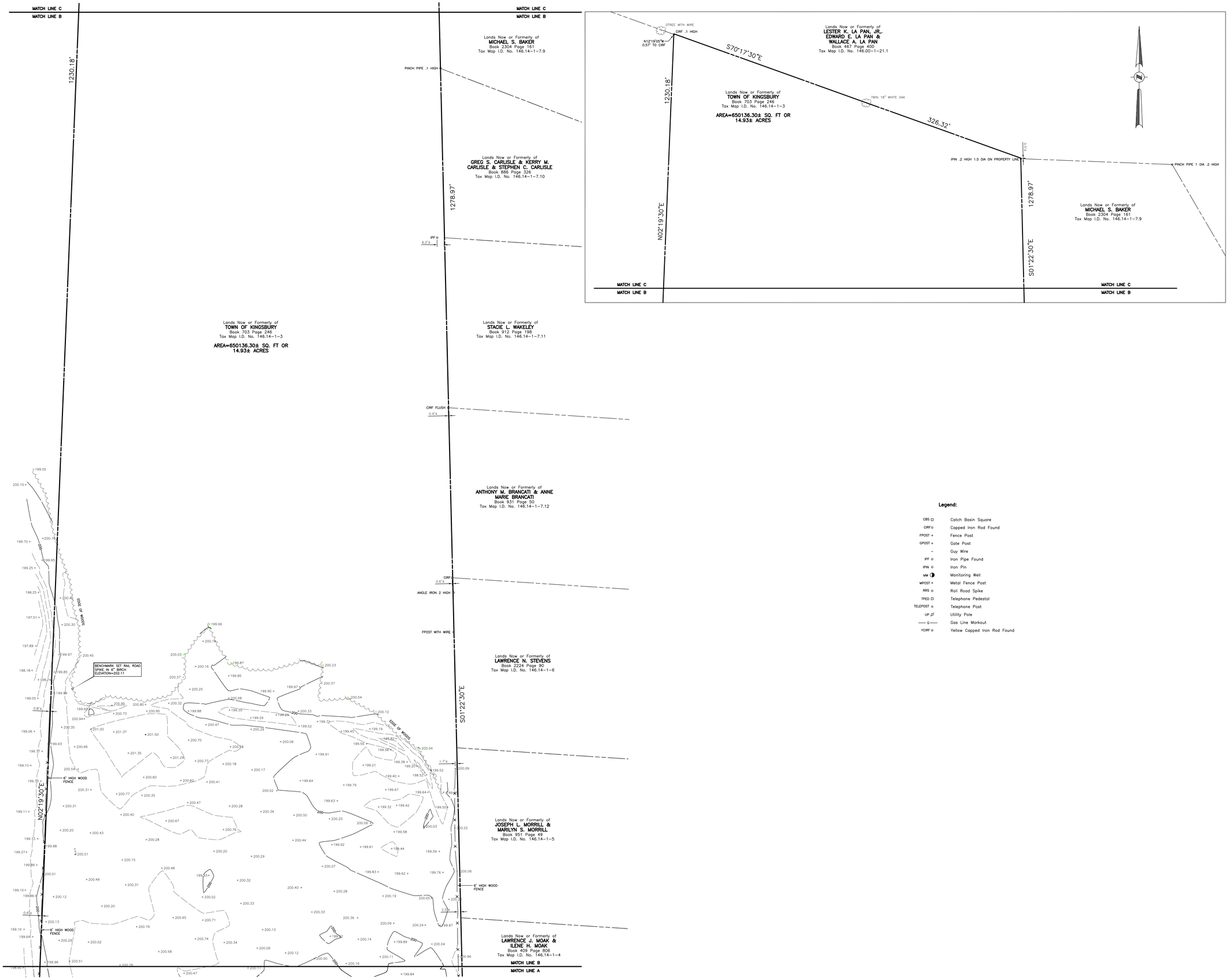
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

SHEET 1 OF 2
DWG. NO: 08-141

"ONLY COPIES OF THIS MAP SIGNED IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES, P.C. OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY"



Legend:

CBS □	Catch Basin Square
CIRF o	Capped Iron Rod Found
FPOST +	Fence Post
GPOST +	Gate Post
-	Guy Wire
IPF o	Iron Pipe Found
IPIN o	Iron Pin
MW ◑	Monitoring Well
MPOST +	Metal Fence Post
RRS o	Rail Road Spike
TPED □	Telephone Pedestal
TELEPOST o	Telephone Post
UP ⌀	Utility Pole
—— G ——	Gas Line Markout
YCIRF o	Yellow Capped Iron Rod Found

JAMES F. COOK
PLS NO. 49260

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
	2			
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	9			

APPROVED: WJN
DRAFTED : SMW
CHECKED : JFC
PROJ. NO: 07.7412
SCALE : 1"=30'
DATE : DEC. 13, 2007

BOUNDARY AND TOPOGRAPHIC SURVEY

LANDS NOW OR FORMERLY OF

TOWN OF KINGSBURY

1177 & 1189 DIX AVENUE

TOWN OF KINGSBURY — WASHINGTON COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
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ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

APPENDIX B
Final Engineering Report
(Electronic Copy)

APPENDIX C
CAMP Field Data Sheets
(Electronic Copy)

APPENDIX D
Representative Photo Log

PHOTO LOG

NUMBER	DESCRIPTION
1.	Clearing and grubbing of east portion of site.
2.	Asbestos abatement and demolition of the Projection Booth/Snack Bar structure.
3.	Loadout of the Projection Booth/Snack Bar structure.
4.	Placement of Town supplied general fill on east portions of the site.
5.	Construction haul road and stockpiled brush from site clearing and grubbing.
6.	C.T. Male survey of post-excavation vertical depths.
7.	Excavation of Hazardous PCB soils from southwest portions of the site.
8.	Excavation of non-hazardous PCB soils from northeast portions of the site.
9.	Two layers of 6-mil reinforced poly for hazardous soils staging area.
10.	Abandonment of monitoring well via tremi-grouting.
11.	Obtaining general fill from the Town of Kingsbury stockpile.
12.	Application of Town fill on eastern portions of the site.
13.	Staging of non-hazardous PCB soils in temporary staging area.
14.	Town of Kingsbury delivery of general fill to site.
15.	Goulet truck leaving site.
16.	Excavation of non-hazardous PCB soils on east portion of the site.
17.	Looking northwest at vegetated remedial excavation areas.
18.	Looking northeast at vegetated remedial excavation areas.
19.	Looking south at stockade fence along eastern property boundary.
20.	Looking north at stockade fence along eastern property boundary.

Photo 001.jpg

Photo 002.jpg

Photo 003.jpg

Photo 004.jpg

Photo 005.jpg

Photo 006.jpg

Photo 007.jpg

Photo 008.jpg

Photo 009.jpg

Photo 010.jpg

Photo 011.jpg

Photo 012.jpg

Photo 013.jpg

Photo 014.jjpg.jpg

Photo 015.jpg

Photo 016.jpg

Photo 017.jpg

Photo 018.jpg

Photo 019.jpg

Photo 020.jpg

APPENDIX E
Disposal Documentation
(Electronic Copy)

APPENDIX F
Waste Characterization Analytical Results
(Electronic Copy)

APPENDIX G
Data Usability Summary Report

C.T. MALE ASSOCIATES, P.C.

SUBJECT: Data Usability Summary Report (DUSR)
Former Dix Avenue Drive-in – Kingsbury, NY
Chemtech SDG Nos.: A5365, A5476, B1020, B1057 and B1180
C.T. Male Project No.: 07.7412

DATE: February 12, 2010

Between November 30, 2009 and January 22, 2010, C.T. Male Associates, P.C. (C. T. Male) collected twenty nine (29) soil samples, plus two (2) sample duplicates from the Former Dix Avenue Drive-in site in Kingsbury, NY. The samples were submitted, along with two (2) equipment blanks to Chemtech Laboratories (Chemtech) in Mountainside, NJ for polychlorinated bi-phenol (PCB) analysis by Environmental Protection Agency (EPA) method SW-846 8082. Forty four (44) additional soil samples were collected and submitted to Chemtech. C. T. Male requested these samples to be put on hold in preparation for PCB analysis.

C. T. Male evaluated the data reported by the laboratory to determine usability per Appendix 2B of the *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002), with guidance from the *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999). The following criteria were reviewed:

- Completeness of data package as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables;
- Holding time compliance for chemical analysis;
- Protocol required limits and specification compliance for quality control (QC) data (e.g., instrument tuning, calibration standards, blank results, spike results, duplicate results, etc);
- Contract compliance for analytical protocols;
- Omissions and transcription errors; and
- Data qualification.

Data Completeness

Documentation required by the project was included in the data package. There were no discrepancies found between the raw data and summary forms. The laboratory Case Narratives (Attachment A) identified deviations from laboratory analytical specifications. C.T. Male reviewed these QC results to determine if sample results should be qualified based on the criteria provided in Appendix 2B of the *Technical Guidance for Site Investigation and Remediation*. QC exceedences and data qualification recommendations are presented in the Data Evaluation Checklists (Attachment B). Qualified sample results are presented in the laboratory summary forms, which are located in Attachment C.

QC exceedences and data qualification recommendations are summarized below.

Sample Condition upon Receipt and Holding Times

Chemtech received all the samples listed on the chain of custody (COC) records intact and in good condition, including several samples that were submitted to the laboratory by C. T. Male and requested that PCB analysis was put on hold until further notice from C. T. Male. The temperature of samples was within laboratory specification limits of 2 to 6°C upon receipt.

Project samples were prepared and analyzed within EPA-established holding times from verified time of sample receipt (VTSR).

PCB Analysis by SW-846 8082

Laboratory specifications were met during the initial and continuing calibrations. The percent relative standard deviation (%RSD) between relative response factors (RRF) was less than or equal to 30% during the initial calibration, and the percent difference (%D) between the initial calibration average RRF and continuing calibration RRF was less than or equal to 25% for target analytes.

Surrogate recoveries met laboratory specifications for project samples.

The percent recovery (%R) results for laboratory control sample (LCS) analyses were within laboratory specifications for the target analytes Aroclor 1016 and Aroclor 1260.

A method blank was reported for each analytical batch. Two equipment blanks were also submitted to the laboratory for PCB analysis. Target compounds were not detected during the analyses of the method blanks or the equipment blanks.

Criteria for accuracy and precision were met during the matrix spike (MS) and MS duplicate (MSD) analyses of samples POSTEXC-2, POSTEXC-7(0-6), POSTEXC-10(0-6) and POSTEXC-26(0-6) for target analytes Aroclor 1016 and Aroclor 1260.

A field duplicate evaluation was performed on samples FD-01 (blind field duplicate) and POSTEXC-1. Criteria for precision was achieved as target analytes were not detected.

A field duplicate evaluation was performed on samples FD-02 (blind field duplicate) and POSTEXC-27(0-6). Criteria for precision was achieved as target analytes were not detected.

Summary

Overall, data quality objectives for the Former Dix Avenue Drive-in site located in Kingsbury, NY were met, as there were no data deficiencies that would indicate the need for re-sampling. The analytical results are usable with the qualification of results as described in this DUSR. No analytical data has been rejected.

Megan Drosky
Environmental Scientist

APPENDIX H:
Imported Fill Analytical Results

GENERAL FILL ANALYTICAL RESULTS

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

April 20, 2009

Mr. Michael McLean, P.E.
NYSDEC
1115 NYS Route 86
PO Box 296
Ray Brook, New York 12977-0296

RE: Backfill Analytical Results
Former Dix Avenue Drive-In Theater
ERP No. B001515

Dear Mr. McLean:

Attached please find the analytical summary results for characterization samples collected of both general fill and topsoil to be used as backfill for the PCB-impacted soil remediation at the above referenced site.

One composite sample each was collected of general fill obtained from the Town of Kingsbury's virgin source located on Tripoli Road in the Town of Fort Ann, and from topsoil that was produced from three parts of the above referenced virgin fill and one part compost obtained from the Washington County Regional Biosolids Composting facility. The samples were collected in laboratory provided sampling jars and forwarded to Chemtech for analysis for TCL VOCs, SVOCs, Pesticides and PCBs, and TAL Metals and Cyanide.

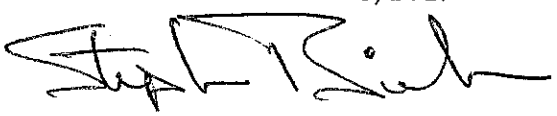
The attached analytical summary results table and full laboratory analytical results show all of the analyzed compounds and analytes at concentrations below Part 375 SCOs for Unrestricted Use sites, with calcium and magnesium detected above their respective Eastern USA Background values. Part 375 does not have reference standards for calcium and magnesium.

Based on the analytical results, C.T. Male Associates, P.C., on behalf of the Town of Kingsbury, is requesting DEC permission to use the above referenced Town supplied general fill and topsoil as backfill material for the PCB-impacted soil remediation.

Please contact me should you require further information.

Respectfully,

C.T. MALE ASSOCIATES, P.C.



Stephen Bieber
Environmental Scientist

Attachments

C: James Lindsey, Supervisor
Town of Kingsbury
210 Main Street
Hudson Falls, New York 12839

Mathew F. Fuller, Esq.
Fitzgerald, Morris, Baker, Firth, P.C.
3019 State Route 4
Hudson Falls, New York 12839

Kirk Moline, C.T. Male

TOPSOIL AND GENERAL FILL ANALYTICAL RESULTS SUMMARY
FORMER DIX AVENUE DRIVE-IN THEATER ERP SITE
(Unvalidated Data)
C.T. Male Project No. 07.7412

PARAMETER	Part 375 Unrestricted Use SCOs[1] (mg/kg)	Eastern USA Background[2] (mg/kg)	Topsoil 1 mg/kg		Fill 1 mg/kg	
			Result	Qualifier	Result	Qualifier
Volatile Organic Compounds						
Toluene	0.7	NA	0.006	U	0.041	
Semi-Volatile Organic Compounds						
Benzo(a)anthracene	1	NA	0.039	J	0.019	U
Fluoranthene	100	NA	0.05	J	0.053	J
Pyrene	100	NA	0.061	J	0.072	J
Chrysene	1	NA	0.061	J	0.052	J
bis(2-Ethylhexyl)phthalate	NS	NA	0.14	J	0.15	J
Benzo(b)fluoranthene	1	NA	0.076	J	0.07	J
Benzo(k)fluoranthene	0.8	NA	0.042	J	0.041	J
Benzo(a)pyrene	1	NA	0.045	J	0.047	J
Benzo(g,h,i)perylene	100	NA	0.051	J	0.061	J
Pesticides (None Detected Above the Laboratory Detection Limit)						
PCBs (None Detected Above the Laboratory Detection Limit)						
Metals						
Aluminum	NS	33,000	5830		1890	
Antimony	NS	NA	0.5	J	0.4	U
Arsenic	13	3 - 12	0.92		0.37	J
Barium	350	15 - 1600	50.9		23.9	
Beryllium	7.2	0 - 1.75	0.28		0.17	J
Cadmium	2.5	0.1 - 1	0.33		0.2	J
Calcium	NS	130 - 35,000	16,300		42,200	
Chromium	30	1.5 - 40	9.17		3.27	
Cobalt	NS	2.5 - 60	4.75		3.93	
Copper	50	1 - 50	41.5		6.94	
Iron	NS	2000 - 550,000	10,600		6760	
Lead	63	NA	13.6		3.27	
Magnesium	NS	100 - 5000	4440		9400	
Manganese	1,600	50 - 5000	302		407	
Mercury	0.18	0.001 - 0.2	0.057		0.005	J
Nickel	30	0.5 - 25	9.95		6.46	
Potassium	NS	8500 - 43,000	507		293	
Selenium	3.9	0.1 - 3.9	1.81		0.68	J
Silver	2	NA	0.31	J	0.11	U
Sodium	NS	6000 - 8000	109		64.3	J
Vanadium	NS	1 - 300	14.1		8.74	
Zinc	109	9 - 50	73.2		15	

Qualifiers and Notes
(1) NYSDEC 6 NYCRR PART 375 Environmental Remediation Programs, Subpart 375-6, Dated December 14, 2006
(2) NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Determination of Soil Cleanup Objectives, Eastern USA or NYS Background, Dated Jan. 24, 1994.
Concentrations denoted in mg/kg or parts per million (ppm)
U indicates that the compound was analyzed but not detected
J indicates and estimated value
NS denotes "No Standard"
NA denotes "Not Applicable"

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : A2102

Project ID : Remediation - Dix Ave

Client : C.T. Male & Associates

Lab Sample Number	Client Sample Number
A2102-01	TOPSOIL_1
A2102-02	FILL_1
A2102-03	TOPSOIL_2

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes
I am approving this document
2009.04.14 14:46:42 -04'00'

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. A-2102
QUOTE NO.
COC Number 076787

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CT Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Steve Bieber
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT PROJECT INFORMATION

PROJECT NAME: D&H Axe Drive-In
PROJECT NO.: 07.7912 LOCATION: Kingsbury
PROJECT MANAGER: Steve Bieber
e-mail: s.bieber@ctmale.com
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT BILLING INFORMATION

BILL TO: Steve Bieber PO#: 07.7912
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: Standard DAYS *
EDD: TAT DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☒ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1 TCL VOCs
2 TCL SVOCs
3 TCL PESTs
4 TCL PCBs
5 TAL Metals
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Topsoil #1	Soil	X		3/31/09	0810	2	E ✓	E ✓	E ✓	E ✓	E ✓					
2.	Fill #1	↓	X		↓	0840	2	✓	✓	✓	✓	✓					
3.	Topsoil #2	↓	X		↓	0820	2	✓	✓	✓	✓	✓					* Hold *
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/31/09 1400	
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 11:05	RECEIVED FOR LAB BY:
3. UPS-RS	4.1.09	3. CHRISTOPHER GREB

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☒ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

3

UPS CampusShip: View/Print Label

1. **Ensure that there are no other tracking labels attached to your package.**

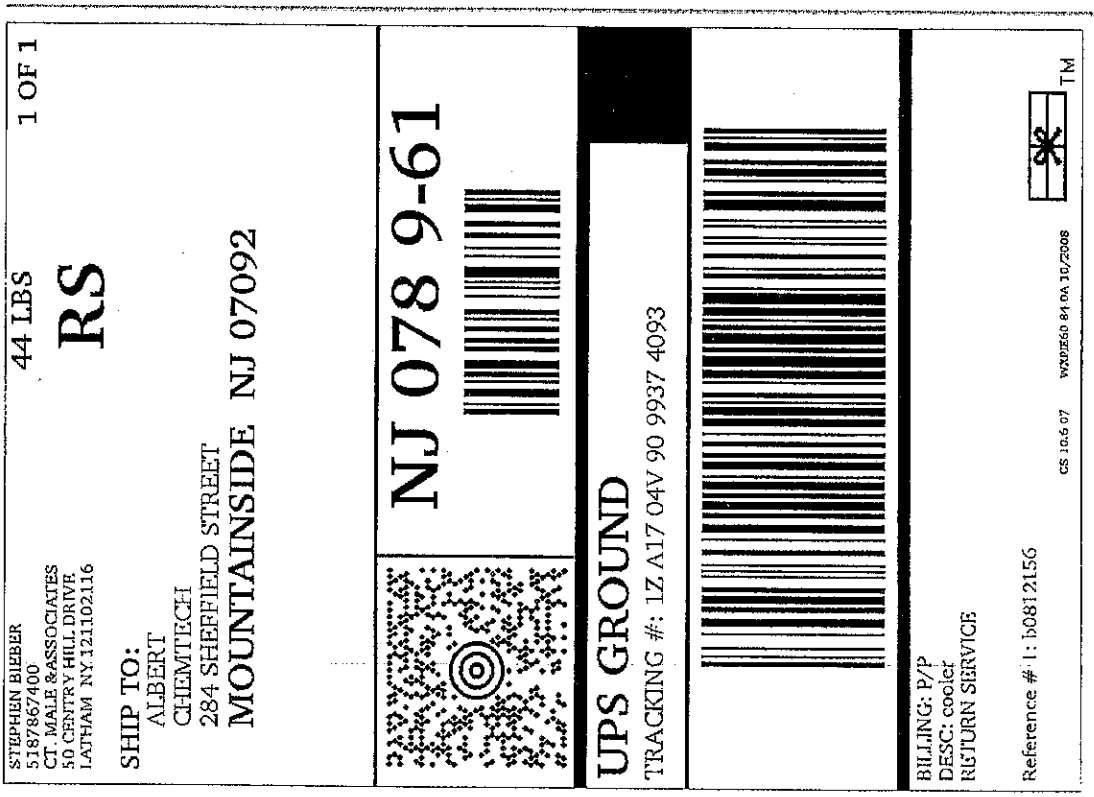
2. **Fold the printed label at the dotted line.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers without a Daily Pickup
   - Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   - Hand the package to any UPS driver in your area.
   - Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot® or Staples®) or Authorized Shipping Outlet near you. Items sent via UPS Return Services℠ (including via Ground) are accepted at Drop Boxes.
   - To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

   Customers with a Daily Pickup
   - Your driver will pickup your shipment(s) as usual.

4/1/09

FOLD HERE



CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-789-8900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Maryland	296
Massachusetts	M-NJ503
Maine	NJ0503
Oklahoma	9705
Pennsylvania	68-548
Rhode Island	LAO00259

QA Control Code: A2070148

ORGANIC

DATA REPORTING QUALIFIERS

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

Inorganic

DATA REPORTING QUALIFIERS

For reporting results, the following " Results Qualifiers" are used:

J	If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	If the analyte was analyzed for, but not detected.
E	The reported value is estimated because of the presence of interference
M	Duplicate injection precision not met.
N	Spiked sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while absorbance is less that 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.
***	Entering "S", "W " or " +" is mutually exclusive. NO combination of these qualifiers can appear in the same field for an analyte.
D	The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "A" for Flame AA "PM" for ICP when Microwave Digestion is used "AM" for flame AA when Microwave Digestion is used "FM" for furnace AA when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #:_____A2102_____

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	
All runlogs reviewed for manual integration requirements	

1st Level QA Review Signature: Krina Yagnik Date: 04/14/2009

2nd Level QA Review Signature: Mildred V Reyes Mildred V. Reyes I am approving this document 2009.04.15 14:46:12 -04'00' Date:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	TOPSOIL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-01	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	15
Sample Wt/Wol:	1.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017001.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.8	U	29	3.8	ug/Kg
74-87-3	Chloromethane	5.1	U	29	5.1	ug/Kg
75-01-4	Vinyl chloride	7.2	U	29	7.2	ug/Kg
74-83-9	Bromomethane	14	U	29	14	ug/Kg
75-00-3	Chloroethane	8.2	U	29	8.2	ug/Kg
75-69-4	Trichlorofluoromethane	7.8	U	29	7.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.8	U	29	7.8	ug/Kg
75-35-4	1,1-Dichloroethene	8.6	U	29	8.6	ug/Kg
67-64-1	Acetone	18	U	150	18	ug/Kg
75-15-0	Carbon disulfide	6.2	U	29	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.6	U	29	5.6	ug/Kg
79-20-9	Methyl Acetate	8.9	U	29	8.9	ug/Kg
75-09-2	Methylene Chloride	8.4	U	29	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.1	U	29	4.1	ug/Kg
75-34-3	1,1-Dichloroethane	5.5	U	29	5.5	ug/Kg
110-82-7	Cyclohexane	5.9	U	29	5.9	ug/Kg
78-93-3	2-Butanone	18	U	150	18	ug/Kg
56-23-5	Carbon Tetrachloride	5.8	U	29	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.2	U	29	5.2	ug/Kg
67-66-3	Chloroform	4.4	U	29	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.2	U	29	5.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	29	6.2	ug/Kg
71-43-2	Benzene	2.2	U	29	2.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.8	U	29	3.8	ug/Kg
79-01-6	Trichloroethene	5.1	U	29	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	29	1.5	ug/Kg
75-27-4	Bromodichloromethane	3.6	U	29	3.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	150	17	ug/Kg
108-88-3	Toluene	3.8	U	29	3.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.6	U	29	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.2	U	29	4.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.3	U	29	5.3	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	3/31/2009
Project:	Remediation - Dix Ave	Date Received:	4/1/2009
Client Sample ID:	TOPSOIL 1	SDG No.:	A2102
Lab Sample ID:	A2102-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	15
Sample Wt/Wol:	1.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017001.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	23	U	150	23	ug/Kg
124-48-1	Dibromochloromethane	3.2	U	29	3.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.8	U	29	3.8	ug/Kg
127-18-4	Tetrachloroethene	5.9	U	29	5.9	ug/Kg
108-90-7	Chlorobenzene	2.9	U	29	2.9	ug/Kg
100-41-4	Ethyl Benzene	3.6	U	29	3.6	ug/Kg
179601-23-1	m/p-Xylenes	4.2	U	59	4.2	ug/Kg
95-47-6	o-Xylene	4.0	U	29	4.0	ug/Kg
100-42-5	Styrene	2.6	U	29	2.6	ug/Kg
75-25-2	Bromoform	4.4	U	29	4.4	ug/Kg
98-82-8	Isopropylbenzene	2.8	U	29	2.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	29	2.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.2	U	29	2.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.4	U	29	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.6	U	29	3.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.1	U	29	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.1	U	29	4.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.29	99 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	49.58	99 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	48.2	96 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	42.04	84 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	916325	2.73			
540-36-3	1,4-Difluorobenzene	1516224	3.08			
3114-55-4	Chlorobenzene-d5	1148448	5.69			
3855-82-1	1,4-Dichlorobenzene-d4	415362	8.00			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	FILL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	7
Sample Wt/Vol:	1.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017004.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.5	U	27	3.5	ug/Kg
74-87-3	Chloromethane	4.6	U	27	4.6	ug/Kg
75-01-4	Vinyl chloride	6.6	U	27	6.6	ug/Kg
74-83-9	Bromomethane	13	U	27	13	ug/Kg
75-00-3	Chloroethane	7.5	U	27	7.5	ug/Kg
75-69-4	Trichlorofluoromethane	7.1	U	27	7.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.2	U	27	7.2	ug/Kg
75-35-4	1,1-Dichloroethene	7.9	U	27	7.9	ug/Kg
67-64-1	Acetone	16	U	130	16	ug/Kg
75-15-0	Carbon disulfide	5.7	U	27	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.2	U	27	5.2	ug/Kg
79-20-9	Methyl Acetate	8.1	U	27	8.1	ug/Kg
75-09-2	Methylene Chloride	7.6	U	27	7.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.7	U	27	3.7	ug/Kg
75-34-3	1,1-Dichloroethane	5.1	U	27	5.1	ug/Kg
110-82-7	Cyclohexane	5.4	U	27	5.4	ug/Kg
78-93-3	2-Butanone	17	U	130	17	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	27	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.8	U	27	4.8	ug/Kg
67-66-3	Chloroform	4.0	U	27	4.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.7	U	27	4.7	ug/Kg
108-87-2	Methylcyclohexane	5.7	U	27	5.7	ug/Kg
71-43-2	Benzene	2.0	U	27	2.0	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	27	3.4	ug/Kg
79-01-6	Trichloroethene	4.6	U	27	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	27	1.4	ug/Kg
75-27-4	Bromodichloromethane	3.3	U	27	3.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	130	16	ug/Kg
108-88-3	Toluene	41		27	3.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.2	U	27	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.9	U	27	3.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.8	U	27	4.8	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	FILL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	7
Sample Wt/Vol:	1.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017004.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	21	U	130	21	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	27	2.9	ug/Kg
106-93-4	1,2-Dibromoethane	3.4	U	27	3.4	ug/Kg
127-18-4	Tetrachloroethene	5.4	U	27	5.4	ug/Kg
108-90-7	Chlorobenzene	2.7	U	27	2.7	ug/Kg
100-41-4	Ethyl Benzene	3.3	U	27	3.3	ug/Kg
179601-23-1	m/p-Xylenes	3.9	U	54	3.9	ug/Kg
95-47-6	o-Xylene	3.7	U	27	3.7	ug/Kg
100-42-5	Styrene	2.4	U	27	2.4	ug/Kg
75-25-2	Bromoform	4.0	U	27	4.0	ug/Kg
98-82-8	Isopropylbenzene	2.6	U	27	2.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	27	2.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.0	U	27	2.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.2	U	27	2.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.3	U	27	3.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.7	U	27	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.8	U	27	3.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.33	95 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	49.33	99 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	49.01	98 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	46.35	93 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1354003	2.72			
540-36-3	1,4-Difluorobenzene	2262095	3.08			
3114-55-4	Chlorobenzene-d5	1792526	5.69			
3855-82-1	1,4-Dichlorobenzene-d4	740560	7.99			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: A2102 Order ID: A2102

Client: C.T. Male & Associates Project ID: CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	FILL 1							
A2102-02	FILL 1	SOIL	Toluene	41		27	3.4	ug/Kg
			Total VOC's:	41.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	41.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			VOC-TCL	8260			04/06/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			VOC-TCL	8260			04/06/09	

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1	SDG No.:	A2102
Lab Sample ID:	A2102-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027061.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	20	U	390	20	ug/Kg
108-95-2	Phenol	9	U	390	9	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	19	U	390	19	ug/Kg
95-57-8	2-Chlorophenol	21	U	390	21	ug/Kg
95-48-7	2-Methylphenol	21	U	390	21	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	16	U	390	16	ug/Kg
98-86-2	Acetophenone	12	U	390	12	ug/Kg
65794-96-9	3+4-Methylphenols	20	U	390	20	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	20	U	390	20	ug/Kg
67-72-1	Hexachloroethane	17	U	390	17	ug/Kg
98-95-3	Nitrobenzene	15	U	390	15	ug/Kg
78-59-1	Isophorone	13	U	390	13	ug/Kg
88-75-5	2-Nitrophenol	19	U	390	19	ug/Kg
105-67-9	2,4-Dimethylphenol	22	U	390	22	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	23	U	390	23	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	390	15	ug/Kg
91-20-3	Naphthalene	14	U	390	14	ug/Kg
106-47-8	4-Chloroaniline	28	U	390	28	ug/Kg
87-68-3	Hexachlorobutadiene	14	U	390	14	ug/Kg
105-60-2	Caprolactam	18	U	390	18	ug/Kg
59-50-7	4-Chloro-3-methylphenol	17	U	390	17	ug/Kg
91-57-6	2-Methylnaphthalene	9.9	U	390	9.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.5	U	390	9.5	ug/Kg
88-06-2	2,4,6-Trichlorophenol	12	U	390	12	ug/Kg
95-95-4	2,4,5-Trichlorophenol	27	U	390	27	ug/Kg
92-52-4	1,1-Biphenyl	15	U	390	15	ug/Kg
91-58-7	2-Chloronaphthalene	8.9	U	390	8.9	ug/Kg
88-74-4	2-Nitroaniline	17	U	390	17	ug/Kg
131-11-3	Dimethylphthalate	11	U	390	11	ug/Kg
208-96-8	Acenaphthylene	9.9	U	390	9.9	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	390	16	ug/Kg
99-09-2	3-Nitroaniline	25	U	390	25	ug/Kg
83-32-9	Acenaphthene	11	U	390	11	ug/Kg
51-28-5	2,4-Dinitrophenol	40	U	390	40	ug/Kg
100-02-7	4-Nitrophenol	73	U	390	73	ug/Kg
132-64-9	Dibenzofuran	15	U	390	15	ug/Kg
121-14-2	2,4-Dinitrotoluene	12	U	390	12	ug/Kg
84-66-2	Diethylphthalate	6.1	U	390	6.1	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	21	U	390	21	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1	SDG No.:	A2102
Lab Sample ID:	A2102-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027061.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
86-73-7	Fluorene	15	U	390	15	ug/Kg
100-01-6	4-Nitroaniline	51	U	390	51	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	22	U	390	22	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.4	U	390	9.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	7.6	U	390	7.6	ug/Kg
118-74-1	Hexachlorobenzene	16	U	390	16	ug/Kg
1912-24-9	Atrazine	21	U	390	21	ug/Kg
87-86-5	Pentachlorophenol	27	U	390	27	ug/Kg
85-01-8	Phenanthrene	11	U	390	11	ug/Kg
120-12-7	Anthracene	8	U	390	8	ug/Kg
86-74-8	Carbazole	8.6	U	390	8.6	ug/Kg
84-74-2	Di-n-butylphthalate	31	U	390	31	ug/Kg
206-44-0	Fluoranthene	50	J	390	7.9	ug/Kg
129-00-0	Pyrene	61	J	390	9.4	ug/Kg
85-68-7	Butylbenzylphthalate	19	U	390	19	ug/Kg
91-94-1	3,3-Dichlorobenzidine	25	U	390	25	ug/Kg
56-55-3	Benzo(a)anthracene	39	J	390	19	ug/Kg
218-01-9	Chrysene	61	J	390	18	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	140	J	390	14	ug/Kg
117-84-0	Di-n-octyl phthalate	4.5	U	390	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	76	J	390	13	ug/Kg
207-08-9	Benzo(k)fluoranthene	42	J	390	18	ug/Kg
50-32-8	Benzo(a)pyrene	45	J	390	8.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13	U	390	13	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	390	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51	J	390	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	100.09		67%	23 - 104	SPK: 150
13127-88-3	Phenol-d5	112.79		75%	29 - 104	SPK: 150
4165-60-0	Nitrobenzene-d5	74.46		74%	28 - 110	SPK: 100
321-60-8	2-Fluorobiphenyl	63.69		64%	32 - 109	SPK: 100
118-79-6	2,4,6-Tribromophenol	123.01		82%	24 - 112	SPK: 150
1718-51-0	Terphenyl-d14	101.07		101%	30 - 150	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132164	5.07			
1146-65-2	Naphthalene-d8	533595	6.52			
15067-26-2	Acenaphthene-d10	232124	8.64			
1517-22-2	Phenanthrene-d10	306466	10.46			
1719-03-5	Chrysene-d12	188359	13.71			

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1	SDG No.:	A2102
Lab Sample ID:	A2102-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027061.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
1520-96-3	Perylene-d12	116891	15.72			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1RE	SDG No.:	BF040409
Lab Sample ID:	A2102-01RE	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027093.D	1	04/02/09	04/04/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	20	U	390	20	ug/Kg
108-95-2	Phenol	9	U	390	9	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	19	U	390	19	ug/Kg
95-57-8	2-Chlorophenol	21	U	390	21	ug/Kg
95-48-7	2-Methylphenol	21	U	390	21	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	16	U	390	16	ug/Kg
98-86-2	Acetophenone	12	U	390	12	ug/Kg
65794-96-9	3+4-Methylphenols	20	U	390	20	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	20	U	390	20	ug/Kg
67-72-1	Hexachloroethane	17	U	390	17	ug/Kg
98-95-3	Nitrobenzene	15	U	390	15	ug/Kg
78-59-1	Isophorone	13	U	390	13	ug/Kg
88-75-5	2-Nitrophenol	19	U	390	19	ug/Kg
105-67-9	2,4-Dimethylphenol	22	U	390	22	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	23	U	390	23	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	390	15	ug/Kg
91-20-3	Naphthalene	14	U	390	14	ug/Kg
106-47-8	4-Chloroaniline	28	U	390	28	ug/Kg
87-68-3	Hexachlorobutadiene	14	U	390	14	ug/Kg
105-60-2	Caprolactam	18	U	390	18	ug/Kg
59-50-7	4-Chloro-3-methylphenol	17	U	390	17	ug/Kg
91-57-6	2-Methylnaphthalene	9.9	U	390	9.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.5	U	390	9.5	ug/Kg
88-06-2	2,4,6-Trichlorophenol	12	U	390	12	ug/Kg
95-95-4	2,4,5-Trichlorophenol	27	U	390	27	ug/Kg
92-52-4	1,1-Biphenyl	15	U	390	15	ug/Kg
91-58-7	2-Chloronaphthalene	8.9	U	390	8.9	ug/Kg
88-74-4	2-Nitroaniline	17	U	390	17	ug/Kg
131-11-3	Dimethylphthalate	11	U	390	11	ug/Kg
208-96-8	Acenaphthylene	9.9	U	390	9.9	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	390	16	ug/Kg
99-09-2	3-Nitroaniline	25	U	390	25	ug/Kg
83-32-9	Acenaphthene	11	U	390	11	ug/Kg
51-28-5	2,4-Dinitrophenol	40	U	390	40	ug/Kg
100-02-7	4-Nitrophenol	73	U	390	73	ug/Kg
132-64-9	Dibenzofuran	15	U	390	15	ug/Kg
121-14-2	2,4-Dinitrotoluene	12	U	390	12	ug/Kg
84-66-2	Diethylphthalate	6.1	U	390	6.1	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	21	U	390	21	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1RE	SDG No.:	BF040409
Lab Sample ID:	A2102-01RE	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027093.D	1	04/02/09	04/04/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
86-73-7	Fluorene	15	U	390	15	ug/Kg
100-01-6	4-Nitroaniline	51	U	390	51	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	22	U	390	22	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.4	U	390	9.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	7.6	U	390	7.6	ug/Kg
118-74-1	Hexachlorobenzene	16	U	390	16	ug/Kg
1912-24-9	Atrazine	21	U	390	21	ug/Kg
87-86-5	Pentachlorophenol	27	U	390	27	ug/Kg
85-01-8	Phenanthrene	11	U	390	11	ug/Kg
120-12-7	Anthracene	8	U	390	8	ug/Kg
86-74-8	Carbazole	8.6	U	390	8.6	ug/Kg
84-74-2	Di-n-butylphthalate	31	U	390	31	ug/Kg
206-44-0	Fluoranthene	53	J	390	7.9	ug/Kg
129-00-0	Pyrene	72	J	390	9.4	ug/Kg
85-68-7	Butylbenzylphthalate	19	U	390	19	ug/Kg
91-94-1	3,3-Dichlorobenzidine	25	U	390	25	ug/Kg
56-55-3	Benzo(a)anthracene	19	U	390	19	ug/Kg
218-01-9	Chrysene	52	J	390	18	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	150	J	390	14	ug/Kg
117-84-0	Di-n-octyl phthalate	4.5	U	390	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	70	J	390	13	ug/Kg
207-08-9	Benzo(k)fluoranthene	41	J	390	18	ug/Kg
50-32-8	Benzo(a)pyrene	47	J	390	8.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13	U	390	13	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	390	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61	J	390	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.58		66%	23 - 104	SPK: 150
13127-88-3	Phenol-d5	114.03		76%	29 - 104	SPK: 150
4165-60-0	Nitrobenzene-d5	75.42		75%	28 - 110	SPK: 100
321-60-8	2-Fluorobiphenyl	64.02		64%	32 - 109	SPK: 100
118-79-6	2,4,6-Tribromophenol	134.42		90%	24 - 112	SPK: 150
1718-51-0	Terphenyl-d14	119.86		120%	30 - 150	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126526	5.06			
1146-65-2	Naphthalene-d8	506474	6.5			
15067-26-2	Acenaphthene-d10	227953	8.62			
1517-22-2	Phenanthrene-d10	309714	10.45			
1719-03-5	Chrysene-d12	168389	13.7			

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1RE	SDG No.:	BF040409
Lab Sample ID:	A2102-01RE	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027093.D	1	04/02/09	04/04/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
1520-96-3	Perylene-d12	112715	15.69			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	FILL_1	SDG No.:	A2102
Lab Sample ID:	A2102-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027052.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	19	U	350	19	ug/Kg
108-95-2	Phenol	8.2	U	350	8.2	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	17	U	350	17	ug/Kg
95-57-8	2-Chlorophenol	19	U	350	19	ug/Kg
95-48-7	2-Methylphenol	19	U	350	19	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	15	U	350	15	ug/Kg
98-86-2	Acetophenone	11	U	350	11	ug/Kg
65794-96-9	3+4-Methylphenols	19	U	350	19	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	18	U	350	18	ug/Kg
67-72-1	Hexachloroethane	16	U	350	16	ug/Kg
98-95-3	Nitrobenzene	13	U	350	13	ug/Kg
78-59-1	Isophorone	12	U	350	12	ug/Kg
88-75-5	2-Nitrophenol	17	U	350	17	ug/Kg
105-67-9	2,4-Dimethylphenol	20	U	350	20	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	21	U	350	21	ug/Kg
120-83-2	2,4-Dichlorophenol	14	U	350	14	ug/Kg
91-20-3	Naphthalene	12	U	350	12	ug/Kg
106-47-8	4-Chloroaniline	25	U	350	25	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	350	13	ug/Kg
105-60-2	Caprolactam	17	U	350	17	ug/Kg
59-50-7	4-Chloro-3-methylphenol	16	U	350	16	ug/Kg
91-57-6	2-Methylnaphthalene	9	U	350	9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8.7	U	350	8.7	ug/Kg
88-06-2	2,4,6-Trichlorophenol	11	U	350	11	ug/Kg
95-95-4	2,4,5-Trichlorophenol	25	U	350	25	ug/Kg
92-52-4	1,1-Biphenyl	13	U	350	13	ug/Kg
91-58-7	2-Chloronaphthalene	8.1	U	350	8.1	ug/Kg
88-74-4	2-Nitroaniline	16	U	350	16	ug/Kg
131-11-3	Dimethylphthalate	9.6	U	350	9.6	ug/Kg
208-96-8	Acenaphthylene	9	U	350	9	ug/Kg
606-20-2	2,6-Dinitrotoluene	15	U	350	15	ug/Kg
99-09-2	3-Nitroaniline	23	U	350	23	ug/Kg
83-32-9	Acenaphthene	10	U	350	10	ug/Kg
51-28-5	2,4-Dinitrophenol	36	U	350	36	ug/Kg
100-02-7	4-Nitrophenol	66	U	350	66	ug/Kg
132-64-9	Dibenzofuran	14	U	350	14	ug/Kg
121-14-2	2,4-Dinitrotoluene	11	U	350	11	ug/Kg
84-66-2	Diethylphthalate	5.6	U	350	5.6	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	19	U	350	19	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	FILL_1	SDG No.:	A2102
Lab Sample ID:	A2102-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027052.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
86-73-7	Fluorene	13	U	350	13	ug/Kg
100-01-6	4-Nitroaniline	46	U	350	46	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	350	20	ug/Kg
86-30-6	N-Nitrosodiphenylamine	8.6	U	350	8.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	7	U	350	7	ug/Kg
118-74-1	Hexachlorobenzene	15	U	350	15	ug/Kg
1912-24-9	Atrazine	19	U	350	19	ug/Kg
87-86-5	Pentachlorophenol	24	U	350	24	ug/Kg
85-01-8	Phenanthrene	9.6	U	350	9.6	ug/Kg
120-12-7	Anthracene	7.3	U	350	7.3	ug/Kg
86-74-8	Carbazole	7.8	U	350	7.8	ug/Kg
84-74-2	Di-n-butylphthalate	28	U	350	28	ug/Kg
206-44-0	Fluoranthene	7.2	U	350	7.2	ug/Kg
129-00-0	Pyrene	8.6	U	350	8.6	ug/Kg
85-68-7	Butylbenzylphthalate	17	U	350	17	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	350	23	ug/Kg
56-55-3	Benzo(a)anthracene	17	U	350	17	ug/Kg
218-01-9	Chrysene	16	U	350	16	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	13	U	350	13	ug/Kg
117-84-0	Di-n-octyl phthalate	4.1	U	350	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	12	U	350	12	ug/Kg
207-08-9	Benzo(k)fluoranthene	17	U	350	17	ug/Kg
50-32-8	Benzo(a)pyrene	7.7	U	350	7.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	350	12	ug/Kg
53-70-3	Dibenz(a,h)anthracene	10	U	350	10	ug/Kg
191-24-2	Benzo(g,h,i)perylene	14	U	350	14	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.72		56%	23 - 104	SPK: 150
13127-88-3	Phenol-d5	99.06		66%	29 - 104	SPK: 150
4165-60-0	Nitrobenzene-d5	65.54		66%	28 - 110	SPK: 100
321-60-8	2-Fluorobiphenyl	67.82		68%	32 - 109	SPK: 100
118-79-6	2,4,6-Tribromophenol	105.57		70%	24 - 112	SPK: 150
1718-51-0	Terphenyl-d14	88.31		88%	30 - 150	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145586	5.07			
1146-65-2	Naphthalene-d8	609447	6.52			
15067-26-2	Acenaphthene-d10	286035	8.64			
1517-22-2	Phenanthrene-d10	401703	10.46			
1719-03-5	Chrysene-d12	298022	13.71			

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	FILL_1	SDG No.:	A2102
Lab Sample ID:	A2102-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027052.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
1520-96-3	Perylene-d12	261478	15.72			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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Hit Summary Sheet
SW-846

SDG No.: A2102

Client: C.T. Male & Associates

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID :	TOPSOIL_1							
A2102-01	TOPSOIL_1	SOIL	Fluoranthene	50.0	J	390	7.9	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Pyrene	61.0	J	390	9.4	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(a)anthracene	39.0	J	390	19	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Chrysene	61.0	J	390	18	ug/Kg
A2102-01	TOPSOIL_1	SOIL	bis(2-Ethylhexyl)phthalate	140.0	J	390	14	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(b)fluoranthene	76.0	J	390	13	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(k)fluoranthene	42.0	J	390	18	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(a)pyrene	45.0	J	390	8.5	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(g,h,i)perylene	51.0	J	390	16	ug/Kg
			Total Concentration:	**565.00**				
Client ID :	TOPSOIL_1RE							
A2102-01RE	TOPSOIL_1RE	SOIL	Fluoranthene	53.0	J	390	7.9	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Pyrene	72.0	J	390	9.4	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Chrysene	52.0	J	390	18	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	bis(2-Ethylhexyl)phthalate	150.0	J	390	14	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(b)fluoranthene	70.0	J	390	13	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(k)fluoranthene	41.0	J	390	18	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(a)pyrene	47.0	J	390	8.5	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(g,h,i)perylene	61.0	J	390	16	ug/Kg
			Total Concentration:	**546.00**				

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284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			SVOC-TCL BNA	8270		04/02/09	04/03/09	
A2102-01RE	**TOPSOIL_1RE**	**SOIL**			**03/31/09**			**04/01/09**
			SVOC-TCL BNA	8270		04/02/09	04/04/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			SVOC-TCL BNA	8270		04/02/09	04/03/09	

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	TOPSOIL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-01	**Matrix:**	SOIL
Analytical Method:	8081	**% Moisture:**	15
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P7034554.D	1	4/2/2009	4/3/2009	P7033109

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.15	U	2.0	0.15	ug/Kg
319-85-7	beta-BHC	0.21	U	2.0	0.21	ug/Kg
319-86-8	delta-BHC	0.12	U	2.0	0.12	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.18	U	2.0	0.18	ug/Kg
76-44-8	Heptachlor	0.16	U	2.0	0.16	ug/Kg
309-00-2	Aldrin	0.12	U	2.0	0.12	ug/Kg
1024-57-3	Heptachlor epoxide	0.19	U	2.0	0.19	ug/Kg
959-98-8	Endosulfan I	0.18	U	2.0	0.18	ug/Kg
60-57-1	Dieldrin	0.15	U	2.0	0.15	ug/Kg
72-55-9	4,4'-DDE	0.23	U	2.0	0.23	ug/Kg
72-20-8	Endrin	0.21	U	2.0	0.21	ug/Kg
33213-65-9	Endosulfan II	0.16	U	2.0	0.16	ug/Kg
72-54-8	4,4'-DDD	0.20	U	2.0	0.20	ug/Kg
1031-07-8	Endosulfan sulfate	0.18	U	2.0	0.18	ug/Kg
50-29-3	4,4'-DDT	0.16	U	2.0	0.16	ug/Kg
72-43-5	Methoxychlor	0.20	U	2.0	0.20	ug/Kg
53494-70-5	Endrin ketone	0.15	U	2.0	0.15	ug/Kg
7421-93-4	Endrin aldehyde	0.18	U	2.0	0.18	ug/Kg
5103-71-9	alpha-Chlordane	0.16	U	2.0	0.16	ug/Kg
5103-74-2	gamma-Chlordane	0.15	U	2.0	0.15	ug/Kg
8001-35-2	Toxaphene	11	U	20	11	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.94	70 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	12.21	61 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	FILL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-02	**Matrix:**	SOIL
Analytical Method:	8081	**% Moisture:**	7
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P7034555.D	1	4/2/2009	4/3/2009	P7033109

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.14	U	1.8	0.14	ug/Kg
319-85-7	beta-BHC	0.19	U	1.8	0.19	ug/Kg
319-86-8	delta-BHC	0.11	U	1.8	0.11	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.16	U	1.8	0.16	ug/Kg
76-44-8	Heptachlor	0.15	U	1.8	0.15	ug/Kg
309-00-2	Aldrin	0.11	U	1.8	0.11	ug/Kg
1024-57-3	Heptachlor epoxide	0.17	U	1.8	0.17	ug/Kg
959-98-8	Endosulfan I	0.16	U	1.8	0.16	ug/Kg
60-57-1	Dieldrin	0.14	U	1.8	0.14	ug/Kg
72-55-9	4,4'-DDE	0.21	U	1.8	0.21	ug/Kg
72-20-8	Endrin	0.19	U	1.8	0.19	ug/Kg
33213-65-9	Endosulfan II	0.15	U	1.8	0.15	ug/Kg
72-54-8	4,4'-DDD	0.18	U	1.8	0.18	ug/Kg
1031-07-8	Endosulfan sulfate	0.16	U	1.8	0.16	ug/Kg
50-29-3	4,4'-DDT	0.15	U	1.8	0.15	ug/Kg
72-43-5	Methoxychlor	0.18	U	1.8	0.18	ug/Kg
53494-70-5	Endrin ketone	0.14	U	1.8	0.14	ug/Kg
7421-93-4	Endrin aldehyde	0.16	U	1.8	0.16	ug/Kg
5103-71-9	alpha-Chlordane	0.15	U	1.8	0.15	ug/Kg
5103-74-2	gamma-Chlordane	0.14	U	1.8	0.14	ug/Kg
8001-35-2	Toxaphene	10	U	18	10	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.68	88 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	19.15	96 %	30 - 158		SPK: 20

U = Not Detected
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E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

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LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Pesticide-TCL	8081		04/02/09	04/03/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Pesticide-TCL	8081		04/02/09	04/03/09	

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	TOPSOIL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-01	**Matrix:**	SOIL
Analytical Method:	8082	**% Moisture:**	15
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P6024647.D	1	4/2/2009	4/4/2009	P6040309

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	4.4	U	20	4.4	ug/Kg
11104-28-2	AROCLOR 1221	5.3	U	20	5.3	ug/Kg
11141-16-5	AROCLOR 1232	5.6	U	20	5.6	ug/Kg
53469-21-9	AROCLOR 1242	2.5	U	20	2.5	ug/Kg
12672-29-6	AROCLOR 1248	5.4	U	20	5.4	ug/Kg
11097-69-1	AROCLOR 1254	5.5	U	20	5.5	ug/Kg
11096-82-5	AROCLOR 1260	4.4	U	20	4.4	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.51	68 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	10.01	50 %	34 - 145		SPK: 20

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B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	3/31/2009
Project:	Remediation - Dix Ave	Date Received:	4/1/2009
Client Sample ID:	FILL 1	SDG No.:	A2102
Lab Sample ID:	A2102-02	Matrix:	SOIL
Analytical Method:	8082	% Moisture:	7
Sample Wt/Vol:	15 g	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P6024648.D	1	4/2/2009	4/4/2009	P6040309

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	4.0	U	18	4.0	ug/Kg
11104-28-2	AROCLOR 1221	4.9	U	18	4.9	ug/Kg
11141-16-5	AROCLOR 1232	5.1	U	18	5.1	ug/Kg
53469-21-9	AROCLOR 1242	2.3	U	18	2.3	ug/Kg
12672-29-6	AROCLOR 1248	4.9	U	18	4.9	ug/Kg
11097-69-1	AROCLOR 1254	5.0	U	18	5.0	ug/Kg
11096-82-5	AROCLOR 1260	4.0	U	18	4.0	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.32	97 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	18.16	91 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			PCB	8082		04/02/09	04/04/09	
			Pesticide-TCL	8081		04/02/09	04/03/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			PCB	8082		04/02/09	04/04/09	
			Pesticide-TCL	8081		04/02/09	04/03/09	

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	FILL_1	**SDG No.:**	A2102
Lab Sample ID:	A2102-02	**Matrix:**	SOIL
		% Solids:	93.30

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7429-90-5	Aluminum	1890		mg/Kg	0.60	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-36-0	Antimony	0.40	U	mg/Kg	0.40	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-38-2	Arsenic	0.37	J	mg/Kg	0.24	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-39-3	Barium	23.9		mg/Kg	0.29	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-41-7	Beryllium	0.17	J	mg/Kg	0.04	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-43-9	Cadmium	0.20	J	mg/Kg	0.04	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-70-2	Calcium	42200		mg/Kg	0.76	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-47-3	Chromium	3.270		mg/Kg	0.09	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-48-4	Cobalt	3.930		mg/Kg	0.41	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-50-8	Copper	6.940		mg/Kg	0.23	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-89-6	Iron	6760		mg/Kg	0.95	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-92-1	Lead	3.270		mg/Kg	0.28	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-95-4	Magnesium	9400		mg/Kg	3.270	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-96-5	Manganese	407		mg/Kg	0.14	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-97-6	Mercury	0.005	J	mg/Kg	0.002	1	4/2/2009	4/2/2009	EPA SW-846 7471
7440-02-0	Nickel	6.460		mg/Kg	0.33	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-09-7	Potassium	293		mg/Kg	2.500	1	4/2/2009	4/2/2009	EPA SW-846 6010
7782-49-2	Selenium	0.68	J	mg/Kg	0.29	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-22-4	Silver	0.11	U	mg/Kg	0.11	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-23-5	Sodium	64.3	J	mg/Kg	1.800	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-28-0	Thallium	0.19	U	mg/Kg	0.19	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-62-2	Vanadium	8.740		mg/Kg	0.42	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-66-6	Zinc	15.0		mg/Kg	0.50	1	4/2/2009	4/2/2009	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**3/31/2009**
Project:	**Remediation - Dix Ave**	**Date Received:**	**4/1/2009**
Client Sample ID:	**TOPSOIL_1**	**SDG No.:**	**A2102**
Lab Sample ID:	**A2102-01**	**Matrix:**	**SOIL**
		% Solids:	**85.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7429-90-5	Aluminum	5830		mg/Kg	0.66	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-36-0	Antimony	0.50	J	mg/Kg	0.44	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-38-2	Arsenic	0.92		mg/Kg	0.26	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-39-3	Barium	50.9		mg/Kg	0.31	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-41-7	Beryllium	0.28		mg/Kg	0.05	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-43-9	Cadmium	0.33		mg/Kg	0.05	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-70-2	Calcium	16300		mg/Kg	0.84	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-47-3	Chromium	9.170		mg/Kg	0.10	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-48-4	Cobalt	4.750		mg/Kg	0.45	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-50-8	Copper	41.5		mg/Kg	0.25	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-89-6	Iron	10600		mg/Kg	1.040	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-92-1	Lead	13.6		mg/Kg	0.31	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-95-4	Magnesium	4440		mg/Kg	3.590	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-96-5	Manganese	302		mg/Kg	0.15	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-97-6	Mercury	0.057		mg/Kg	0.002	1	4/2/2009	4/2/2009	EPA SW-846 7471
7440-02-0	Nickel	9.950		mg/Kg	0.36	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-09-7	Potassium	507		mg/Kg	2.750	1	4/2/2009	4/2/2009	EPA SW-846 6010
7782-49-2	Selenium	1.810		mg/Kg	0.32	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-22-4	Silver	0.31	J	mg/Kg	0.12	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-23-5	Sodium	109		mg/Kg	1.980	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-28-0	Thallium	0.21	U	mg/Kg	0.21	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-62-2	Vanadium	14.1		mg/Kg	0.46	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-66-6	Zinc	73.2		mg/Kg	0.55	1	4/2/2009	4/2/2009	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

Hit Summary Sheet
SW-846

SDG No.: A2102 Order ID: A2102

Client: C.T. Male & Associates Project ID: Remediation - Dix Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	TOPSOIL 1							
A2102-01	TOPSOIL 1	SOIL	Aluminum	5830		3.920	0.66	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Antimony	0.50	J	1.960	0.44	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Arsenic	0.92		0.78	0.26	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Barium	50.9		3.920	0.31	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Beryllium	0.28		0.24	0.05	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Cadmium	0.33		0.24	0.05	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Calcium	16300		78.4	0.84	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Chromium	9.170		0.39	0.10	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Cobalt	4.750		1.180	0.45	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Copper	41.5		0.78	0.25	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Iron	10600		3.920	1.040	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Lead	13.6		0.47	0.31	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Magnesium	4440		78.4	3.590	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Manganese	302		0.78	0.15	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Mercury	0.057		0.012	0.002	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Nickel	9.950		1.570	0.36	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Potassium	507		78.4	2.750	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Selenium	1.810		0.78	0.32	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Silver	0.31	J	0.39	0.12	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Sodium	109		78.4	1.980	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Vanadium	14.1		1.570	0.46	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Zinc	73.2		1.570	0.55	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: A2102 Order ID: A2102

Client: C.T. Male & Associates Project ID: Remediation - Dix Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	FILL 1							
A2102-02	FILL 1	SOIL	Aluminum	1890		3.570	0.60	mg/Kg
A2102-02	FILL 1	SOIL	Arsenic	0.37	J	0.71	0.24	mg/Kg
A2102-02	FILL 1	SOIL	Barium	23.9		3.570	0.29	mg/Kg
A2102-02	FILL 1	SOIL	Beryllium	0.17	J	0.21	0.04	mg/Kg
A2102-02	FILL 1	SOIL	Cadmium	0.20	J	0.21	0.04	mg/Kg
A2102-02	FILL 1	SOIL	Calcium	42200		71.5	0.76	mg/Kg
A2102-02	FILL 1	SOIL	Chromium	3.270		0.36	0.09	mg/Kg
A2102-02	FILL 1	SOIL	Cobalt	3.930		1.070	0.41	mg/Kg
A2102-02	FILL 1	SOIL	Copper	6.940		0.71	0.23	mg/Kg
A2102-02	FILL 1	SOIL	Iron	6760		3.570	0.95	mg/Kg
A2102-02	FILL 1	SOIL	Lead	3.270		0.43	0.28	mg/Kg
A2102-02	FILL 1	SOIL	Magnesium	9400		71.5	3.270	mg/Kg
A2102-02	FILL 1	SOIL	Manganese	407		0.71	0.14	mg/Kg
A2102-02	FILL 1	SOIL	Mercury	0.005	J	0.011	0.002	mg/Kg
A2102-02	FILL 1	SOIL	Nickel	6.460		1.430	0.33	mg/Kg
A2102-02	FILL 1	SOIL	Potassium	293		71.5	2.500	mg/Kg
A2102-02	FILL 1	SOIL	Selenium	0.68	J	0.71	0.29	mg/Kg
A2102-02	FILL 1	SOIL	Sodium	64.3	J	71.5	1.800	mg/Kg
A2102-02	FILL 1	SOIL	Vanadium	8.740		1.430	0.42	mg/Kg
A2102-02	FILL 1	SOIL	Zinc	15.0		1.430	0.50	mg/Kg

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Mercury	7471		04/02/09	04/02/09	
			Metals ICP-TAL	6010		04/02/09	04/02/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Mercury	7471		04/02/09	04/02/09	
			Metals ICP-TAL	6010		04/02/09	04/02/09	

END OF ANALYTICAL RESULTS

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	C.T. Male & Associates	Date Collected :	03/31/09
Project Id :	Remediation - Dix Ave	Date Received :	04/01/09
Test :	Cyanide	Lab Sample ID :	A2321-01
SDG ID :	A2321	Customer Sample No. :	TOPSOIL_1 Solid
% Moisture :	15	Analytical Method :	9012 Cyanide
DataFile :	lb43879.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.588	0.588	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	C.T. Male & Associates	Date Collected :	03/31/09
Project Id :	Remediation - Dix Ave	Date Received :	04/01/09
Test :	Cyanide	Lab Sample ID :	A2321-02
SDG ID :	A2321	Customer Sample No. :	FILL_1
% Moisture :	6.699997	Analytical Method :	9012 Cyanide
DataFile :	lb43879.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.536	0.536	1	

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Page

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Project #: A2321
4/16/2009 1:03:44 PM
End Of Report

TOPSOIL ANALYTICAL RESULTS

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

April 20, 2009

Mr. Michael McLean, P.E.
NYSDEC
1115 NYS Route 86
PO Box 296
Ray Brook, New York 12977-0296

RE: Backfill Analytical Results
Former Dix Avenue Drive-In Theater
ERP No. B001515

Dear Mr. McLean:

Attached please find the analytical summary results for characterization samples collected of both general fill and topsoil to be used as backfill for the PCB-impacted soil remediation at the above referenced site.

One composite sample each was collected of general fill obtained from the Town of Kingsbury's virgin source located on Tripoli Road in the Town of Fort Ann, and from topsoil that was produced from three parts of the above referenced virgin fill and one part compost obtained from the Washington County Regional Biosolids Composting facility. The samples were collected in laboratory provided sampling jars and forwarded to Chemtech for analysis for TCL VOCs, SVOCs, Pesticides and PCBs, and TAL Metals and Cyanide.

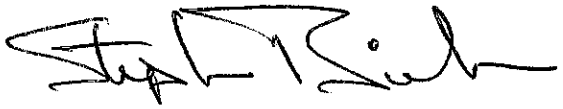
The attached analytical summary results table and full laboratory analytical results show all of the analyzed compounds and analytes at concentrations below Part 375 SCOs for Unrestricted Use sites, with calcium and magnesium detected above their respective Eastern USA Background values. Part 375 does not have reference standards for calcium and magnesium.

Based on the analytical results, C.T. Male Associates, P.C., on behalf of the Town of Kingsbury, is requesting DEC permission to use the above referenced Town supplied general fill and topsoil as backfill material for the PCB-impacted soil remediation.

Please contact me should you require further information.

Respectfully,

C.T. MALE ASSOCIATES, P.C.



Stephen Bieber
Environmental Scientist

Attachments

C: James Lindsey, Supervisor
Town of Kingsbury
210 Main Street
Hudson Falls, New York 12839

Mathew F. Fuller, Esq.
Fitzgerald, Morris, Baker, Firth, P.C.
3019 State Route 4
Hudson Falls, New York 12839

Kirk Moline, C.T. Male

TOPSOIL AND GENERAL FILL ANALYTICAL RESULTS SUMMARY
FORMER DIX AVENUE DRIVE-IN THEATER ERP SITE
(Unvalidated Data)
C.T. Male Project No. 07.7412

PARAMETER	Part 375 Unrestricted Use SCOs[1] (mg/kg)	Eastern USA Background[2] (mg/kg)	Topsoil 1 mg/kg		Fill 1 mg/kg	
			Result	Qualifier	Result	Qualifier
Volatile Organic Compounds						
Toluene	0.7	NA	0.006	U	0.041	
Semi-Volatile Organic Compounds						
Benzo(a)anthracene	1	NA	0.039	J	0.019	U
Fluoranthene	100	NA	0.05	J	0.053	J
Pyrene	100	NA	0.061	J	0.072	J
Chrysene	1	NA	0.061	J	0.052	J
bis(2-Ethylhexyl)phthalate	NS	NA	0.14	J	0.15	J
Benzo(b)fluoranthene	1	NA	0.076	J	0.07	J
Benzo(k)fluoranthene	0.8	NA	0.042	J	0.041	J
Benzo(a)pyrene	1	NA	0.045	J	0.047	J
Benzo(g,h,i)perylene	100	NA	0.051	J	0.061	J
Pesticides (None Detected Above the Laboratory Detection Limit)						
PCBs (None Detected Above the Laboratory Detection Limit)						
Metals						
Aluminum	NS	33,000	5830		1890	
Antimony	NS	NA	0.5	J	0.4	U
Arsenic	13	3 - 12	0.92		0.37	J
Barium	350	15 - 1600	50.9		23.9	
Beryllium	7.2	0 - 1.75	0.28		0.17	J
Cadmium	2.5	0.1 - 1	0.33		0.2	J
Calcium	NS	130 - 35,000	16,300		42,200	
Chromium	30	1.5 - 40	9.17		3.27	
Cobalt	NS	2.5 - 60	4.75		3.93	
Copper	50	1 - 50	41.5		6.94	
Iron	NS	2000 - 550,000	10,600		6760	
Lead	63	NA	13.6		3.27	
Magnesium	NS	100 - 5000	4440		9400	
Manganese	1,600	50 - 5000	302		407	
Mercury	0.18	0.001 - 0.2	0.057		0.005	J
Nickel	30	0.5 - 25	9.95		6.46	
Potassium	NS	8500 - 43,000	507		293	
Selenium	3.9	0.1 - 3.9	1.81		0.68	J
Silver	2	NA	0.31	J	0.11	U
Sodium	NS	6000 - 8000	109		64.3	J
Vanadium	NS	1 - 300	14.1		8.74	
Zinc	109	9 - 50	73.2		15	

Qualifiers and Notes
(1) NYSDEC 6 NYCRR PART 375 Environmental Remediation Programs, Subpart 375-6, Dated December 14, 2006
(2) NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Determination of Soil Cleanup Objectives, Eastern USA or NYS Background, Dated Jan. 24, 1994.
Concentrations denoted in mg/kg or parts per million (ppm)
U indicates that the compound was analyzed but not detected
J indicates and estimated value
NS denotes "No Standard"
NA denotes "Not Applicable"

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : A2102

Project ID : Remediation - Dix Ave

Client : C.T. Male & Associates

Lab Sample Number	Client Sample Number
A2102-01	TOPSOIL_1
A2102-02	FILL_1
A2102-03	TOPSOIL_2

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes
I am approving this document
2009.04.14 14:46:42 -04'00'

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. A2102
QUOTE NO.
COC Number 076787

CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: CT Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Steve Bieber
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT PROJECT INFORMATION
PROJECT NAME: Dix Ave Drive-In
PROJECT NO.: 07.7412 LOCATION: Kingsbury
PROJECT MANAGER: Steve Bieber
e-mail: s.bieber@ctmale.com
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT BILLING INFORMATION
BILL TO: Steve Bieber PO#: 07.7412
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION
FAX: _____ DAYS *
HARD COPY: Standard TAT DAYS *
EDD: _____ DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☒ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS
1 TCL VOCs
2 TCL SVOCs
3 TCL PESTs
4 TCL PCBs
5 TAL Metals
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Topsoil #1	Soil	X		3/31/09	0810	2	E ✓	E ✓	E ✓	E ✓	E ✓					
2.	Fill #1	↓	X		↓	0840	2	✓	✓	✓	✓	✓					
3.	Topsoil #2	↓	X		↓	0820	2	✓	✓	✓	✓	✓					* Hold *
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Preservatives: A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/31/09 1100	
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. UPS-RS	4.1.09 11:05	3. CHRISTOPHER GREB

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 4°C
Ice in Cooler?: YES

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☒ OVERNIGHT
Shipment Complete: ☒ YES ☐ NO

3

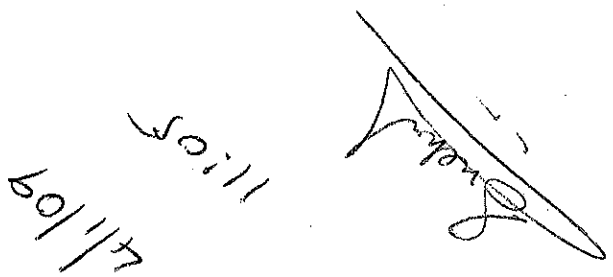
UPS CampusShip: View/Print Label

1. **Ensure that there are no other tracking labels attached to your package.**

2. **Fold the printed label at the dotted line.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers without a Daily Pickup
   - Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   - Hand the package to any UPS driver in your area.
   - Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot® or Staples®) or Authorized Shipping Outlet near you. Items sent via UPS Return Services℠ (including via Ground) are accepted at Drop Boxes.
   - To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

   Customers with a Daily Pickup
   - Your driver will pickup your shipment(s) as usual.



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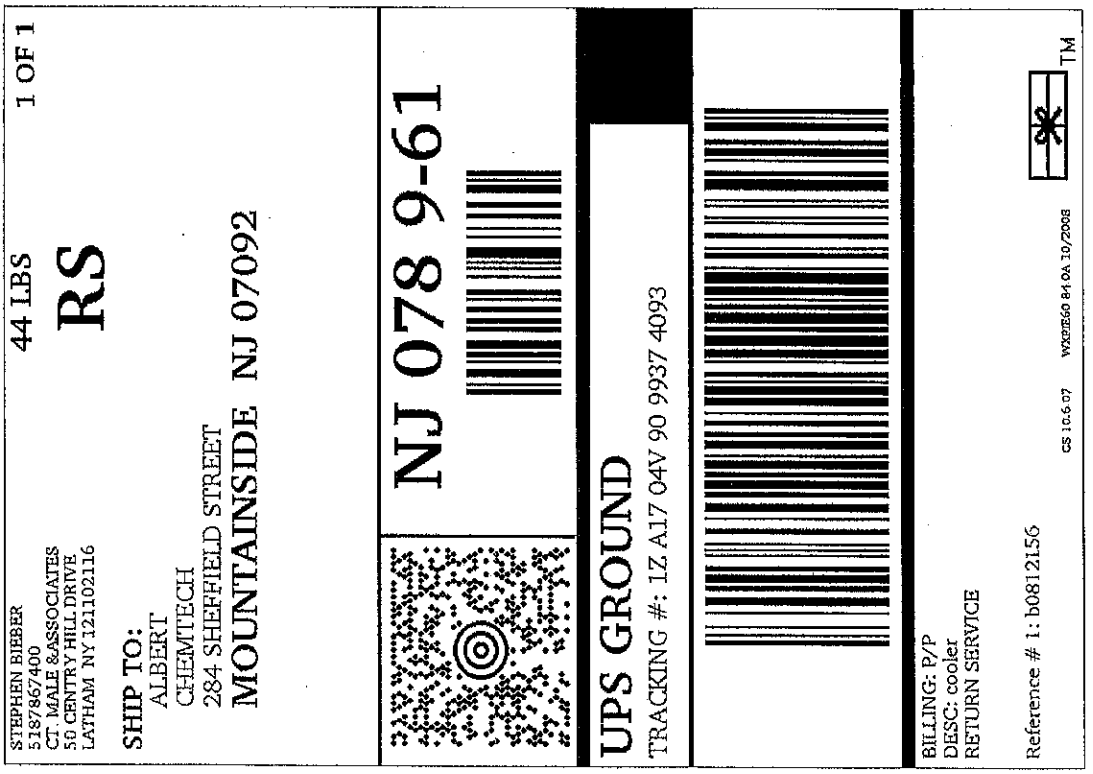

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-789-8900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Maryland	296
Massachusetts	M-NJ503
Maine	NJ0503
Oklahoma	9705
Pennsylvania	68-548
Rhode Island	LAO00259

QA Control Code: A2070148

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ORGANIC

DATA REPORTING QUALIFIERS

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

Inorganic

DATA REPORTING QUALIFIERS

For reporting results, the following " Results Qualifiers" are used:

J	If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	If the analyte was analyzed for, but not detected.
E	The reported value is estimated because of the presence of interference
M	Duplicate injection precision not met.
N	Spiked sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while absorbance is less that 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.
***	Entering "S", "W " or " +" is mutually exclusive. NO combination of these qualifiers can appear in the same field for an analyte.
D	The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "A" for Flame AA "PM" for ICP when Microwave Digestion is used "AM" for flame AA when Microwave Digestion is used "FM" for furnace AA when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: A2102

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	
All runlogs reviewed for manual integration requirements	

1st Level QA Review Signature: Krina Yagnik Date: 04/14/2009

2nd Level QA Review Signature: Mildred V Reyes Mildred V. Reyes I am approving this document 2009.04.14 16:46:12 -04'00' Date:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**3/31/2009**
Project:	**Remediation - Dix Ave**	**Date Received:**	**4/1/2009**
Client Sample ID:	**TOPSOIL 1**	**SDG No.:**	**A2102**
Lab Sample ID:	**A2102-01**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**15**
Sample Wt/Vol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017001.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.8	U	29	3.8	ug/Kg
74-87-3	Chloromethane	5.1	U	29	5.1	ug/Kg
75-01-4	Vinyl chloride	7.2	U	29	7.2	ug/Kg
74-83-9	Bromomethane	14	U	29	14	ug/Kg
75-00-3	Chloroethane	8.2	U	29	8.2	ug/Kg
75-69-4	Trichlorofluoromethane	7.8	U	29	7.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.8	U	29	7.8	ug/Kg
75-35-4	1,1-Dichloroethene	8.6	U	29	8.6	ug/Kg
67-64-1	Acetone	18	U	150	18	ug/Kg
75-15-0	Carbon disulfide	6.2	U	29	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.6	U	29	5.6	ug/Kg
79-20-9	Methyl Acetate	8.9	U	29	8.9	ug/Kg
75-09-2	Methylene Chloride	8.4	U	29	8.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.1	U	29	4.1	ug/Kg
75-34-3	1,1-Dichloroethane	5.5	U	29	5.5	ug/Kg
110-82-7	Cyclohexane	5.9	U	29	5.9	ug/Kg
78-93-3	2-Butanone	18	U	150	18	ug/Kg
56-23-5	Carbon Tetrachloride	5.8	U	29	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.2	U	29	5.2	ug/Kg
67-66-3	Chloroform	4.4	U	29	4.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.2	U	29	5.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	29	6.2	ug/Kg
71-43-2	Benzene	2.2	U	29	2.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.8	U	29	3.8	ug/Kg
79-01-6	Trichloroethene	5.1	U	29	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.5	U	29	1.5	ug/Kg
75-27-4	Bromodichloromethane	3.6	U	29	3.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	150	17	ug/Kg
108-88-3	Toluene	3.8	U	29	3.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.6	U	29	4.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.2	U	29	4.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.3	U	29	5.3	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	TOPSOIL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-01	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	15
Sample Wt/Vol:	1.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017001.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	23	U	150	23	ug/Kg
124-48-1	Dibromochloromethane	3.2	U	29	3.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.8	U	29	3.8	ug/Kg
127-18-4	Tetrachloroethene	5.9	U	29	5.9	ug/Kg
108-90-7	Chlorobenzene	2.9	U	29	2.9	ug/Kg
100-41-4	Ethyl Benzene	3.6	U	29	3.6	ug/Kg
179601-23-1	m/p-Xylenes	4.2	U	59	4.2	ug/Kg
95-47-6	o-Xylene	4.0	U	29	4.0	ug/Kg
100-42-5	Styrene	2.6	U	29	2.6	ug/Kg
75-25-2	Bromoform	4.4	U	29	4.4	ug/Kg
98-82-8	Isopropylbenzene	2.8	U	29	2.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	29	2.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.2	U	29	2.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.4	U	29	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.6	U	29	3.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.1	U	29	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.1	U	29	4.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.29	99 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	49.58	99 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	48.2	96 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	42.04	84 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	916325	2.73			
540-36-3	1,4-Difluorobenzene	1516224	3.08			
3114-55-4	Chlorobenzene-d5	1148448	5.69			
3855-82-1	1,4-Dichlorobenzene-d4	415362	8.00			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	FILL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	7
Sample Wt/Vol:	1.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017004.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	3.5	U	27	3.5	ug/Kg
74-87-3	Chloromethane	4.6	U	27	4.6	ug/Kg
75-01-4	Vinyl chloride	6.6	U	27	6.6	ug/Kg
74-83-9	Bromomethane	13	U	27	13	ug/Kg
75-00-3	Chloroethane	7.5	U	27	7.5	ug/Kg
75-69-4	Trichlorofluoromethane	7.1	U	27	7.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	7.2	U	27	7.2	ug/Kg
75-35-4	1,1-Dichloroethene	7.9	U	27	7.9	ug/Kg
67-64-1	Acetone	16	U	130	16	ug/Kg
75-15-0	Carbon disulfide	5.7	U	27	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.2	U	27	5.2	ug/Kg
79-20-9	Methyl Acetate	8.1	U	27	8.1	ug/Kg
75-09-2	Methylene Chloride	7.6	U	27	7.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.7	U	27	3.7	ug/Kg
75-34-3	1,1-Dichloroethane	5.1	U	27	5.1	ug/Kg
110-82-7	Cyclohexane	5.4	U	27	5.4	ug/Kg
78-93-3	2-Butanone	17	U	130	17	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	27	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.8	U	27	4.8	ug/Kg
67-66-3	Chloroform	4.0	U	27	4.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.7	U	27	4.7	ug/Kg
108-87-2	Methylcyclohexane	5.7	U	27	5.7	ug/Kg
71-43-2	Benzene	2.0	U	27	2.0	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	27	3.4	ug/Kg
79-01-6	Trichloroethene	4.6	U	27	4.6	ug/Kg
78-87-5	1,2-Dichloropropane	1.4	U	27	1.4	ug/Kg
75-27-4	Bromodichloromethane	3.3	U	27	3.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	130	16	ug/Kg
108-88-3	Toluene	41		27	3.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.2	U	27	4.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.9	U	27	3.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.8	U	27	4.8	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**3/31/2009**
Project:	**Remediation - Dix Ave**	**Date Received:**	**4/1/2009**
Client Sample ID:	**FILL 1**	**SDG No.:**	**A2102**
Lab Sample ID:	**A2102-02**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**7**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF017004.D	1	4/6/2009	VF040409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	21	U	130	21	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	27	2.9	ug/Kg
106-93-4	1,2-Dibromoethane	3.4	U	27	3.4	ug/Kg
127-18-4	Tetrachloroethene	5.4	U	27	5.4	ug/Kg
108-90-7	Chlorobenzene	2.7	U	27	2.7	ug/Kg
100-41-4	Ethyl Benzene	3.3	U	27	3.3	ug/Kg
179601-23-1	m/p-Xylenes	3.9	U	54	3.9	ug/Kg
95-47-6	o-Xylene	3.7	U	27	3.7	ug/Kg
100-42-5	Styrene	2.4	U	27	2.4	ug/Kg
75-25-2	Bromoform	4.0	U	27	4.0	ug/Kg
98-82-8	Isopropylbenzene	2.6	U	27	2.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	27	2.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.0	U	27	2.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.2	U	27	2.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.3	U	27	3.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.7	U	27	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.8	U	27	3.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.33	95 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	49.33	99 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	49.01	98 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	46.35	93 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1354003	2.72			
540-36-3	1,4-Difluorobenzene	2262095	3.08			
3114-55-4	Chlorobenzene-d5	1792526	5.69			
3855-82-1	1,4-Dichlorobenzene-d4	740560	7.99			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: A2102 Order ID: A2102

Client: C.T. Male & Associates Project ID: CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	FILL 1							
A2102-02	FILL 1	SOIL	Toluene	41		27	3.4	ug/Kg
			Total VOC's:	41.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	41.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

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LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			VOC-TCL	8260			04/06/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			VOC-TCL	8260			04/06/09	

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1	SDG No.:	A2102
Lab Sample ID:	A2102-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027061.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	20	U	390	20	ug/Kg
108-95-2	Phenol	9	U	390	9	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	19	U	390	19	ug/Kg
95-57-8	2-Chlorophenol	21	U	390	21	ug/Kg
95-48-7	2-Methylphenol	21	U	390	21	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	16	U	390	16	ug/Kg
98-86-2	Acetophenone	12	U	390	12	ug/Kg
65794-96-9	3+4-Methylphenols	20	U	390	20	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	20	U	390	20	ug/Kg
67-72-1	Hexachloroethane	17	U	390	17	ug/Kg
98-95-3	Nitrobenzene	15	U	390	15	ug/Kg
78-59-1	Isophorone	13	U	390	13	ug/Kg
88-75-5	2-Nitrophenol	19	U	390	19	ug/Kg
105-67-9	2,4-Dimethylphenol	22	U	390	22	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	23	U	390	23	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	390	15	ug/Kg
91-20-3	Naphthalene	14	U	390	14	ug/Kg
106-47-8	4-Chloroaniline	28	U	390	28	ug/Kg
87-68-3	Hexachlorobutadiene	14	U	390	14	ug/Kg
105-60-2	Caprolactam	18	U	390	18	ug/Kg
59-50-7	4-Chloro-3-methylphenol	17	U	390	17	ug/Kg
91-57-6	2-Methylnaphthalene	9.9	U	390	9.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.5	U	390	9.5	ug/Kg
88-06-2	2,4,6-Trichlorophenol	12	U	390	12	ug/Kg
95-95-4	2,4,5-Trichlorophenol	27	U	390	27	ug/Kg
92-52-4	1,1-Biphenyl	15	U	390	15	ug/Kg
91-58-7	2-Chloronaphthalene	8.9	U	390	8.9	ug/Kg
88-74-4	2-Nitroaniline	17	U	390	17	ug/Kg
131-11-3	Dimethylphthalate	11	U	390	11	ug/Kg
208-96-8	Acenaphthylene	9.9	U	390	9.9	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	390	16	ug/Kg
99-09-2	3-Nitroaniline	25	U	390	25	ug/Kg
83-32-9	Acenaphthene	11	U	390	11	ug/Kg
51-28-5	2,4-Dinitrophenol	40	U	390	40	ug/Kg
100-02-7	4-Nitrophenol	73	U	390	73	ug/Kg
132-64-9	Dibenzofuran	15	U	390	15	ug/Kg
121-14-2	2,4-Dinitrotoluene	12	U	390	12	ug/Kg
84-66-2	Diethylphthalate	6.1	U	390	6.1	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	21	U	390	21	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1	SDG No.:	A2102
Lab Sample ID:	A2102-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027061.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
86-73-7	Fluorene	15	U	390	15	ug/Kg
100-01-6	4-Nitroaniline	51	U	390	51	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	22	U	390	22	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.4	U	390	9.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	7.6	U	390	7.6	ug/Kg
118-74-1	Hexachlorobenzene	16	U	390	16	ug/Kg
1912-24-9	Atrazine	21	U	390	21	ug/Kg
87-86-5	Pentachlorophenol	27	U	390	27	ug/Kg
85-01-8	Phenanthrene	11	U	390	11	ug/Kg
120-12-7	Anthracene	8	U	390	8	ug/Kg
86-74-8	Carbazole	8.6	U	390	8.6	ug/Kg
84-74-2	Di-n-butylphthalate	31	U	390	31	ug/Kg
206-44-0	Fluoranthene	50	J	390	7.9	ug/Kg
129-00-0	Pyrene	61	J	390	9.4	ug/Kg
85-68-7	Butylbenzylphthalate	19	U	390	19	ug/Kg
91-94-1	3,3-Dichlorobenzidine	25	U	390	25	ug/Kg
56-55-3	Benzo(a)anthracene	39	J	390	19	ug/Kg
218-01-9	Chrysene	61	J	390	18	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	140	J	390	14	ug/Kg
117-84-0	Di-n-octyl phthalate	4.5	U	390	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	76	J	390	13	ug/Kg
207-08-9	Benzo(k)fluoranthene	42	J	390	18	ug/Kg
50-32-8	Benzo(a)pyrene	45	J	390	8.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13	U	390	13	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	390	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51	J	390	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	100.09		67%	23 - 104	SPK: 150
13127-88-3	Phenol-d5	112.79		75%	29 - 104	SPK: 150
4165-60-0	Nitrobenzene-d5	74.46		74%	28 - 110	SPK: 100
321-60-8	2-Fluorobiphenyl	63.69		64%	32 - 109	SPK: 100
118-79-6	2,4,6-Tribromophenol	123.01		82%	24 - 112	SPK: 150
1718-51-0	Terphenyl-d14	101.07		101%	30 - 150	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132164	5.07			
1146-65-2	Naphthalene-d8	533595	6.52			
15067-26-2	Acenaphthene-d10	232124	8.64			
1517-22-2	Phenanthrene-d10	306466	10.46			
1719-03-5	Chrysene-d12	188359	13.71			

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1	SDG No.:	A2102
Lab Sample ID:	A2102-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027061.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
1520-96-3	Perylene-d12	116891	15.72			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1RE	SDG No.:	BF040409
Lab Sample ID:	A2102-01RE	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027093.D	1	04/02/09	04/04/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	20	U	390	20	ug/Kg
108-95-2	Phenol	9	U	390	9	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	19	U	390	19	ug/Kg
95-57-8	2-Chlorophenol	21	U	390	21	ug/Kg
95-48-7	2-Methylphenol	21	U	390	21	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	16	U	390	16	ug/Kg
98-86-2	Acetophenone	12	U	390	12	ug/Kg
65794-96-9	3+4-Methylphenols	20	U	390	20	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	20	U	390	20	ug/Kg
67-72-1	Hexachloroethane	17	U	390	17	ug/Kg
98-95-3	Nitrobenzene	15	U	390	15	ug/Kg
78-59-1	Isophorone	13	U	390	13	ug/Kg
88-75-5	2-Nitrophenol	19	U	390	19	ug/Kg
105-67-9	2,4-Dimethylphenol	22	U	390	22	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	23	U	390	23	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	390	15	ug/Kg
91-20-3	Naphthalene	14	U	390	14	ug/Kg
106-47-8	4-Chloroaniline	28	U	390	28	ug/Kg
87-68-3	Hexachlorobutadiene	14	U	390	14	ug/Kg
105-60-2	Caprolactam	18	U	390	18	ug/Kg
59-50-7	4-Chloro-3-methylphenol	17	U	390	17	ug/Kg
91-57-6	2-Methylnaphthalene	9.9	U	390	9.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.5	U	390	9.5	ug/Kg
88-06-2	2,4,6-Trichlorophenol	12	U	390	12	ug/Kg
95-95-4	2,4,5-Trichlorophenol	27	U	390	27	ug/Kg
92-52-4	1,1-Biphenyl	15	U	390	15	ug/Kg
91-58-7	2-Chloronaphthalene	8.9	U	390	8.9	ug/Kg
88-74-4	2-Nitroaniline	17	U	390	17	ug/Kg
131-11-3	Dimethylphthalate	11	U	390	11	ug/Kg
208-96-8	Acenaphthylene	9.9	U	390	9.9	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	390	16	ug/Kg
99-09-2	3-Nitroaniline	25	U	390	25	ug/Kg
83-32-9	Acenaphthene	11	U	390	11	ug/Kg
51-28-5	2,4-Dinitrophenol	40	U	390	40	ug/Kg
100-02-7	4-Nitrophenol	73	U	390	73	ug/Kg
132-64-9	Dibenzofuran	15	U	390	15	ug/Kg
121-14-2	2,4-Dinitrotoluene	12	U	390	12	ug/Kg
84-66-2	Diethylphthalate	6.1	U	390	6.1	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	21	U	390	21	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1RE	SDG No.:	BF040409
Lab Sample ID:	A2102-01RE	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027093.D	1	04/02/09	04/04/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
86-73-7	Fluorene	15	U	390	15	ug/Kg
100-01-6	4-Nitroaniline	51	U	390	51	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	22	U	390	22	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.4	U	390	9.4	ug/Kg
101-55-3	4-Bromophenyl-phenylether	7.6	U	390	7.6	ug/Kg
118-74-1	Hexachlorobenzene	16	U	390	16	ug/Kg
1912-24-9	Atrazine	21	U	390	21	ug/Kg
87-86-5	Pentachlorophenol	27	U	390	27	ug/Kg
85-01-8	Phenanthrene	11	U	390	11	ug/Kg
120-12-7	Anthracene	8	U	390	8	ug/Kg
86-74-8	Carbazole	8.6	U	390	8.6	ug/Kg
84-74-2	Di-n-butylphthalate	31	U	390	31	ug/Kg
206-44-0	Fluoranthene	53	J	390	7.9	ug/Kg
129-00-0	Pyrene	72	J	390	9.4	ug/Kg
85-68-7	Butylbenzylphthalate	19	U	390	19	ug/Kg
91-94-1	3,3-Dichlorobenzidine	25	U	390	25	ug/Kg
56-55-3	Benzo(a)anthracene	19	U	390	19	ug/Kg
218-01-9	Chrysene	52	J	390	18	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	150	J	390	14	ug/Kg
117-84-0	Di-n-octyl phthalate	4.5	U	390	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	70	J	390	13	ug/Kg
207-08-9	Benzo(k)fluoranthene	41	J	390	18	ug/Kg
50-32-8	Benzo(a)pyrene	47	J	390	8.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13	U	390	13	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	390	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61	J	390	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.58		66%	23 - 104	SPK: 150
13127-88-3	Phenol-d5	114.03		76%	29 - 104	SPK: 150
4165-60-0	Nitrobenzene-d5	75.42		75%	28 - 110	SPK: 100
321-60-8	2-Fluorobiphenyl	64.02		64%	32 - 109	SPK: 100
118-79-6	2,4,6-Tribromophenol	134.42		90%	24 - 112	SPK: 150
1718-51-0	Terphenyl-d14	119.86		120%	30 - 150	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126526	5.06			
1146-65-2	Naphthalene-d8	506474	6.5			
15067-26-2	Acenaphthene-d10	227953	8.62			
1517-22-2	Phenanthrene-d10	309714	10.45			
1719-03-5	Chrysene-d12	168389	13.7			

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	TOPSOIL_1RE	SDG No.:	BF040409
Lab Sample ID:	A2102-01RE	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027093.D	1	04/02/09	04/04/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
1520-96-3	Perylene-d12	112715	15.69			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	FILL_1	SDG No.:	A2102
Lab Sample ID:	A2102-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027052.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	19	U	350	19	ug/Kg
108-95-2	Phenol	8.2	U	350	8.2	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	17	U	350	17	ug/Kg
95-57-8	2-Chlorophenol	19	U	350	19	ug/Kg
95-48-7	2-Methylphenol	19	U	350	19	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	15	U	350	15	ug/Kg
98-86-2	Acetophenone	11	U	350	11	ug/Kg
65794-96-9	3+4-Methylphenols	19	U	350	19	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	18	U	350	18	ug/Kg
67-72-1	Hexachloroethane	16	U	350	16	ug/Kg
98-95-3	Nitrobenzene	13	U	350	13	ug/Kg
78-59-1	Isophorone	12	U	350	12	ug/Kg
88-75-5	2-Nitrophenol	17	U	350	17	ug/Kg
105-67-9	2,4-Dimethylphenol	20	U	350	20	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	21	U	350	21	ug/Kg
120-83-2	2,4-Dichlorophenol	14	U	350	14	ug/Kg
91-20-3	Naphthalene	12	U	350	12	ug/Kg
106-47-8	4-Chloroaniline	25	U	350	25	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	350	13	ug/Kg
105-60-2	Caprolactam	17	U	350	17	ug/Kg
59-50-7	4-Chloro-3-methylphenol	16	U	350	16	ug/Kg
91-57-6	2-Methylnaphthalene	9	U	350	9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8.7	U	350	8.7	ug/Kg
88-06-2	2,4,6-Trichlorophenol	11	U	350	11	ug/Kg
95-95-4	2,4,5-Trichlorophenol	25	U	350	25	ug/Kg
92-52-4	1,1-Biphenyl	13	U	350	13	ug/Kg
91-58-7	2-Chloronaphthalene	8.1	U	350	8.1	ug/Kg
88-74-4	2-Nitroaniline	16	U	350	16	ug/Kg
131-11-3	Dimethylphthalate	9.6	U	350	9.6	ug/Kg
208-96-8	Acenaphthylene	9	U	350	9	ug/Kg
606-20-2	2,6-Dinitrotoluene	15	U	350	15	ug/Kg
99-09-2	3-Nitroaniline	23	U	350	23	ug/Kg
83-32-9	Acenaphthene	10	U	350	10	ug/Kg
51-28-5	2,4-Dinitrophenol	36	U	350	36	ug/Kg
100-02-7	4-Nitrophenol	66	U	350	66	ug/Kg
132-64-9	Dibenzofuran	14	U	350	14	ug/Kg
121-14-2	2,4-Dinitrotoluene	11	U	350	11	ug/Kg
84-66-2	Diethylphthalate	5.6	U	350	5.6	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	19	U	350	19	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	FILL_1	SDG No.:	A2102
Lab Sample ID:	A2102-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027052.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
86-73-7	Fluorene	13	U	350	13	ug/Kg
100-01-6	4-Nitroaniline	46	U	350	46	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	350	20	ug/Kg
86-30-6	N-Nitrosodiphenylamine	8.6	U	350	8.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	7	U	350	7	ug/Kg
118-74-1	Hexachlorobenzene	15	U	350	15	ug/Kg
1912-24-9	Atrazine	19	U	350	19	ug/Kg
87-86-5	Pentachlorophenol	24	U	350	24	ug/Kg
85-01-8	Phenanthrene	9.6	U	350	9.6	ug/Kg
120-12-7	Anthracene	7.3	U	350	7.3	ug/Kg
86-74-8	Carbazole	7.8	U	350	7.8	ug/Kg
84-74-2	Di-n-butylphthalate	28	U	350	28	ug/Kg
206-44-0	Fluoranthene	7.2	U	350	7.2	ug/Kg
129-00-0	Pyrene	8.6	U	350	8.6	ug/Kg
85-68-7	Butylbenzylphthalate	17	U	350	17	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	350	23	ug/Kg
56-55-3	Benzo(a)anthracene	17	U	350	17	ug/Kg
218-01-9	Chrysene	16	U	350	16	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	13	U	350	13	ug/Kg
117-84-0	Di-n-octyl phthalate	4.1	U	350	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	12	U	350	12	ug/Kg
207-08-9	Benzo(k)fluoranthene	17	U	350	17	ug/Kg
50-32-8	Benzo(a)pyrene	7.7	U	350	7.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	350	12	ug/Kg
53-70-3	Dibenz(a,h)anthracene	10	U	350	10	ug/Kg
191-24-2	Benzo(g,h,i)perylene	14	U	350	14	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.72		56%	23 - 104	SPK: 150
13127-88-3	Phenol-d5	99.06		66%	29 - 104	SPK: 150
4165-60-0	Nitrobenzene-d5	65.54		66%	28 - 110	SPK: 100
321-60-8	2-Fluorobiphenyl	67.82		68%	32 - 109	SPK: 100
118-79-6	2,4,6-Tribromophenol	105.57		70%	24 - 112	SPK: 150
1718-51-0	Terphenyl-d14	88.31		88%	30 - 150	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145586	5.07			
1146-65-2	Naphthalene-d8	609447	6.52			
15067-26-2	Acenaphthene-d10	286035	8.64			
1517-22-2	Phenanthrene-d10	401703	10.46			
1719-03-5	Chrysene-d12	298022	13.71			

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	03/31/09
Project:	Remediation - Dix Ave	Date Received:	04/01/09
Client Sample ID:	FILL_1	SDG No.:	A2102
Lab Sample ID:	A2102-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	7
Sample Wt/Vol:	30.11 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF027052.D	1	04/02/09	04/03/09	PB40477

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
1520-96-3	Perylene-d12	261478	15.72			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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Hit Summary Sheet
SW-846

SDG No.: A2102

Client: C.T. Male & Associates

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID :	**TOPSOIL_1**							
A2102-01	TOPSOIL_1	SOIL	Fluoranthene	50.0	J	390	7.9	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Pyrene	61.0	J	390	9.4	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(a)anthracene	39.0	J	390	19	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Chrysene	61.0	J	390	18	ug/Kg
A2102-01	TOPSOIL_1	SOIL	bis(2-Ethylhexyl)phthalate	140.0	J	390	14	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(b)fluoranthene	76.0	J	390	13	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(k)fluoranthene	42.0	J	390	18	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(a)pyrene	45.0	J	390	8.5	ug/Kg
A2102-01	TOPSOIL_1	SOIL	Benzo(g,h,i)perylene	51.0	J	390	16	ug/Kg
			Total Concentration:	**565.00**				
Client ID :	**TOPSOIL_1RE**							
A2102-01RE	TOPSOIL_1RE	SOIL	Fluoranthene	53.0	J	390	7.9	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Pyrene	72.0	J	390	9.4	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Chrysene	52.0	J	390	18	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	bis(2-Ethylhexyl)phthalate	150.0	J	390	14	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(b)fluoranthene	70.0	J	390	13	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(k)fluoranthene	41.0	J	390	18	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(a)pyrene	47.0	J	390	8.5	ug/Kg
A2102-01RE	TOPSOIL_1RE	SOIL	Benzo(g,h,i)perylene	61.0	J	390	16	ug/Kg
			Total Concentration:	**546.00**				

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LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			SVOC-TCL BNA	8270		04/02/09	04/03/09	
A2102-01RE	**TOPSOIL_1RE**	**SOIL**			**03/31/09**			**04/01/09**
			SVOC-TCL BNA	8270		04/02/09	04/04/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			SVOC-TCL BNA	8270		04/02/09	04/03/09	

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	TOPSOIL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-01	**Matrix:**	SOIL
Analytical Method:	8081	**% Moisture:**	15
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P7034554.D	1	4/2/2009	4/3/2009	P7033109

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.15	U	2.0	0.15	ug/Kg
319-85-7	beta-BHC	0.21	U	2.0	0.21	ug/Kg
319-86-8	delta-BHC	0.12	U	2.0	0.12	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.18	U	2.0	0.18	ug/Kg
76-44-8	Heptachlor	0.16	U	2.0	0.16	ug/Kg
309-00-2	Aldrin	0.12	U	2.0	0.12	ug/Kg
1024-57-3	Heptachlor epoxide	0.19	U	2.0	0.19	ug/Kg
959-98-8	Endosulfan I	0.18	U	2.0	0.18	ug/Kg
60-57-1	Dieldrin	0.15	U	2.0	0.15	ug/Kg
72-55-9	4,4'-DDE	0.23	U	2.0	0.23	ug/Kg
72-20-8	Endrin	0.21	U	2.0	0.21	ug/Kg
33213-65-9	Endosulfan II	0.16	U	2.0	0.16	ug/Kg
72-54-8	4,4'-DDD	0.20	U	2.0	0.20	ug/Kg
1031-07-8	Endosulfan sulfate	0.18	U	2.0	0.18	ug/Kg
50-29-3	4,4'-DDT	0.16	U	2.0	0.16	ug/Kg
72-43-5	Methoxychlor	0.20	U	2.0	0.20	ug/Kg
53494-70-5	Endrin ketone	0.15	U	2.0	0.15	ug/Kg
7421-93-4	Endrin aldehyde	0.18	U	2.0	0.18	ug/Kg
5103-71-9	alpha-Chlordane	0.16	U	2.0	0.16	ug/Kg
5103-74-2	gamma-Chlordane	0.15	U	2.0	0.15	ug/Kg
8001-35-2	Toxaphene	11	U	20	11	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.94	70 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	12.21	61 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	FILL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-02	**Matrix:**	SOIL
Analytical Method:	8081	**% Moisture:**	7
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P7034555.D	1	4/2/2009	4/3/2009	P7033109

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.14	U	1.8	0.14	ug/Kg
319-85-7	beta-BHC	0.19	U	1.8	0.19	ug/Kg
319-86-8	delta-BHC	0.11	U	1.8	0.11	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.16	U	1.8	0.16	ug/Kg
76-44-8	Heptachlor	0.15	U	1.8	0.15	ug/Kg
309-00-2	Aldrin	0.11	U	1.8	0.11	ug/Kg
1024-57-3	Heptachlor epoxide	0.17	U	1.8	0.17	ug/Kg
959-98-8	Endosulfan I	0.16	U	1.8	0.16	ug/Kg
60-57-1	Dieldrin	0.14	U	1.8	0.14	ug/Kg
72-55-9	4,4'-DDE	0.21	U	1.8	0.21	ug/Kg
72-20-8	Endrin	0.19	U	1.8	0.19	ug/Kg
33213-65-9	Endosulfan II	0.15	U	1.8	0.15	ug/Kg
72-54-8	4,4'-DDD	0.18	U	1.8	0.18	ug/Kg
1031-07-8	Endosulfan sulfate	0.16	U	1.8	0.16	ug/Kg
50-29-3	4,4'-DDT	0.15	U	1.8	0.15	ug/Kg
72-43-5	Methoxychlor	0.18	U	1.8	0.18	ug/Kg
53494-70-5	Endrin ketone	0.14	U	1.8	0.14	ug/Kg
7421-93-4	Endrin aldehyde	0.16	U	1.8	0.16	ug/Kg
5103-71-9	alpha-Chlordane	0.15	U	1.8	0.15	ug/Kg
5103-74-2	gamma-Chlordane	0.14	U	1.8	0.14	ug/Kg
8001-35-2	Toxaphene	10	U	18	10	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.68	88 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	19.15	96 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Pesticide-TCL	8081		04/02/09	04/03/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Pesticide-TCL	8081		04/02/09	04/03/09	

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	TOPSOIL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-01	**Matrix:**	SOIL
Analytical Method:	8082	**% Moisture:**	15
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P6024647.D	1	4/2/2009	4/4/2009	P6040309

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	4.4	U	20	4.4	ug/Kg
11104-28-2	AROCLOR 1221	5.3	U	20	5.3	ug/Kg
11141-16-5	AROCLOR 1232	5.6	U	20	5.6	ug/Kg
53469-21-9	AROCLOR 1242	2.5	U	20	2.5	ug/Kg
12672-29-6	AROCLOR 1248	5.4	U	20	5.4	ug/Kg
11097-69-1	AROCLOR 1254	5.5	U	20	5.5	ug/Kg
11096-82-5	AROCLOR 1260	4.4	U	20	4.4	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.51	68 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	10.01	50 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	3/31/2009
Project:	Remediation - Dix Ave	**Date Received:**	4/1/2009
Client Sample ID:	FILL 1	**SDG No.:**	A2102
Lab Sample ID:	A2102-02	**Matrix:**	SOIL
Analytical Method:	8082	**% Moisture:**	7
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P6024648.D	1	4/2/2009	4/4/2009	P6040309

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	4.0	U	18	4.0	ug/Kg
11104-28-2	AROCLOR 1221	4.9	U	18	4.9	ug/Kg
11141-16-5	AROCLOR 1232	5.1	U	18	5.1	ug/Kg
53469-21-9	AROCLOR 1242	2.3	U	18	2.3	ug/Kg
12672-29-6	AROCLOR 1248	4.9	U	18	4.9	ug/Kg
11097-69-1	AROCLOR 1254	5.0	U	18	5.0	ug/Kg
11096-82-5	AROCLOR 1260	4.0	U	18	4.0	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.32	97 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	18.16	91 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

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LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			PCB	8082		04/02/09	04/04/09	
			Pesticide-TCL	8081		04/02/09	04/03/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			PCB	8082		04/02/09	04/04/09	
			Pesticide-TCL	8081		04/02/09	04/03/09	

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**3/31/2009**
Project:	**Remediation - Dix Ave**	**Date Received:**	**4/1/2009**
Client Sample ID:	**FILL_1**	**SDG No.:**	**A2102**
Lab Sample ID:	**A2102-02**	**Matrix:**	**SOIL**
		% Solids:	**93.30**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7429-90-5	Aluminum	1890		mg/Kg	0.60	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-36-0	Antimony	0.40	U	mg/Kg	0.40	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-38-2	Arsenic	0.37	J	mg/Kg	0.24	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-39-3	Barium	23.9		mg/Kg	0.29	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-41-7	Beryllium	0.17	J	mg/Kg	0.04	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-43-9	Cadmium	0.20	J	mg/Kg	0.04	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-70-2	Calcium	42200		mg/Kg	0.76	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-47-3	Chromium	3.270		mg/Kg	0.09	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-48-4	Cobalt	3.930		mg/Kg	0.41	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-50-8	Copper	6.940		mg/Kg	0.23	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-89-6	Iron	6760		mg/Kg	0.95	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-92-1	Lead	3.270		mg/Kg	0.28	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-95-4	Magnesium	9400		mg/Kg	3.270	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-96-5	Manganese	407		mg/Kg	0.14	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-97-6	Mercury	0.005	J	mg/Kg	0.002	1	4/2/2009	4/2/2009	EPA SW-846 7471
7440-02-0	Nickel	6.460		mg/Kg	0.33	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-09-7	Potassium	293		mg/Kg	2.500	1	4/2/2009	4/2/2009	EPA SW-846 6010
7782-49-2	Selenium	0.68	J	mg/Kg	0.29	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-22-4	Silver	0.11	U	mg/Kg	0.11	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-23-5	Sodium	64.3	J	mg/Kg	1.800	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-28-0	Thallium	0.19	U	mg/Kg	0.19	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-62-2	Vanadium	8.740		mg/Kg	0.42	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-66-6	Zinc	15.0		mg/Kg	0.50	1	4/2/2009	4/2/2009	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**3/31/2009**
Project:	**Remediation - Dix Ave**	**Date Received:**	**4/1/2009**
Client Sample ID:	**TOPSOIL_1**	**SDG No.:**	**A2102**
Lab Sample ID:	**A2102-01**	**Matrix:**	**SOIL**
		% Solids:	**85.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7429-90-5	Aluminum	5830		mg/Kg	0.66	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-36-0	Antimony	0.50	J	mg/Kg	0.44	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-38-2	Arsenic	0.92		mg/Kg	0.26	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-39-3	Barium	50.9		mg/Kg	0.31	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-41-7	Beryllium	0.28		mg/Kg	0.05	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-43-9	Cadmium	0.33		mg/Kg	0.05	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-70-2	Calcium	16300		mg/Kg	0.84	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-47-3	Chromium	9.170		mg/Kg	0.10	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-48-4	Cobalt	4.750		mg/Kg	0.45	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-50-8	Copper	41.5		mg/Kg	0.25	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-89-6	Iron	10600		mg/Kg	1.040	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-92-1	Lead	13.6		mg/Kg	0.31	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-95-4	Magnesium	4440		mg/Kg	3.590	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-96-5	Manganese	302		mg/Kg	0.15	1	4/2/2009	4/2/2009	EPA SW-846 6010
7439-97-6	Mercury	0.057		mg/Kg	0.002	1	4/2/2009	4/2/2009	EPA SW-846 7471
7440-02-0	Nickel	9.950		mg/Kg	0.36	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-09-7	Potassium	507		mg/Kg	2.750	1	4/2/2009	4/2/2009	EPA SW-846 6010
7782-49-2	Selenium	1.810		mg/Kg	0.32	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-22-4	Silver	0.31	J	mg/Kg	0.12	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-23-5	Sodium	109		mg/Kg	1.980	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-28-0	Thallium	0.21	U	mg/Kg	0.21	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-62-2	Vanadium	14.1		mg/Kg	0.46	1	4/2/2009	4/2/2009	EPA SW-846 6010
7440-66-6	Zinc	73.2		mg/Kg	0.55	1	4/2/2009	4/2/2009	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

Hit Summary Sheet
SW-846

SDG No.: A2102 **Order ID:** A2102

Client: C.T. Male & Associates **Project ID:** Remediation - Dix Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	TOPSOIL 1							
A2102-01	TOPSOIL 1	SOIL	Aluminum	5830		3.920	0.66	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Antimony	0.50	J	1.960	0.44	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Arsenic	0.92		0.78	0.26	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Barium	50.9		3.920	0.31	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Beryllium	0.28		0.24	0.05	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Cadmium	0.33		0.24	0.05	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Calcium	16300		78.4	0.84	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Chromium	9.170		0.39	0.10	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Cobalt	4.750		1.180	0.45	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Copper	41.5		0.78	0.25	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Iron	10600		3.920	1.040	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Lead	13.6		0.47	0.31	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Magnesium	4440		78.4	3.590	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Manganese	302		0.78	0.15	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Mercury	0.057		0.012	0.002	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Nickel	9.950		1.570	0.36	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Potassium	507		78.4	2.750	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Selenium	1.810		0.78	0.32	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Silver	0.31	J	0.39	0.12	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Sodium	109		78.4	1.980	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Vanadium	14.1		1.570	0.46	mg/Kg
A2102-01	TOPSOIL 1	SOIL	Zinc	73.2		1.570	0.55	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: A2102 **Order ID:** A2102

Client: C.T. Male & Associates **Project ID:** Remediation - Dix Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	FILL 1							
A2102-02	FILL 1	SOIL	Aluminum	1890		3.570	0.60	mg/Kg
A2102-02	FILL 1	SOIL	Arsenic	0.37	J	0.71	0.24	mg/Kg
A2102-02	FILL 1	SOIL	Barium	23.9		3.570	0.29	mg/Kg
A2102-02	FILL 1	SOIL	Beryllium	0.17	J	0.21	0.04	mg/Kg
A2102-02	FILL 1	SOIL	Cadmium	0.20	J	0.21	0.04	mg/Kg
A2102-02	FILL 1	SOIL	Calcium	42200		71.5	0.76	mg/Kg
A2102-02	FILL 1	SOIL	Chromium	3.270		0.36	0.09	mg/Kg
A2102-02	FILL 1	SOIL	Cobalt	3.930		1.070	0.41	mg/Kg
A2102-02	FILL 1	SOIL	Copper	6.940		0.71	0.23	mg/Kg
A2102-02	FILL 1	SOIL	Iron	6760		3.570	0.95	mg/Kg
A2102-02	FILL 1	SOIL	Lead	3.270		0.43	0.28	mg/Kg
A2102-02	FILL 1	SOIL	Magnesium	9400		71.5	3.270	mg/Kg
A2102-02	FILL 1	SOIL	Manganese	407		0.71	0.14	mg/Kg
A2102-02	FILL 1	SOIL	Mercury	0.005	J	0.011	0.002	mg/Kg
A2102-02	FILL 1	SOIL	Nickel	6.460		1.430	0.33	mg/Kg
A2102-02	FILL 1	SOIL	Potassium	293		71.5	2.500	mg/Kg
A2102-02	FILL 1	SOIL	Selenium	0.68	J	0.71	0.29	mg/Kg
A2102-02	FILL 1	SOIL	Sodium	64.3	J	71.5	1.800	mg/Kg
A2102-02	FILL 1	SOIL	Vanadium	8.740		1.430	0.42	mg/Kg
A2102-02	FILL 1	SOIL	Zinc	15.0		1.430	0.50	mg/Kg

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LAB CHRONICLE

OrderID:	A2102	**OrderDate:**	4/1/2009 4:49:24 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	O53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A2102-01	**TOPSOIL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Mercury	7471		04/02/09	04/02/09	
			Metals ICP-TAL	6010		04/02/09	04/02/09	
A2102-02	**FILL_1**	**SOIL**			**03/31/09**			**04/01/09**
			Mercury	7471		04/02/09	04/02/09	
			Metals ICP-TAL	6010		04/02/09	04/02/09	

END OF ANALYTICAL RESULTS

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Report Of Analysis

Client :	C.T. Male & Associates	Date Collected :	03/31/09
Project Id :	Remediation - Dix Ave	Date Received :	04/01/09
Test :	Cyanide	Lab Sample ID :	A2321-01
SDG ID :	A2321	Customer Sample No. :	TOPSOIL_1 Solid
% Moisture :	15	Analytical Method :	9012 Cyanide
DataFile :	lb43879.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.588	0.588	1	

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Report Of Analysis

Client :	C.T. Male & Associates	Date Collected :	03/31/09
Project Id :	Remediation - Dix Ave	Date Received :	04/01/09
Test :	Cyanide	Lab Sample ID :	A2321-02
SDG ID :	A2321	Customer Sample No. :	FILL_1
% Moisture :	6.699997	Analytical Method :	9012 Cyanide
DataFile :	lb43879.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.536	0.536	1	

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Page

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Project #: A2321
4/16/2009 1:03:44 PM
End Of Report

Bieber, Steve

From: Mike McLean [mpmclean@gw.dec.state.ny.us]
Sent: Wednesday, November 04, 2009 8:56 AM
To: Bieber, Steve
Subject: Approval For Top Soil Use-Dix Avenue

Steve,

I have reviewed the November 2, 2009 CT Male correspondence and analytical results for the topsoil proposed for use at the Dix Ave Site. Based upon the results showing the soil meeting unrestricted use numbers, the top soil may be used at the location.

Mike

Michael P. McLean, P.E.
Environmental Engineer II
NYSDEC-Region 5
Environmental Remediation Unit
P.O. Box 296
Ray Brook, NY 12977
518-897-1242

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

November 2, 2009

Mr. Michael McLean, P.E.
NYSDEC
1115 NYS Route 86
PO Box 296
Ray Brook, New York 12977-0296

RE: Topsoil Analytical Results
Former Dix Avenue Drive-In Theater
ERP No. B001515

Dear Mr. McLean:

Attached please find the analytical summary results for additional characterization samples collected of topsoil to be used as backfill for the PCB-impacted soil remediation at the above referenced site. The samples collected represent analytical results for the 2nd and 3rd 500-yard batches of topsoil that will be supplied by the Town of Kingsbury as site backfill upon completion of site excavation. Analytical results for the 1st 500-yard batch of topsoil were presented to you in our April 20, 2009 letter to your office.

One composite sample each was collected from each 500-yard batch of topsoil that was produced from three parts of Town of Kingsbury supplied virgin fill and one part compost obtained from the Washington County Regional Biosolids Composting facility (see April 20, 2009 letter). The samples were collected in laboratory provided sampling jars and forwarded to Chemtech for analysis for TCL VOCs, SVOCs, Pesticides and PCBs, and TAL Metals and Cyanide.

The attached analytical summary results table and full laboratory analytical results show all of the analyzed compounds and analytes at concentrations below Part 375 SCOs for Unrestricted Use sites.

Based on the analytical results, C.T. Male Associates, P.C., on behalf of the Town of Kingsbury, is requesting DEC permission to use the 2nd and 3rd batch of Town supplied topsoil as backfill material for the PCB-impacted soil remediation. Per project specification section 02097-page 3 (attached), the analytical frequency of samples collected of the topsoil to date will permit the total use of 5,000 yards of topsoil for site backfill prior to the collection and analysis of additional topsoil samples.

Please contact me should you require further information.

Respectfully,

C.T. MALE ASSOCIATES, P.C.

Stephen Bieber
Environmental Scientist

Attachments

C: James Lindsey, Supervisor
Town of Kingsbury
210 Main Street
Hudson Falls, New York 12839

Mathew F. Fuller, Esq.
Fitzgerald, Morris, Baker, Firth, P.C.
3019 State Route 4
Hudson Falls, New York 12839

Kirk Moline, C.T. Male

TOPSOIL 2 AND TOPSOIL 3 ANALYTICAL RESULTS SUMMARY
FORMER DIX AVENUE DRIVE-IN THEATER ERP SITE
(Unvalidated Data)
C.T. Male Project No. 07.7412

PARAMETER	Part 375 Unrestricted Use SCOs[1] (mg/kg)	Eastern USA Background[2] (mg/kg)	Topsoil 2 mg/kg		Topsoil 3 mg/kg	
			Result	Qualifier	Result	Qualifier
VOCs (None Detected Above the Laboratory Detectio						
Semi-Volatile Organic Compounds						
Dimethylphthalate	NS	NA	0.32	J	0.34	J
Fluoranthene	100	NA	0.0084	U	0.046	J
Pyrene	100	NA	0.01	U	0.043	J
Benzo(b)fluoranthene	1	NA	0.014	U	0.052	J
Pesticides (None Detected Above the Laboratory Detection Limit)						
PCBs (None Detected Above the Laboratory Detection Limit)						
Metals						
Aluminum	NS	33,000	5690		6410	
Antimony	NS	NA	0.64	U	0.68	U
Arsenic	13	3 - 12	1.57		1.43	
Barium	350	15 - 1600	43.8		52.7	
Beryllium	7.2	0 - 1.75	0.31	J	0.29	J
Cadmium	2.5	0.1 - 1	0.39		0.37	
Calcium	NS	130 - 35,000	8,790		9,000	
Chromium	30	1.5 - 40	8.55		8.99	
Cobalt	NS	2.5 - 60	4.71		5.75	
Copper	50	1 - 50	28.3		35.1	
Cyanide	27	NS	0.623	U	0.603	U
Iron	NS	2000 - 550,000	11,500		10,800	
Lead	63	NA	13.9		19.6	
Magnesium	NS	100 - 5000	2680		2650	
Manganese	1,600	50 - 5000	277		449	
Mercury	0.18	0.001 - 0.2	0.071	J	0.045	J
Nickel	30	0.5 - 25	8.66		9.15	
Potassium	NS	8500 - 43,000	494		462	
Selenium	3.9	0.1 - 3.9	0.47	U	0.5	U
Silver	2	NA	0.28	J	0.32	J
Sodium	NS	6000 - 8000	78.4	J	76	J
Thallium	NS	NA	0.31	U	0.33	U
Vanadium	NS	1 - 300	14.1		14.6	
Zinc	109	9 - 50	70.8		77.1	

Qualifiers and Notes
(1) NYSDEC 6 NYCRR PART 375 Environmental Remediation Programs, Subpart 375-6, Dated December 14, 2006
(2) NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Determination of Soil Cleanup Objectives, Eastern USA or NYS Background, Dated Jan. 24, 1994.
Concentrations denoted in mg/kg or parts per million (ppm)
U indicates that the compound was analyzed but not detected
J indicates and estimated value
NS denotes "No Standard"
NA denotes "Not Applicable"

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : A4695

Project ID : Remediation - Dix Ave

Client : C.T. Male Associates, P.C.,

Lab Sample Number	Client Sample Number
A4695-01	TOPSOILPILE-2
A4695-02	TOPSOILPILE-3

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes
I am approving this document
2009.10.27 11:33:27 -04'00'

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. A4695
COC Number 073914

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CT Male Associates P.C.
ADDRESS: 50 Century Hill Drive
CITY: Latham STATE: NY ZIP: 12210
ATTENTION: Steve Bieber
PHONE: 518-786-7495 FAX: 518-786-7299

CLIENT PROJECT INFORMATION

PROJECT NAME: Town of Kingsbury
PROJECT NO.: LOCATION:
PROJECT MANAGER: Bieber
e-mail: s.bieber@ctmale.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1 TCL VOCs
2 TCL SVOCs
3 TCL PCBs
4 TCL Pesticides
5 TAL Metals + Cyanide
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Topsoil Pile #2	Soil	X		10/13/09	8:10	2										
2.	Topsoil Pile #3	Soil	X		10/13/09	8:15	2										
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: 1 2 3 4 5 6 7 8 9

COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jamie Peters	10/13/09	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 1145	RECEIVED FOR LAB BY:
3. UPS	10/14/09	3. Wally

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 5°C
Ice in Cooler?: YES

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☒ OVERNIGHT

Shipment Complete: 1 YES 2 NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

RS UPS Label

3

UPS CampusShip: View/Print Label

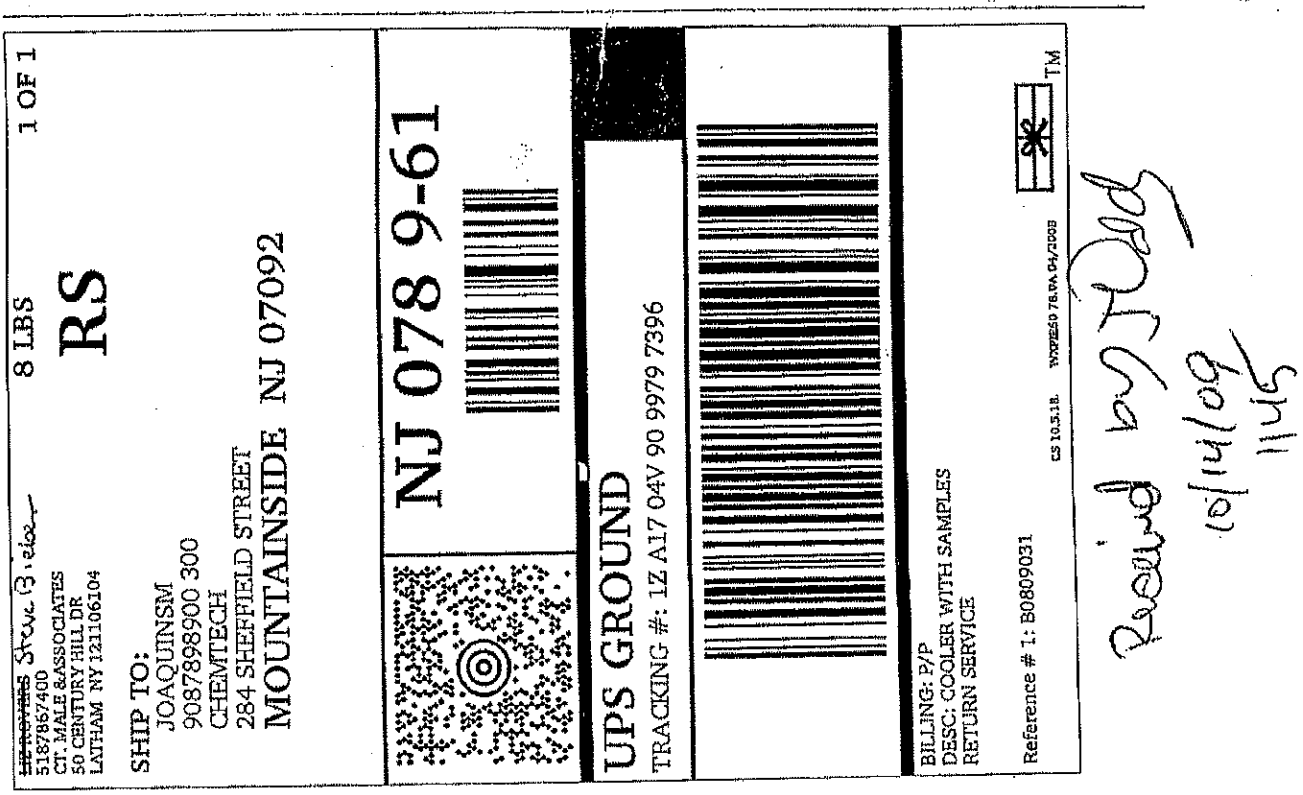
1. **Ensure that there are no other tracking labels attached to your package.**

2. **Fold the printed label at the dotted line.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers without a Daily Pickup
   - Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   - Hand the package to any UPS driver in your area.
   - Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot® or Staples®) or Authorized Shipping Outlet near you. Items sent via UPS Return Services℠ (including via Ground) are accepted at Drop Boxes.
   - To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

   Customers with a Daily Pickup
   - Your driver will pickup your shipment(s) as usual.

FOLD HERE



Received by RDS 10/14/09 1145

From: MARIA LUISA CRUZ
Sent: October 16, 2009 08:36
To: 'Bieber, Steve'
Subject: A4695 Remediation Dix Ave. (Town of Kingsbury)

Thanks for the response. We login for results only for data deliverable.

From: Bieber, Steve [mailto:s.bieber@ctmale.com]
Sent: October 16, 2009 07:57
To: MARIA LUISA CRUZ
Subject: RE: LOG-IN

Analyze each sample for all of the listed parameters. We do not need ASP Category B Deliverables for these samples.

Thanks,

Steve

-----Original Message-----
From: MARIA LUISA CRUZ [mailto:L.CRUZ@chemtech.net]
Sent: Wednesday, October 14, 2009 12:07 PM
To: Bieber, Steve
Subject: FW: LOG-IN

Hi Steve,

Sample Management wants to confirm the analyses because you did not place X marks on the chain of custody. Please email revised chain. Thank you for your full and prompt cooperation with this matter.

Luisa Cruz
CHEMTECH

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-789-8900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Maryland	296
Massachusetts	M-NJ503
Maine	NJ0503
Oklahoma	9705
Pennsylvania	68-548
Rhode Island	LAO00259

QA Control Code: A2070148

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Result Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U. This is the detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the compound was analyzed for but was not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L, and a concentration of 3ug/L was calculated, report as 3 J.
B	Indicates the analyte was found in the blank as well as the sample.
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected Aldol-condensation product.

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284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Result Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected.
E	Indicates the reported value is estimated because of the presence of interference.
M	Indicates Duplicate injection precision is not met.
N	Indicates spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates the duplicate analysis is not within control limits.
+	Indicates correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometer **"AS"** for Semi -Automated Spectrophotometer **"C"** for Manual Spectrophotometer **"T"** for Titrimetric analysis **"NR"** for analyte not required to be analyzed
OR	**Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.**

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: A4695

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs reviewed for manual integration requirements	

1st Level QA Review Signature: HETAL SHAH Date: 10/27/2009

2nd Level QA Review Signature: Mildred V Reyes Mildred V. Reyes I am approving this document 2009.10.27 Date 13:01 -04'00'

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-2	SDG No.:	A4695
Lab Sample ID:	A4695-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK035503.D	1		10/14/09	vk101409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.81	U	6.2	0.81	ug/Kg
74-87-3	Chloromethane	1.1	U	6.2	1.1	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	6.2	1.5	ug/Kg
74-83-9	Bromomethane	3.1	U	6.2	3.1	ug/Kg
75-00-3	Chloroethane	1.8	U	6.2	1.8	ug/Kg
75-69-4	Trichlorofluoromethane	1.6	U	6.2	1.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.7	U	6.2	1.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.8	U	6.2	1.8	ug/Kg
67-64-1	Acetone	3.8	U	31	3.8	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	6.2	1.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	6.2	1.2	ug/Kg
79-20-9	Methyl Acetate	1.9	U	6.2	1.9	ug/Kg
75-09-2	Methylene Chloride	1.8	U	6.2	1.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	6.2	0.86	ug/Kg
75-34-3	1,1-Dichloroethane	1.2	U	6.2	1.2	ug/Kg
110-82-7	Cyclohexane	1.3	U	6.2	1.3	ug/Kg
78-93-3	2-Butanone	3.9	U	31	3.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U	6.2	1.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	6.2	1.1	ug/Kg
67-66-3	Chloroform	0.92	U	6.2	0.92	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	6.2	1.1	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	6.2	1.3	ug/Kg
71-43-2	Benzene	0.48	U	6.2	0.48	ug/Kg
107-06-2	1,2-Dichloroethane	0.8	U	6.2	0.8	ug/Kg
79-01-6	Trichloroethene	1.1	U	6.2	1.1	ug/Kg
78-87-5	1,2-Dichloropropane	0.32	U	6.2	0.32	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	6.2	0.78	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.6	U	31	3.6	ug/Kg
108-88-3	Toluene	0.8	U	6.2	0.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.99	U	6.2	0.99	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.9	U	6.2	0.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.1	U	6.2	1.1	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-2	SDG No.:	A4695
Lab Sample ID:	A4695-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK035503.D	1		10/14/09	vk101409

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	4.9	U	31	4.9	ug/Kg
124-48-1	Dibromochloromethane	0.68	U	6.2	0.68	ug/Kg
106-93-4	1,2-Dibromoethane	0.8	U	6.2	0.8	ug/Kg
127-18-4	Tetrachloroethene	1.3	U	6.2	1.3	ug/Kg
108-90-7	Chlorobenzene	0.62	U	6.2	0.62	ug/Kg
100-41-4	Ethyl Benzene	0.78	U	6.2	0.78	ug/Kg
179601-23-1	m/p-Xylenes	0.9	U	12	0.9	ug/Kg
95-47-6	o-Xylene	0.85	U	6.2	0.85	ug/Kg
100-42-5	Styrene	0.56	U	6.2	0.56	ug/Kg
75-25-2	Bromoform	0.92	U	6.2	0.92	ug/Kg
98-82-8	Isopropylbenzene	0.6	U	6.2	0.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.57	U	6.2	0.57	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.46	U	6.2	0.46	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.51	U	6.2	0.51	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.78	U	6.2	0.78	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	6.2	1.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.88	U	6.2	0.88	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.6		85%	55 - 158	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		101%	53 - 156	SPK: 50
2037-26-5	Toluene-d8	49.5		99%	68 - 122	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		85%	25 - 144	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293881	3.18			
540-36-3	1,4-Difluorobenzene	559519	3.56			
3114-55-4	Chlorobenzene-d5	508725	6.26			
3855-82-1	1,4-Dichlorobenzene-d4	194254	8.59			

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-3	SDG No.:	A4695
Lab Sample ID:	A4695-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK035510.D	1		10/15/09	VK101509

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.78	U	6	0.78	ug/Kg
74-87-3	Chloromethane	1	U	6	1	ug/Kg
75-01-4	Vinyl Chloride	1.5	U	6	1.5	ug/Kg
74-83-9	Bromomethane	2.9	U	6	2.9	ug/Kg
75-00-3	Chloroethane	1.7	U	6	1.7	ug/Kg
75-69-4	Trichlorofluoromethane	1.6	U	6	1.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.6	U	6	1.6	ug/Kg
75-35-4	1,1-Dichloroethene	1.8	U	6	1.8	ug/Kg
67-64-1	Acetone	3.6	U	30	3.6	ug/Kg
75-15-0	Carbon Disulfide	1.3	U	6	1.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.2	U	6	1.2	ug/Kg
79-20-9	Methyl Acetate	1.8	U	6	1.8	ug/Kg
75-09-2	Methylene Chloride	1.7	U	6	1.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	6	0.83	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	6	1.1	ug/Kg
110-82-7	Cyclohexane	1.2	U	6	1.2	ug/Kg
78-93-3	2-Butanone	3.7	U	30	3.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.2	U	6	1.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.1	U	6	1.1	ug/Kg
67-66-3	Chloroform	0.89	U	6	0.89	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.1	U	6	1.1	ug/Kg
108-87-2	Methylcyclohexane	1.3	U	6	1.3	ug/Kg
71-43-2	Benzene	0.46	U	6	0.46	ug/Kg
107-06-2	1,2-Dichloroethane	0.77	U	6	0.77	ug/Kg
79-01-6	Trichloroethene	1	U	6	1	ug/Kg
78-87-5	1,2-Dichloropropane	0.31	U	6	0.31	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	6	0.74	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.5	U	30	3.5	ug/Kg
108-88-3	Toluene	0.77	U	6	0.77	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.95	U	6	0.95	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.86	U	6	0.86	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.1	U	6	1.1	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-3	SDG No.:	A4695
Lab Sample ID:	A4695-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK035510.D	1		10/15/09	VK101509

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	4.7	U	30	4.7	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	6	0.65	ug/Kg
106-93-4	1,2-Dibromoethane	0.77	U	6	0.77	ug/Kg
127-18-4	Tetrachloroethene	1.2	U	6	1.2	ug/Kg
108-90-7	Chlorobenzene	0.6	U	6	0.6	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	6	0.74	ug/Kg
179601-23-1	m/p-Xylenes	0.86	U	12	0.86	ug/Kg
95-47-6	o-Xylene	0.82	U	6	0.82	ug/Kg
100-42-5	Styrene	0.54	U	6	0.54	ug/Kg
75-25-2	Bromoform	0.89	U	6	0.89	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	6	0.58	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.55	U	6	0.55	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.44	U	6	0.44	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.49	U	6	0.49	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.74	U	6	0.74	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	6	1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.84	U	6	0.84	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.4		85%	55 - 158	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		103%	53 - 156	SPK: 50
2037-26-5	Toluene-d8	49.5		99%	68 - 122	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		83%	25 - 144	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	309662	3.18			
540-36-3	1,4-Difluorobenzene	583265	3.57			
3114-55-4	Chlorobenzene-d5	527301	6.27			
3855-82-1	1,4-Dichlorobenzene-d4	186816	8.6			

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A4695	**OrderDate:**	10/14/2009 2:36:15 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	F41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A4695-01	**TOPSOILPILE-2**	**SOIL**			**10/13/09**			**10/14/09**
			VOC-TCL	8260B			10/14/09	
A4695-02	**TOPSOILPILE-3**	**SOIL**			**10/13/09**			**10/14/09**
			VOC-TCL	8260B			10/15/09	

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-2	SDG No.:	A4695
Lab Sample ID:	A4695-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE058963.D	1	10/15/09	10/16/09	PB45377

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	22	U	410	22	ug/Kg
108-95-2	Phenol	9.6	U	410	9.6	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	20	U	410	20	ug/Kg
95-57-8	2-Chlorophenol	22	U	410	22	ug/Kg
95-48-7	2-Methylphenol	23	U	410	23	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	17	U	410	17	ug/Kg
98-86-2	Acetophenone	13	U	410	13	ug/Kg
65794-96-9	3+4-Methylphenols	22	U	410	22	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	21	U	410	21	ug/Kg
67-72-1	Hexachloroethane	19	U	410	19	ug/Kg
98-95-3	Nitrobenzene	16	U	410	16	ug/Kg
78-59-1	Isophorone	14	U	410	14	ug/Kg
88-75-5	2-Nitrophenol	20	U	410	20	ug/Kg
105-67-9	2,4-Dimethylphenol	24	U	410	24	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	24	U	410	24	ug/Kg
120-83-2	2,4-Dichlorophenol	16	U	410	16	ug/Kg
91-20-3	Naphthalene	14	U	410	14	ug/Kg
106-47-8	4-Chloroaniline	29	U	410	29	ug/Kg
87-68-3	Hexachlorobutadiene	15	U	410	15	ug/Kg
105-60-2	Caprolactam	19	U	410	19	ug/Kg
59-50-7	4-Chloro-3-methylphenol	18	U	410	18	ug/Kg
91-57-6	2-Methylnaphthalene	10	U	410	10	ug/Kg
77-47-4	Hexachlorocyclopentadiene	10	U	410	10	ug/Kg
88-06-2	2,4,6-Trichlorophenol	13	U	410	13	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29	U	410	29	ug/Kg
92-52-4	1,1-Biphenyl	16	U	410	16	ug/Kg
91-58-7	2-Chloronaphthalene	9.5	U	410	9.5	ug/Kg
88-74-4	2-Nitroaniline	18	U	410	18	ug/Kg
131-11-3	Dimethylphthalate	320	J	410	11	ug/Kg
208-96-8	Acenaphthylene	10	U	410	10	ug/Kg
606-20-2	2,6-Dinitrotoluene	17	U	410	17	ug/Kg
99-09-2	3-Nitroaniline	27	U	410	27	ug/Kg

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-2	SDG No.:	A4695
Lab Sample ID:	A4695-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE058963.D	1	10/15/09	10/16/09	PB45377

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
83-32-9	Acenaphthene	12	U	410	12	ug/Kg
51-28-5	2,4-Dinitrophenol	42	U	410	42	ug/Kg
100-02-7	4-Nitrophenol	77	U	410	77	ug/Kg
132-64-9	Dibenzofuran	16	U	410	16	ug/Kg
121-14-2	2,4-Dinitrotoluene	13	U	410	13	ug/Kg
84-66-2	Diethylphthalate	6.5	U	410	6.5	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	23	U	410	23	ug/Kg
86-73-7	Fluorene	16	U	410	16	ug/Kg
100-01-6	4-Nitroaniline	54	U	410	54	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	410	24	ug/Kg
86-30-6	N-Nitrosodiphenylamine	10	U	410	10	ug/Kg
101-55-3	4-Bromophenyl-phenylether	8.1	U	410	8.1	ug/Kg
118-74-1	Hexachlorobenzene	17	U	410	17	ug/Kg
1912-24-9	Atrazine	22	U	410	22	ug/Kg
87-86-5	Pentachlorophenol	28	U	410	28	ug/Kg
85-01-8	Phenanthrene	11	U	410	11	ug/Kg
120-12-7	Anthracene	8.5	U	410	8.5	ug/Kg
86-74-8	Carbazole	9.1	U	410	9.1	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	410	33	ug/Kg
206-44-0	Fluoranthene	8.4	U	410	8.4	ug/Kg
129-00-0	Pyrene	10	U	410	10	ug/Kg
85-68-7	Butylbenzylphthalate	20	U	410	20	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	410	27	ug/Kg
56-55-3	Benzo(a)anthracene	20	U	410	20	ug/Kg
218-01-9	Chrysene	19	U	410	19	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	15	U	410	15	ug/Kg
117-84-0	Di-n-octyl phthalate	4.7	U	410	4.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	14	U	410	14	ug/Kg
207-08-9	Benzo(k)fluoranthene	20	U	410	20	ug/Kg
50-32-8	Benzo(a)pyrene	9	U	410	9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	14	U	410	14	ug/Kg
53-70-3	Dibenz(a,h)anthracene	12	U	410	12	ug/Kg
191-24-2	Benzo(g,h,i)perylene	17	U	410	17	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-2	SDG No.:	A4695
Lab Sample ID:	A4695-01	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE058963.D	1	10/15/09	10/16/09	PB45377

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
SURROGATES						
367-12-4	2-Fluorophenol	128		85%	26 - 141	SPK: 150
13127-88-3	Phenol-d5	128		86%	28 - 142	SPK: 150
4165-60-0	Nitrobenzene-d5	88.6		89%	30 - 150	SPK: 100
321-60-8	2-Fluorobiphenyl	87		87%	19 - 182	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		75%	29 - 150	SPK: 150
1718-51-0	Terphenyl-d14	80.5		81%	24 - 191	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	91439	4.86			
1146-65-2	Naphthalene-d8	343868	6.02			
15067-26-2	Acenaphthene-d10	160901	7.72			
1517-22-2	Phenanthrene-d10	238890	9.38			
1719-03-5	Chrysene-d12	193063	12.57			
1520-96-3	Perylene-d12	185636	14.49			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-3	SDG No.:	A4695
Lab Sample ID:	A4695-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	17
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE058962.D	1	10/15/09	10/16/09	PB45377

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	21	U	400	21	ug/Kg
108-95-2	Phenol	9.3	U	400	9.3	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	19	U	400	19	ug/Kg
95-57-8	2-Chlorophenol	21	U	400	21	ug/Kg
95-48-7	2-Methylphenol	22	U	400	22	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	17	U	400	17	ug/Kg
98-86-2	Acetophenone	12	U	400	12	ug/Kg
65794-96-9	3+4-Methylphenols	21	U	400	21	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	20	U	400	20	ug/Kg
67-72-1	Hexachloroethane	18	U	400	18	ug/Kg
98-95-3	Nitrobenzene	15	U	400	15	ug/Kg
78-59-1	Isophorone	13	U	400	13	ug/Kg
88-75-5	2-Nitrophenol	19	U	400	19	ug/Kg
105-67-9	2,4-Dimethylphenol	23	U	400	23	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	23	U	400	23	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	400	15	ug/Kg
91-20-3	Naphthalene	14	U	400	14	ug/Kg
106-47-8	4-Chloroaniline	28	U	400	28	ug/Kg
87-68-3	Hexachlorobutadiene	15	U	400	15	ug/Kg
105-60-2	Caprolactam	19	U	400	19	ug/Kg
59-50-7	4-Chloro-3-methylphenol	18	U	400	18	ug/Kg
91-57-6	2-Methylnaphthalene	10	U	400	10	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.7	U	400	9.7	ug/Kg
88-06-2	2,4,6-Trichlorophenol	12	U	400	12	ug/Kg
95-95-4	2,4,5-Trichlorophenol	28	U	400	28	ug/Kg
92-52-4	1,1-Biphenyl	15	U	400	15	ug/Kg
91-58-7	2-Chloronaphthalene	9.1	U	400	9.1	ug/Kg
88-74-4	2-Nitroaniline	18	U	400	18	ug/Kg
131-11-3	Dimethylphthalate	340	J	400	11	ug/Kg
208-96-8	Acenaphthylene	10	U	400	10	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	400	16	ug/Kg
99-09-2	3-Nitroaniline	26	U	400	26	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-3	SDG No.:	A4695
Lab Sample ID:	A4695-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	17
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE058962.D	1	10/15/09	10/16/09	PB45377

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
83-32-9	Acenaphthene	11	U	400	11	ug/Kg
51-28-5	2,4-Dinitrophenol	41	U	400	41	ug/Kg
100-02-7	4-Nitrophenol	74	U	400	74	ug/Kg
132-64-9	Dibenzofuran	16	U	400	16	ug/Kg
121-14-2	2,4-Dinitrotoluene	12	U	400	12	ug/Kg
84-66-2	Diethylphthalate	6.3	U	400	6.3	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	22	U	400	22	ug/Kg
86-73-7	Fluorene	15	U	400	15	ug/Kg
100-01-6	4-Nitroaniline	52	U	400	52	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	400	23	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.6	U	400	9.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	7.8	U	400	7.8	ug/Kg
118-74-1	Hexachlorobenzene	16	U	400	16	ug/Kg
1912-24-9	Atrazine	21	U	400	21	ug/Kg
87-86-5	Pentachlorophenol	27	U	400	27	ug/Kg
85-01-8	Phenanthrene	11	U	400	11	ug/Kg
120-12-7	Anthracene	8.2	U	400	8.2	ug/Kg
86-74-8	Carbazole	8.8	U	400	8.8	ug/Kg
84-74-2	Di-n-butylphthalate	32	U	400	32	ug/Kg
206-44-0	Fluoranthene	46	J	400	8.1	ug/Kg
129-00-0	Pyrene	43	J	400	9.6	ug/Kg
85-68-7	Butylbenzylphthalate	19	U	400	19	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	400	26	ug/Kg
56-55-3	Benzo(a)anthracene	19	U	400	19	ug/Kg
218-01-9	Chrysene	18	U	400	18	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	14	U	400	14	ug/Kg
117-84-0	Di-n-octyl phthalate	4.6	U	400	4.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	52	J	400	13	ug/Kg
207-08-9	Benzo(k)fluoranthene	19	U	400	19	ug/Kg
50-32-8	Benzo(a)pyrene	8.7	U	400	8.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13	U	400	13	ug/Kg
53-70-3	Dibenz(a,h)anthracene	12	U	400	12	ug/Kg
191-24-2	Benzo(g,h,i)perylene	16	U	400	16	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-3	SDG No.:	A4695
Lab Sample ID:	A4695-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	17
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE058962.D	1	10/15/09	10/16/09	PB45377

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
SURROGATES						
367-12-4	2-Fluorophenol	129		87%	26 - 141	SPK: 150
13127-88-3	Phenol-d5	135		90%	28 - 142	SPK: 150
4165-60-0	Nitrobenzene-d5	88.7		89%	30 - 150	SPK: 100
321-60-8	2-Fluorobiphenyl	89.8		90%	19 - 182	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		79%	29 - 150	SPK: 150
1718-51-0	Terphenyl-d14	82		82%	24 - 191	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92138	4.86			
1146-65-2	Naphthalene-d8	351704	6.02			
15067-26-2	Acenaphthene-d10	163762	7.72			
1517-22-2	Phenanthrene-d10	249866	9.38			
1719-03-5	Chrysene-d12	199259	12.57			
1520-96-3	Perylene-d12	192033	14.49			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: A4695

Client: C.T. Male & Associates

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID :	**TOPSOILPILE-2**							
A4695-01	TOPSOILPILE-2	SOIL	Dimethylphthalate	320.00	J	410	11	ug/Kg
			Total Svoc :		**320.00**			
			Total Concentration:		**320.00**			
Client ID :	**TOPSOILPILE-3**							
A4695-02	TOPSOILPILE-3	SOIL	Dimethylphthalate	340.00	J	400	11	ug/Kg
A4695-02	TOPSOILPILE-3	SOIL	Fluoranthene	46.00	J	400	8.1	ug/Kg
A4695-02	TOPSOILPILE-3	SOIL	Pyrene	43.00	J	400	9.6	ug/Kg
A4695-02	TOPSOILPILE-3	SOIL	Benzo(b)fluoranthene	52.00	J	400	13	ug/Kg
			Total Svoc :		**481.00**			
			Total Concentration:		**481.00**			

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A4695	**OrderDate:**	10/14/2009 2:36:15 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	F41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A4695-01	**TOPSOILPILE-2**	**SOIL**			**10/13/09**			**10/14/09**
			SVOC-TCL BNA	8270C		10/15/09	10/16/09	
A4695-02	**TOPSOILPILE-3**	**SOIL**			**10/13/09**			**10/14/09**
			SVOC-TCL BNA	8270C		10/15/09	10/16/09	

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Report of Analysis

Client:	C.T. Male Associates, P.C.,	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-2	SDG No.:	A4695
Lab Sample ID:	A4695-01	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	20
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
P4020454.D	1	10/15/09	10/22/09	PB45378

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.16	U	2.1	0.16	ug/Kg
319-85-7	beta-BHC	0.22	U	2.1	0.22	ug/Kg
319-86-8	delta-BHC	0.12	U	2.1	0.12	ug/Kg
58-89-9	gamma-BHC	0.19	U	2.1	0.19	ug/Kg
76-44-8	Heptachlor	0.17	U	2.1	0.17	ug/Kg
309-00-2	Aldrin	0.12	U	2.1	0.12	ug/Kg
1024-57-3	Heptachlor epoxide	0.2	U	2.1	0.2	ug/Kg
959-98-8	Endosulfan I	0.19	U	2.1	0.19	ug/Kg
60-57-1	Dieldrin	0.16	U	2.1	0.16	ug/Kg
72-55-9	4,4-DDE	0.25	U	2.1	0.25	ug/Kg
72-20-8	Endrin	0.22	U	2.1	0.22	ug/Kg
33213-65-9	Endosulfan II	0.17	U	2.1	0.17	ug/Kg
72-54-8	4,4-DDD	0.21	U	2.1	0.21	ug/Kg
1031-07-8	Endosulfan Sulfate	0.19	U	2.1	0.19	ug/Kg
50-29-3	4,4-DDT	0.17	U	2.1	0.17	ug/Kg
72-43-5	Methoxychlor	0.21	U	2.1	0.21	ug/Kg
53494-70-5	Endrin ketone	0.16	U	2.1	0.16	ug/Kg
7421-93-4	Endrin aldehyde	0.19	U	2.1	0.19	ug/Kg
5103-71-9	alpha-Chlordane	0.17	U	2.1	0.17	ug/Kg
5103-74-2	gamma-Chlordane	0.16	U	2.1	0.16	ug/Kg
8001-35-2	Toxaphene	12	U	21	12	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		93%	10 - 169	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		85%	31 - 151	SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male Associates, P.C.,	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-3	SDG No.:	A4695
Lab Sample ID:	A4695-02	Matrix:	SOIL
Analytical Method:	SW8081	% Moisture:	17
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
P4020455.D	1	10/15/09	10/22/09	PB45378

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.16	U	2	0.16	ug/Kg
319-85-7	beta-BHC	0.22	U	2	0.22	ug/Kg
319-86-8	delta-BHC	0.12	U	2	0.12	ug/Kg
58-89-9	gamma-BHC	0.18	U	2	0.18	ug/Kg
76-44-8	Heptachlor	0.17	U	2	0.17	ug/Kg
309-00-2	Aldrin	0.12	U	2	0.12	ug/Kg
1024-57-3	Heptachlor epoxide	0.19	U	2	0.19	ug/Kg
959-98-8	Endosulfan I	0.18	U	2	0.18	ug/Kg
60-57-1	Dieldrin	0.16	U	2	0.16	ug/Kg
72-55-9	4,4-DDE	0.24	U	2	0.24	ug/Kg
72-20-8	Endrin	0.22	U	2	0.22	ug/Kg
33213-65-9	Endosulfan II	0.17	U	2	0.17	ug/Kg
72-54-8	4,4-DDD	0.2	U	2	0.2	ug/Kg
1031-07-8	Endosulfan Sulfate	0.18	U	2	0.18	ug/Kg
50-29-3	4,4-DDT	0.17	U	2	0.17	ug/Kg
72-43-5	Methoxychlor	0.2	U	2	0.2	ug/Kg
53494-70-5	Endrin ketone	0.16	U	2	0.16	ug/Kg
7421-93-4	Endrin aldehyde	0.18	U	2	0.18	ug/Kg
5103-71-9	alpha-Chlordane	0.17	U	2	0.17	ug/Kg
5103-74-2	gamma-Chlordane	0.16	U	2	0.16	ug/Kg
8001-35-2	Toxaphene	12	U	20	12	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		101%	10 - 169	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		97%	31 - 151	SPK: 20

U = Not Detected
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A4695	**OrderDate:**	10/14/2009 2:36:15 PM
Client:	C.T. Male Associates, P.(	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	F41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A4695-01	**TOPSOILPILE-2**	**SOIL**			**10/13/09**			**10/14/09**
			PCB	8082		10/15/09	10/17/09	
			Pesticide-TCL	8081A		10/15/09	10/22/09	
A4695-02	**TOPSOILPILE-3**	**SOIL**			**10/13/09**			**10/14/09**
			PCB	8082		10/15/09	10/17/09	
			Pesticide-TCL	8081A		10/15/09	10/22/09	

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Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-2	SDG No.:	A4695
Lab Sample ID:	A4695-01	Matrix:	SOIL
Analytical Method:	SW8082	% Moisture:	20
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
P6032132.D	1	10/15/09	10/17/09	PB45376

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.7	U	21	4.7	ug/Kg
11104-28-2	Aroclor-1221	5.7	U	21	5.7	ug/Kg
11141-16-5	Aroclor-1232	6	U	21	6	ug/Kg
53469-21-9	Aroclor-1242	2.6	U	21	2.6	ug/Kg
12672-29-6	Aroclor-1248	5.7	U	21	5.7	ug/Kg
11097-69-1	Aroclor-1254	5.8	U	21	5.8	ug/Kg
11096-82-5	Aroclor-1260	4.6	U	21	4.6	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		99%	10 - 166	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		88%	10 - 165	SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	C.T. Male & Associates	Date Collected:	10/13/09
Project:	Remediation - Dix Ave	Date Received:	10/14/09
Client Sample ID:	TOPSOILPILE-3	SDG No.:	A4695
Lab Sample ID:	A4695-02	Matrix:	SOIL
Analytical Method:	SW8082	% Moisture:	17
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
P6032133.D	1	10/15/09	10/17/09	PB45376

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.5	U	20	4.5	ug/Kg
11104-28-2	Aroclor-1221	5.5	U	20	5.5	ug/Kg
11141-16-5	Aroclor-1232	5.8	U	20	5.8	ug/Kg
53469-21-9	Aroclor-1242	2.5	U	20	2.5	ug/Kg
12672-29-6	Aroclor-1248	5.5	U	20	5.5	ug/Kg
11097-69-1	Aroclor-1254	5.6	U	20	5.6	ug/Kg
11096-82-5	Aroclor-1260	4.5	U	20	4.5	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		84%	10 - 166	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		82%	10 - 165	SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
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J = Estimated Value
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LAB CHRONICLE

OrderID:	A4695	**OrderDate:**	10/14/2009 2:36:15 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	F41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A4695-01	**TOPSOILPILE-2**	**SOIL**			**10/13/09**			**10/14/09**
			PCB	8082		10/15/09	10/17/09	
A4695-02	**TOPSOILPILE-3**	**SOIL**			**10/13/09**			**10/14/09**
			PCB	8082		10/15/09	10/17/09	

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/13/2009
Project:	Remediation - Dix Ave	**Date Received:**	10/14/2009
Client Sample ID:	TOPSOILPILE-2	**SDG No.:**	A4695
Lab Sample ID:	A4695-01	**Matrix:**	SOIL
		% Solids:	80.30

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7429-90-5	Aluminum	5690		mg/Kg	0.96	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-36-0	Antimony	0.64	U	mg/Kg	0.64	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-38-2	Arsenic	1.570		mg/Kg	0.38	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-39-3	Barium	43.8		mg/Kg	0.46	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-41-7	Beryllium	0.31	J	mg/Kg	0.07	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-43-9	Cadmium	0.39		mg/Kg	0.07	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-70-2	Calcium	8790		mg/Kg	1.220	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-47-3	Chromium	8.550		mg/Kg	0.15	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-48-4	Cobalt	4.710		mg/Kg	0.65	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-50-8	Copper	28.3		mg/Kg	0.37	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-89-6	Iron	11500		mg/Kg	1.520	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-92-1	Lead	13.9		mg/Kg	0.45	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-95-4	Magnesium	2680		mg/Kg	5.230	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-96-5	Manganese	277		mg/Kg	0.22	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-97-6	Mercury	0.071	J	mg/Kg	0.002	1	10/15/2009	10/15/2009	EPA SW-846 7471
7440-02-0	Nickel	8.660		mg/Kg	0.53	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-09-7	Potassium	494		mg/Kg	4.000	1	10/15/2009	10/15/2009	EPA SW-846 6010
7782-49-2	Selenium	0.47	U	mg/Kg	0.47	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-22-4	Silver	0.28	J	mg/Kg	0.17	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-23-5	Sodium	78.4	J	mg/Kg	2.880	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-28-0	Thallium	0.31	U	mg/Kg	0.31	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-62-2	Vanadium	14.1		mg/Kg	0.67	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-66-6	Zinc	70.8		mg/Kg	0.80	1	10/15/2009	10/15/2009	EPA SW-846 6010

Comments:

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N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/13/2009
Project:	Remediation - Dix Ave	**Date Received:**	10/14/2009
Client Sample ID:	TOPSOILPILE-3	**SDG No.:**	A4695
Lab Sample ID:	A4695-02	**Matrix:**	SOIL
		% Solids:	82.80

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7429-90-5	Aluminum	6410		mg/Kg	1.010	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-36-0	Antimony	0.68	U	mg/Kg	0.68	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-38-2	Arsenic	1.430		mg/Kg	0.40	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-39-3	Barium	52.7		mg/Kg	0.48	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-41-7	Beryllium	0.29	J	mg/Kg	0.07	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-43-9	Cadmium	0.37		mg/Kg	0.07	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-70-2	Calcium	9000		mg/Kg	1.290	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-47-3	Chromium	8.990		mg/Kg	0.16	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-48-4	Cobalt	5.750		mg/Kg	0.69	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-50-8	Copper	35.1		mg/Kg	0.39	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-89-6	Iron	10800		mg/Kg	1.610	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-92-1	Lead	19.6		mg/Kg	0.47	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-95-4	Magnesium	2650		mg/Kg	5.530	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-96-5	Manganese	449		mg/Kg	0.23	1	10/15/2009	10/15/2009	EPA SW-846 6010
7439-97-6	Mercury	0.045	J	mg/Kg	0.002	1	10/15/2009	10/15/2009	EPA SW-846 7471
7440-02-0	Nickel	9.150		mg/Kg	0.56	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-09-7	Potassium	462		mg/Kg	4.230	1	10/15/2009	10/15/2009	EPA SW-846 6010
7782-49-2	Selenium	0.50	U	mg/Kg	0.50	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-22-4	Silver	0.32	J	mg/Kg	0.18	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-23-5	Sodium	76.0	J	mg/Kg	3.040	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-28-0	Thallium	0.33	U	mg/Kg	0.33	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-62-2	Vanadium	14.6		mg/Kg	0.71	1	10/15/2009	10/15/2009	EPA SW-846 6010
7440-66-6	Zinc	77.1		mg/Kg	0.85	1	10/15/2009	10/15/2009	EPA SW-846 6010

Comments:

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J = Estimated Value
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N = Spiked sample recovery not within control limits

Hit Summary Sheet
SW-846

SDG No.: A4695 **Order ID:** A4695

Client: C.T. Male & Associates **Project ID:** Remediation - Dix Ave

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**TOPSOILPILE-2**							
A4695-01	TOPSOILPILE-2	SOIL	Aluminum	5690		5.710	0.96	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Arsenic	1.570		1.140	0.38	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Barium	43.8		5.710	0.46	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Beryllium	0.31	J	0.34	0.07	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Cadmium	0.39		0.34	0.07	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Calcium	8790		114	1.220	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Chromium	8.550		0.57	0.15	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Cobalt	4.710		1.710	0.65	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Copper	28.3		1.140	0.37	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Iron	11500		5.710	1.520	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Lead	13.9		0.69	0.45	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Magnesium	2680		114	5.230	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Manganese	277		1.140	0.22	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Mercury	0.071	J	0.249	0.002	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Nickel	8.660		2.290	0.53	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Potassium	494		114	4.000	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Silver	0.28	J	0.57	0.17	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Sodium	78.4	J	114	2.880	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Vanadium	14.1		2.290	0.67	mg/Kg
A4695-01	TOPSOILPILE-2	SOIL	Zinc	70.8		2.290	0.80	mg/Kg
Client ID:	**TOPSOILPILE-3**							
A4695-02	TOPSOILPILE-3	SOIL	Aluminum	6410		6.040	1.010	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Arsenic	1.430		1.210	0.40	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Barium	52.7		6.040	0.48	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Beryllium	0.29	J	0.36	0.07	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Cadmium	0.37		0.36	0.07	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Calcium	9000		121	1.290	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Chromium	8.990		0.60	0.16	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Cobalt	5.750		1.810	0.69	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Copper	35.1		1.210	0.39	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Iron	10800		6.040	1.610	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Lead	19.6		0.72	0.47	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Magnesium	2650		121	5.530	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Manganese	449		1.210	0.23	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Mercury	0.045	J	0.242	0.002	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Nickel	9.150		2.420	0.56	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Potassium	462		121	4.230	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Silver	0.32	J	0.60	0.18	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Sodium	76.0	J	121	3.040	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Vanadium	14.6		2.420	0.71	mg/Kg
A4695-02	TOPSOILPILE-3	SOIL	Zinc	77.1		2.420	0.85	mg/Kg

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LAB CHRONICLE

OrderID:	A4695	**OrderDate:**	10/14/2009 2:36:15 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	F41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A4695-01	**TOPSOILPILE-2**	**SOIL**			**10/13/09**			**10/14/09**
			Mercury	7471A		10/15/09	10/15/09	
			Metals ICP-TAL	6010		10/15/09	10/15/09	
A4695-02	**TOPSOILPILE-3**	**SOIL**			**10/13/09**			**10/14/09**
			Mercury	7471A		10/15/09	10/15/09	
			Metals ICP-TAL	6010		10/15/09	10/15/09	

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**10/13/2009**
Project:	**Remediation - Dix Ave**	**Date Received:**	**10/14/2009**
Client Sample ID:	**TOPSOILPILE-2**	**SDG No.:**	**A4695**
Lab Sample ID:	**A4695-01**	**Matrix:**	**SOIL**
% Solids:	**80.30**		

Analyte	Result	Qualifier	RL	Units	DF	Date Analyzed	Method
Cyanide	0.623	U	0.623	mg/Kg	1	10/16/2009	9012 Cyanide

Comment

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/13/2009
Project:	Remediation - Dix Ave	**Date Received:**	10/14/2009
Client Sample ID:	TOPSOILPILE-3	**SDG No.:**	A4695
Lab Sample ID:	A4695-02	**Matrix:**	SOIL
% Solids:	82.80		

Analyte	Result	Qualifier	RL	Units	DF	Date Analyzed	Method
Cyanide	0.603	U	0.603	mg/Kg	1	10/16/2009	9012 Cyanide

Comment

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	A4695	**OrderDate:**	10/14/2009 2:36:15 PM
Client:	C.T. Male & Associates	**Project:**	Remediation - Dix Ave
Contact:	Stephen Bieber	**Location:**	F41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
A4695-01	**TOPSOILPILE-2**	**SOIL**			**10/13/09**			**10/14/09**
			Cyanide	9012A		10/16/09	10/16/09	
A4695-02	**TOPSOILPILE-3**	**SOIL**			**10/13/09**			**10/14/09**
			Cyanide	9012A		10/16/09	10/16/09	

END OF ANALYTICAL RESULTS

3.3 ANALYTICAL SAMPLING REQUIREMENTS

A. The Engineer shall be responsible for collecting and analyzing representative soil samples of the clean soil fill provided by the Town of Kingsbury to be used for backfill. The analytical results shall be made available to the Contractor upon request. Any Contractor supplied fill in addition to that supplied by the Town of Kingsbury shall also be subjected to the same analytical sampling requirements to be conducted by the Engineer. The samples collected by the Engineer shall be collected in new clean glass jars provided by the analytical laboratory while wearing new clean nitrile gloves. The analytical samples will be placed in a cooler, retained on ice at 4°C until delivery to the laboratory, and accompanied by a chain of custody record. The Contractor must provide two days notice for sample collection by Engineer and allow for 5 to 10 days turn-around time for the analytical results.

B. The analytical laboratory used for analysis of soil samples shall be New York State Department of Health Environmental Laboratory Approval Program (ELAP) certified.

C. Imported soil fill will not be used nor allowed on-site until the analytical results have been reviewed and approved by the Engineer and/or New York State Department of Environmental Conservation.

D. Analytical requirements and frequencies for soil sampling conducted by the Engineer shall be performed in accordance with the following:

a. Virgin soil will be subject to collection of one representative composite sample per source. The sample should be analyzed for the Target Compound List (TCL) volatile organic compounds, semi-volatile organic compounds, pesticides, PCBs, and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver and cyanide). The soil will be acceptable for use as backfill provided that all parameters are equal to or below those SCGs established in New York State Department of Environmental Conservation (NYSDEC) Part 375 Environmental Restoration Programs Unrestricted Use Soil Cleanup Objectives Table 375-6.8(a). Virgin soil (i.e., derived from a natural pit) shall be documented in writing to be native soil material from areas not having supported any known prior historical industrial, commercial development, or agricultural use.

b. Non-virgin soils (i.e., not derived from a natural pit) will be analyzed for the TCL volatile organic compounds, semi-volatile organic compounds, pesticides, PCBs, and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver and cyanide) at a frequency of one composite sample for every 500 cubic yards of material from each source area. If more than 1,000 cubic yards of soil are borrowed from a given off-site non-virgin soil source area and both samples for the first 1,000 cubic yards meet site SCGs, the sample collection frequency will be reduced to one composite sample for every 2,500 cubic yards of additional soils from the same source, up to 5,000 cubic yards. For borrow sources greater than 5,000 cubic yards, sampling frequency may be reduced to one sample for every 5,000 cubic yards, provided previous samples met SCGs established in New York State Department of Environmental Conservation (NYSDEC) Part 375 Environmental Restoration Programs Unrestricted Use Soil Cleanup Objectives Table 375-6.8(a).

END OF SECTION 02097

CRUSHER RUN/#2 STONE ANALYTICAL RESULTS

PECKHAM INDUSTRIES, INC.
438 Vaughn Road • Hudson Falls • New York 12839
Tel (518) 747-3353 • Fax (518) 747-4006

Nov. 6, 2009

ATTN: Mr. Pete Long
Account Executive
EQ The Environmental Quality Company
185 Industrial Rd.
Wrentham, MA. 02093

RE: Materials Source 1-10R Town of Kingsbury

Dear Mr. Long

Please be advised that the above referenced dolomite/limestone source is from a fully permitted quarry and consists solely of virgin materials. The quarry does not support any industrial, commercial, or agricultural uses outside of the Peckham Industries permits.

Should you have any questions concerning this matter please contact me at the number listed below.

Sincerely,

Craig J. Pike

Craig J. Pike
Quality Control Manager Upstate
438 Vaughn Rd.
Hudson Falls, N.Y. 12839
518-747-3353 ext. 24

cc: Keith Decker, Land Remediation
Peter Simoneau, Peckham Industries Inc.

THE ENVIRONMENTAL QUALITY COMPANY
EQ Northeast, 185 Industrial Road, P.O. Box 617, Wrentham, MA 02093
Telephone: (508) 384.6151 Facsimile: (508) 384.6028 Internet:
www.eqonline.com

CONFIRMATORY SAMPLE RESULTS FOR CLEAN ROAD MATERIAL

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-10590-1

SDG Number: 220-10590

Job Description: Dix Ave, Kingsbury, NY

For:
Environmental Quality Northeast
185 Industrial Rd.
PO BOX 617
Wrentham, MA 02093

Attention: Mr. Pete Long

Approved for release.
Jill M Duhancik
Project Manager I
11/4/2009 12:08 PM

Jill M Duhancik
Project Manager I
jill.duhancik@testamericainc.com
11/04/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Table of Contents

Job Narrative
220-10590-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Acetone is a common laboratory contaminant and was detected in the sample at 5.2 ug/Kg.

Method(s) 8260B: The following sample had internal standard response outside of criteria: SB-207 (10-12) (220-10521-2). The matrix spike/matrix spike duplicate were compliant. Multiple reruns of the parent sample did not meet internal standard response criteria. Both sets of data were reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample SB-207 (10-12) (220-10521-2 MS), SB-207 (10-12) (220-10521-2 MSD) were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method(s) 6020: The low level check standard recovery associated with batch 32915 run on 11/2/09 at 12:57 was outside the acceptance criteria for lead at 69% and manganese at 5%.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 9012B: The matrix spike (MS) recovery for batch QC for total cyanide was outside control limits. The associated laboratory control sample (LCS), CCVL, LRA, and PDS recoveries met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-10590-1	Clean Imported stone-virgin product	Solid	10/30/2009 1400	10/31/2009 1005

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: **Clean imported stone-virgin product**

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/02/2009 1714
Date Prepared: 11/02/2009 1714

Analysis Batch: 220-32945

Instrument ID: MSO
Lab File ID: O4117.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.1	U	0.36	5.1
Chloromethane		5.1	U	0.80	5.1
Vinyl chloride		5.1	U	0.24	5.1
Bromomethane		5.1	U	2.1	5.1
Chloroethane		5.1	U	1.0	5.1
Trichlorofluoromethane		5.1	U	0.15	5.1
1,1-Dichloroethene		5.1	U	0.59	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane		5.1	U	0.81	5.1
Acetone		5.2	J *	2.3	21
Carbon disulfide		5.1	U	0.42	5.1
Methyl acetate		5.1	U	0.45	5.1
Methylene Chloride		14	J B	1.1	21
trans-1,2-Dichloroethene		5.1	U	0.40	5.1
Methyl tert-butyl ether		5.1	U	0.22	5.1
1,1-Dichloroethane		5.1	U	0.31	5.1
cis-1,2-Dichloroethene		5.1	U	0.38	5.1
Methyl Ethyl Ketone		10	U	1.6	10
Chloroform		5.1	U	0.35	5.1
1,1,1-Trichloroethane		5.1	U	0.54	5.1
Cyclohexane		5.1	U	0.71	5.1
Carbon tetrachloride		5.1	U	0.97	5.1
Benzene		5.1	U	0.58	5.1
1,2-Dichloroethane		5.1	U	0.59	5.1
Trichloroethene		5.1	U	0.83	5.1
Methylcyclohexane		5.1	U	0.34	5.1
1,2-Dichloropropane		5.1	U	0.69	5.1
Bromodichloromethane		5.1	U	0.31	5.1
cis-1,3-Dichloropropene		5.1	U	0.57	5.1
methyl isobutyl ketone		5.1	U	0.56	5.1
Toluene		5.1	U	0.076	5.1
trans-1,3-Dichloropropene		5.1	U	0.28	5.1
1,1,2-Trichloroethane		5.1	U	0.38	5.1
Tetrachloroethene		5.1	U	0.83	5.1
2-Hexanone		10	U	1.2	10
Dibromochloromethane		5.1	U	0.36	5.1
1,2-Dibromoethane		5.1	U	0.78	5.1
Chlorobenzene		5.1	U	0.60	5.1
Ethylbenzene		5.1	U	0.72	5.1
Xylenes, Total		5.1	U	0.50	5.1
Styrene		5.1	U	0.15	5.1
Bromoform		5.1	U	0.63	5.1
Isopropylbenzene		5.1	U	0.19	5.1
1,1,2,2-Tetrachloroethane		5.1	U	0.53	5.1
1,3-Dichlorobenzene		5.1	U	0.22	5.1
1,4-Dichlorobenzene		5.1	U	0.69	5.1
1,2-Dichlorobenzene		5.1	U	0.25	5.1

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: **Clean imported stone-virgin product**

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-32945		Instrument ID:	MSO
Preparation:	5030B			Lab File ID:	O4117.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	11/02/2009 1714			Final Weight/Volume:	5 mL
Date Prepared:	11/02/2009 1714				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2-Dibromo-3-Chloropropane		10	U	4.6	10
1,2,4-Trichlorobenzene		5.1	U	0.77	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		59 - 132
4-Bromofluorobenzene	92		34 - 124
Dibromofluoromethane	99		59 - 123
Toluene-d8 (Surr)	89		50 - 118

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: **Clean imported stone-virgin product**

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-32934		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-32883		Lab File ID:	C14454.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	11/03/2009 0928			Final Weight/Volume:	1.0 mL
Date Prepared:	11/02/2009 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		280	U	18	280
2,4,5-Trichlorophenol		1700	U	14	1700
2,4,6-Trichlorophenol		280	U	7.6	280
2,4-Dichlorophenol		280	U	15	280
2,4-Dimethylphenol		280	U	13	280
2,4-Dinitrotoluene		280	U	22	280
2,4-Dinitrophenol		1700	U	83	1700
2,6-Dinitrotoluene		280	U	8.1	280
2-Chloronaphthalene		280	U	12	280
2-Chlorophenol		280	U	16	280
2-Methylnaphthalene		9.8	J	7.9	280
2-Methylphenol		280	U	17	280
2-Nitroaniline		680	U	17	680
2-Nitrophenol		280	U	17	280
3,3'-Dichlorobenzidine		340	U	57	340
3-Nitroaniline		680	U	8.8	680
4,6-Dinitro-2-methylphenol		1700	U	120	1700
4-Bromophenyl phenyl ether		280	U	18	280
4-Chloro-3-methylphenol		280	U	11	280
4-Chloroaniline		280	U	45	280
4-Chlorophenyl phenyl ether		280	U	20	280
4-Methylphenol		280	U	18	280
4-Nitroaniline		280	U	21	280
4-Nitrophenol		1700	U	21	1700
Acenaphthene		280	U	16	280
Acenaphthylene		280	U	13	280
Acetophenone		280	U	14	280
Anthracene		280	U	11	280
Atrazine		340	U	17	340
Benzaldehyde		280	U	46	280
Benzo[a]anthracene		280	U	9.8	280
Benzo[a]pyrene		280	U	7.5	280
Benzo[b]fluoranthene		280	U	7.4	280
Benzo[g,h,i]perylene		280	U	18	280
Benzo[k]fluoranthene		280	U	25	280
Bis(2-chloroethoxy)methane		280	U	13	280
Bis(2-chloroethyl)ether		280	U	14	280
Bis(2-ethylhexyl) phthalate		48	J B	27	280
Butyl benzyl phthalate		280	U	15	280
Caprolactam		280	U	22	280
Carbazole		280	U	15	280
Chrysene		280	U	20	280
Di-n-butyl phthalate		280	U	40	280
Di-n-octyl phthalate		280	U	16	280
Dibenz(a,h)anthracene		280	U	22	280
Dibenzofuran		280	U	19	280

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: Clean Imported stone-virgin product

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-32934		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-32883		Lab File ID:	C14454.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	11/03/2009 0926			Final Weight/Volume:	1.0 mL
Date Prepared:	11/02/2009 1125			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Diethyl phthalate		280	U	28	280
Dimethyl phthalate		280	U	16	280
Fluoranthene		280	U	14	280
Fluorene		280	U	17	280
Hexachlorobenzene		280	U	19	280
Hexachlorobutadiene		280	U	21	280
Hexachlorocyclopentadiene		680	U	130	680
Hexachloroethane		280	U	16	280
Indeno[1,2,3-cd]pyrene		280	U	18	280
Isophorone		280	U	15	280
N-Nitrosodi-n-propylamine		280	U	19	280
N-Nitrosodiphenylamine		280	U	16	280
Naphthalene		20	J	14	280
Nitrobenzene		280	U	18	280
Pentachlorophenol		680	U	170	680
Phenanthrene		280	U	14	280
Phenol		280	U	18	280
Pyrene		280	U	13	280
2,2'-oxybis[1-chloropropane]		280	U	14	280

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		37 - 120
2-Fluorobiphenyl	79		41 - 120
2-Fluorophenol	79		34 - 120
Nitrobenzene-d5	78		38 - 120
Phenol-d5	78		36 - 120
Terphenyl-d14	80		32 - 125

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: **Clean Imported stone-virgin product**

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 11/02/2009 2256
Date Prepared: 11/02/2009 1215

Analysis Batch: 220-32922
Prep Batch: 220-32891

Instrument ID: GC8
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		3.4	U	0.61	3.4
4,4'-DDE		3.4	U	0.69	3.4
4,4'-DDT		3.4	U	0.83	3.4
Aldrin		1.7	U	0.19	1.7
alpha-BHC		1.7	U	0.25	1.7
beta-BHC		1.7	U	0.38	1.7
delta-BHC		1.7	U	0.37	1.7
Dieldrin		3.4	U	0.58	3.4
Endosulfan I		1.7	U	0.30	1.7
Endosulfan II		3.4	U	0.64	3.4
Endosulfan sulfate		3.4	U	0.61	3.4
Endrin		3.4	U	0.63	3.4
Endrin aldehyde		3.4	U	0.42	3.4
Endrin ketone		3.4	U	0.62	3.4
gamma-BHC (Lindane)		1.7	U	0.29	1.7
Heptachlor		1.7	U	0.33	1.7
Heptachlor epoxide		1.7	U	0.31	1.7
Methoxychlor		17	U	3.7	17
Toxaphene		85	U	9.4	85
alpha-Chlordane		1.7	U	0.28	1.7
gamma-Chlordane		1.7	U	0.54	1.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		25 - 159
Tetrachloro-m-xylene	88		24 - 154

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: **Clean imported stone-virgin product**

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-32922		Instrument ID:	GC8
Preparation:	3550B	Prep Batch: 220-32891		Initial Weight/Volume:	30.03 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Date Analyzed:	11/02/2009 2256			Injection Volume:	
Date Prepared:	11/02/2009 1215			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		25 - 159
Tetrachloro-m-xylene	85		24 - 154

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: **Clean Imported stone-virgin product**

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

8082 PCBs

Method:	8082	Analysis Batch: 220-32920	Instrument ID:	GC9	
Preparation:	3550B	Prep Batch: 220-32891	Initial Weight/Volume:	30.03	g
Dilution:	1.0		Final Weight/Volume:	10.0	mL
Date Analyzed:	11/02/2009 2330		Injection Volume:		
Date Prepared:	11/02/2009 1215		Result Type:	PRIMARY	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		17	U	1.3	17
PCB-1221		17	U	1.3	17
PCB-1232		17	U	1.3	17
PCB-1242		17	U	1.3	17
PCB-1248		17	U	1.3	17
PCB-1254		17	U	1.5	17
PCB-1260		17	U	1.5	17

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62		24 - 150
DCB Decachlorobiphenyl	56		24 - 150

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Client Sample ID: Clean Imported stone-virgin product

Lab Sample ID: 220-10590-1
Client Matrix: Solid % Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-32915		Instrument ID:	ICPMS
Preparation:	3050B	Prep Batch: 220-32876		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Date Analyzed:	11/02/2009 1513			Final Weight/Volume:	1000 mL
Date Prepared:	11/02/2009 0938				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.44	U	0.088	0.44
Aluminum		809		4.4	22.1
Arsenic		4.9		0.088	0.44
Barium		7.6		0.13	0.44
Beryllium		0.22	J	0.13	0.44
Cadmium		0.44	U	0.088	0.44
Cobalt		1.8		0.088	0.44
Chromium		3.9		0.18	0.88
Copper		2.2		0.088	0.88
Iron		4900		7.1	22.1
Potassium		526		4.4	44.2
Magnesium		76300		4.4	44.2
Manganese		156		0.18	1.1
Sodium		95.2		14.6	44.2
Nickel		5.1		0.088	0.44
Lead		4.1		0.088	0.44
Antimony		0.71	U	0.18	0.71
Selenium		0.36	J	0.27	0.88
Thallium		0.62	U	0.18	0.62
Vanadium		7.1		0.088	0.44
Zinc		6.3		0.44	4.4

Method:	6020	Analysis Batch: 220-32915		Instrument ID:	ICPMS
Preparation:	3050B	Prep Batch: 220-32876		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	1.16 g
Date Analyzed:	11/02/2009 1619			Final Weight/Volume:	1000 mL
Date Prepared:	11/02/2009 0938				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		182000		66.3	221

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-32979		Instrument ID:	MERC1
Preparation:	7471A	Prep Batch: 220-32943		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	11/04/2009 1022			Final Weight/Volume:	50 mL
Date Prepared:	11/03/2009 1215				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0083	J	0.0038	0.047

General Chemistry

Client Sample ID: **Clean imported stone-virgin product**

Lab Sample ID: 220-10590-1
Client Matrix: Solid
% Moisture: 2.4

Date Sampled: 10/30/2009 1400
Date Received: 10/31/2009 1005

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	513	U	ug/Kg	123	513	1.0	9012B
Analysis Batch: 220-32947	Date Analyzed: 11/03/2009 1228						DryWt Corrected: Y
Prep Batch: 220-32941	Date Prepared: 11/02/2009 1520						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-32914	Date Analyzed: 11/02/2009 1634						DryWt Corrected: N
Percent Solids	97.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-32914	Date Analyzed: 11/02/2009 1634						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Environmental Quality Northeast

Job Number: 220-10590-1
Sdg Number: 220-10590

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	B	The analyte was found in an associated blank, as well as in the sample.
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	B	The analyte was found in an associated blank, as well as in the sample.
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC Semi VOA		
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	U	Indicates analyzed for but not detected.

2049

10590

Connecticut
128 Long Hill Cross Road
Shelton, CT 6484
Phone 203.929.8140 fax 203.929.8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Client Contact				
EQ Northeast	Dave Ciroll	Dave Ciroll	10/29/2009	COC No: ____ of ____ COCs
185 Industrial RD	508-384-6151 x 1206	Dix (Albany NY) AVERS	Carrier:	Job No.
Wrentham Ma 02093				SDG No.
508-384-6151				
508-384-6028				
Dix Avenue				
Kingsbury NY				
PO#				

Analysis Turnaround Time

Chain of Custody Record

TAT if different from below ____

- [ ] 2 weeks
- [ ] 1 week
- [x] 3 days
- [ ] 1 day

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TLC VOC	SVOC	PESTICIDES	PCB	METALS	Sample Specific Notes:
Clean imported stone-virgin product	30-Oct	2:00pm	comp	stone	1	X	X	X	X	X	

No Ice
18.6°C [illegible]
Passed [illegible] Screen

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other ______

Possible Hazard Identification
[x] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [ ] Disposal By Lab [ ] Archive For ______ Months

Special Instructions/QC Requirements & Comments:

PER PART 375 ERP PROGRAMS (TLC)

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by: [signature]	Company: EQ NORTHEAST	Date/Time: 10/30 2304	Received by: JMD for Kb	Company: TACT	Date/Time: 10/31/09 1005
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

PHOENIX
Environmental Laboratories, Inc.

Friday, November 13, 2009

Attn: Mr. Jeff Marx
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Project ID: FORMER DIX AVE. DRIVE-IN
Sample ID#s: AS44429

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
TX Lab Registration #T104704451-09TX
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 13, 2009

FOR: Attn: Mr. Jeff Marx
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JM	11/09/09	10:40
Location Code:	CT-MALE	Received by:	LDF	11/10/09	9:41
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	07.7412				

Laboratory Data

SDG ID: GAS44429
Phoenix ID: AS44429

Project ID: FORMER DIX AVE. DRIVE-IN

Client ID: GRAVEL PIT COMP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	11/10/09		c/JL	E160.3
Soil Extraction for SVOA	Completed			11/10/09		BS/D	SW3545
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,1,1-Trichloroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,1,2-Trichloroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,1-Dichloroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,1-Dichloroethene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,1-Dichloropropene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2,3-Trichloropropane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2-Dichlorobenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2-Dichloroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,2-Dichloropropane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,3-Dichlorobenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,3-Dichloropropane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
1,4-Dichlorobenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
2,2-Dichloropropane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
2-Chlorotoluene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
2-Hexanone	ND	26	ug/Kg	11/10/09		R/J	SW8260
2-Isopropyltoluene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
4-Chlorotoluene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
4-Methyl-2-pentanone	ND	26	ug/Kg	11/10/09		R/J	SW8260

Project ID: FORMER DIX AVE. DRIVE-IN
Client ID: GRAVEL PIT COMP

Phoenix I.D.: AS44429

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	26	ug/Kg	11/10/09		R/J	SW8260
Acrylonitrile	ND	10	ug/Kg	11/10/09		R/J	SW8260
Benzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Bromobenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Bromochloromethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Bromodichloromethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Bromoform	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Bromomethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Carbon Disulfide	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Carbon tetrachloride	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Chlorobenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Chloroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Chloroform	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Chloromethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Dibromochloromethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Dibromoethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Dibromomethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Dichlorodifluoromethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Ethylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Hexachlorobutadiene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Isopropylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
m&p-Xylene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Methyl Ethyl Ketone	ND	26	ug/Kg	11/10/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	11/10/09		R/J	SW8260
Methylene chloride	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Naphthalene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
n-Butylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
n-Propylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
o-Xylene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
p-Isopropyltoluene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
sec-Butylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Styrene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
tert-Butylbenzene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Tetrachloroethene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	11/10/09		R/J	SW8260
Toluene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Total Xylenes	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	11/10/09		R/J	SW8260
Trichloroethene	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Trichlorofluoromethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Trichlorotrifluoroethane	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
Vinyl chloride	ND	5.2	ug/Kg	11/10/09		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	111		%	11/10/09		R/J	SW8260
% Bromofluorobenzene	95		%	11/10/09		R/J	SW8260
% Dibromofluoromethane	97		%	11/10/09		R/J	SW8260
% Toluene-d8	95		%	11/10/09		R/J	SW8260

Project ID: FORMER DIX AVE. DRIVE-IN
Client ID: GRAVEL PIT COMP

Phoenix I.D.: AS44429

Parameter	Result	RL	Units	Date	Time	By	Reference
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	230	ug/Kg	11/12/09		HM	SW 8270
1,2,4-Trichlorobenzene	ND	230	ug/Kg	11/12/09		HM	SW 8270
1,2-Dichlorobenzene	ND	230	ug/Kg	11/12/09		HM	SW 8270
1,3-Dichlorobenzene	ND	230	ug/Kg	11/12/09		HM	SW 8270
1,4-Dichlorobenzene	ND	230	ug/Kg	11/12/09		HM	SW 8270
2,4,5-Trichlorophenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
2,4,6-Trichlorophenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
2,4-Dichlorophenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
2,4-Dimethylphenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
2,4-Dinitrophenol	ND	530	ug/Kg	11/12/09		HM	SW 8270
2,4-Dinitrotoluene	ND	230	ug/Kg	11/12/09		HM	SW 8270
2,6-Dinitrotoluene	ND	230	ug/Kg	11/12/09		HM	SW 8270
2-Chloronaphthalene	ND	230	ug/Kg	11/12/09		HM	SW 8270
2-Chlorophenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
2-Methylnaphthalene	ND	230	ug/Kg	11/12/09		HM	SW 8270
2-Methylphenol (o-cresol)	ND	230	ug/Kg	11/12/09		HM	SW 8270
2-Nitroaniline	ND	530	ug/Kg	11/12/09		HM	SW 8270
2-Nitrophenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	11/12/09		HM	SW 8270
3,3'-Dichlorobenzidine	ND	400	ug/Kg	11/12/09		HM	SW 8270
3-Nitroaniline	ND	530	ug/Kg	11/12/09		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	970	ug/Kg	11/12/09		HM	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	11/12/09		HM	SW 8270
4-Chloro-3-methylphenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
4-Chloroaniline	ND	230	ug/Kg	11/12/09		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	230	ug/Kg	11/12/09		HM	SW 8270
4-Nitroaniline	ND	530	ug/Kg	11/12/09		HM	SW 8270
4-Nitrophenol	ND	970	ug/Kg	11/12/09		HM	SW 8270
Acenaphthene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Acenaphthylene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Acetophenone	ND	230	ug/Kg	11/12/09		HM	SW 8270
Aniline	ND	970	ug/Kg	11/12/09		HM	SW 8270
Anthracene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Azobenzene	ND	330	ug/Kg	11/12/09		HM	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Benzidine	ND	400	ug/Kg	11/12/09		HM	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Benzoic acid	ND	970	ug/Kg	11/12/09		HM	SW 8270
Benzyl butyl phthalate	ND	230	ug/Kg	11/12/09		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	230	ug/Kg	11/12/09		HM	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	11/12/09		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	230	ug/Kg	11/12/09		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	230	ug/Kg	11/12/09		HM	SW 8270
Carbazole	ND	970	ug/Kg	11/12/09		HM	SW 8270
Chrysene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	11/12/09		HM	SW 8270

Project ID: FORMER DIX AVE. DRIVE-IN
Client ID: GRAVEL PIT COMP

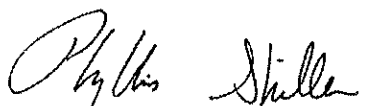
Phoenix I.D.: AS44429

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenzofuran	ND	230	ug/Kg	11/12/09		HM	SW 8270
Diethyl phthalate	ND	230	ug/Kg	11/12/09		HM	SW 8270
Dimethylphthalate	ND	230	ug/Kg	11/12/09		HM	SW 8270
Di-n-butylphthalate	ND	230	ug/Kg	11/12/09		HM	SW 8270
Di-n-octylphthalate	ND	230	ug/Kg	11/12/09		HM	SW 8270
Fluoranthene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Fluorene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Hexachlorobenzene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Hexachlorobutadiene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Hexachlorocyclopentadiene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Hexachloroethane	ND	230	ug/Kg	11/12/09		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Isophorone	ND	230	ug/Kg	11/12/09		HM	SW 8270
Naphthalene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Nitrobenzene	ND	230	ug/Kg	11/12/09		HM	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	11/12/09		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	230	ug/Kg	11/12/09		HM	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	11/12/09		HM	SW 8270
Pentachloronitrobenzene	ND	330	ug/Kg	11/12/09		HM	SW 8270
Pentachlorophenol	ND	330	ug/Kg	11/12/09		HM	SW 8270
Phenanthrene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Phenol	ND	230	ug/Kg	11/12/09		HM	SW 8270
Pyrene	ND	230	ug/Kg	11/12/09		HM	SW 8270
Pyridine	ND	330	ug/Kg	11/12/09		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88		%	11/12/09		HM	SW 8270
% 2-Fluorobiphenyl	67		%	11/12/09		HM	SW 8270
% 2-Fluorophenol	72		%	11/12/09		HM	SW 8270
% Nitrobenzene-d5	66		%	11/12/09		HM	SW 8270
% Phenol-d5	71		%	11/12/09		HM	SW 8270
% Terphenyl-d14	52		%	11/12/09		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director
November 13, 2009

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 13, 2009

QA/QC Data

SDG I.D.: GAS44429

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
QA/QC Batch 141727, QC Sample No: AS41950 (AS44429)								
Volatiles								
1,1,1,2-Tetrachloroethane	ND	112	104	7.4	100	105	4.9	
1,1,1-Trichloroethane	ND	121	105	14.2	95	112	16.4	
1,1,2,2-Tetrachloroethane	ND	103	101	2.0	132	131	0.8	3
1,1,2-Trichloroethane	ND	113	111	1.8	139	140	0.7	3
1,1-Dichloroethane	ND	129	117	9.8	104	111	6.5	
1,1-Dichloroethene	ND	105	94	11.1	62	76	20.3	3
1,1-Dichloropropene	ND	109	99	9.6	102	104	1.9	
1,2,3-Trichlorobenzene	ND	87	80	8.4	105	112	6.5	
1,2,3-Trichloropropane	ND	95	95	0.0	95	95	0.0	
1,2,4-Trichlorobenzene	ND	77	73	5.3	110	113	2.7	
1,2,4-Trimethylbenzene	ND	94	93	1.1	107	105	1.9	
1,2-Dibromo-3-chloropropane	ND	105	103	1.9	90	100	10.5	
1,2-Dichlorobenzene	ND	94	91	3.2	101	103	2.0	
1,2-Dichloroethane	ND	112	109	2.7	105	102	2.9	
1,2-Dichloropropane	ND	111	104	6.5	103	104	1.0	
1,3,5-Trimethylbenzene	ND	97	96	1.0	107	104	2.8	
1,3-Dichlorobenzene	ND	87	87	0.0	104	103	1.0	
1,3-Dichloropropane	ND	108	106	1.9	98	97	1.0	
1,4-Dichlorobenzene	ND	87	86	1.2	105	104	1.0	
2,2-Dichloropropane	ND	105	93	12.1	94	110	15.7	
2-Chlorotoluene	ND	96	95	1.0	103	101	2.0	
2-Hexanone	ND	75	80	6.5	114	104	9.2	
2-Isopropyltoluene	ND	101	98	3.0	109	109	0.0	
4-Chlorotoluene	ND	89	91	2.2	104	100	3.9	
4-Methyl-2-pentanone	ND	109	107	1.9	>150	>150	NC	
Acetone	ND	70	83	17.0	124	93	28.6	
Acrylonitrile	ND	<70	<70	NC	<30	<30	NC	
Benzene	ND	108	101	6.7	99	104	4.9	
Bromobenzene	ND	95	98	3.1	100	97	3.0	
Bromochloromethane	ND	115	106	8.1	100	108	7.7	
Bromodichloromethane	ND	115	110	4.4	102	99	3.0	
Bromoform	ND	112	113	0.9	89	97	8.6	
Bromomethane	ND	97	97	0.0	77	87	12.2	
Carbon Disulfide	ND	106	92	14.1	60	72	18.2	
Carbon tetrachloride	ND	119	107	10.6	81	90	10.5	
Chlorobenzene	ND	103	99	4.0	102	104	1.9	
Chloroethane	ND	107	98	8.8	38	35	8.2	3
Chloroform	ND	117	110	6.2	100	105	4.9	

QA/QC Data

SDG I.D.: GAS44429

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
Chloromethane	ND	113	115	1.8	117	114	2.6	
cis-1,2-Dichloroethene	ND	117	109	7.1	100	106	5.8	
cis-1,3-Dichloropropene	ND	103	101	2.0	103	101	2.0	
Dibromochloromethane	ND	113	108	4.5	92	94	2.2	
Dibromoethane	ND	109	110	0.9	113	104	8.3	
Dibromomethane	ND	112	114	1.8	107	107	0.0	
Dichlorodifluoromethane	ND	110	108	1.8	112	102	9.3	
Ethylbenzene	ND	102	100	2.0	102	107	4.8	
Hexachlorobutadiene	ND	91	84	8.0	111	111	0.0	
Isopropylbenzene	ND	101	101	0.0	105	100	4.9	
m&p-Xylene	ND	101	98	3.0	110	109	0.9	
Methyl ethyl ketone	ND	80	87	8.4	>150	125	NC	
Methyl t-butyl ether (MTBE)	ND	94	84	11.2	85	116	30.8	
Methylene chloride	ND	105	95	10.0	81	85	4.8	
Naphthalene	ND	106	101	4.8	104	109	4.7	
n-Butylbenzene	ND	88	88	0.0	110	111	0.9	
n-Propylbenzene	ND	95	96	1.0	106	101	4.8	
o-Xylene	ND	104	100	3.9	106	109	2.8	
p-Isopropyltoluene	ND	92	92	0.0	108	108	0.0	
sec-Butylbenzene	ND	99	97	2.0	103	104	1.0	
Styrene	ND	101	101	0.0	109	110	0.9	
tert-Butylbenzene	ND	102	102	0.0	106	104	1.9	
Tetrachloroethene	ND	96	92	4.3	102	105	2.9	
Tetrahydrofuran (THF)	ND	120	117	2.5	126	118	6.6	
Toluene	ND	105	99	5.9	104	105	1.0	
trans-1,2-Dichloroethene	ND	88	78	12.0	74	104	33.7	
trans-1,3-Dichloropropene	ND	102	103	1.0	105	106	0.9	
trans-1,4-dichloro-2-butene	ND	95	95	0.0	95	95	0.0	
Trichloroethene	ND	108	104	3.8	100	103	3.0	
Trichlorofluoromethane	ND	121	104	15.1	40	46	14.0	3
Trichlorotrifluoroethane	ND	112	96	15.4	63	79	22.5	
Vinyl chloride	ND	108	105	2.8	131	135	3.0	3
% 1,2-dichlorobenzene-d4	100	102	102	0.0	101	101	0.0	
% Bromofluorobenzene	99	106	107	0.9	117	115	1.7	
% Dibromofluoromethane	89	101	105	3.9	102	104	1.9	
% Toluene-d8	97	102	103	1.0	107	107	0.0	
QA/QC Batch 141657, QC Sample No: AS44513 (AS44429)								
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	78	96	20.7	89	85	4.6	
1,2,4-Trichlorobenzene	ND	69	84	19.6	76	74	2.7	
1,2-Dichlorobenzene	ND	64	70	9.0	65	66	1.5	
1,3-Dichlorobenzene	ND	64	70	9.0	68	66	3.0	
1,4-Dichlorobenzene	ND	63	71	11.9	66	66	0.0	
2,4,5-Trichlorophenol	ND	69	81	16.0	76	78	2.6	
2,4,6-Trichlorophenol	ND	65	89	31.2	82	80	2.5	
2,4-Dichlorophenol	ND	72	87	18.9	84	82	2.4	
2,4-Dimethylphenol	ND	50	56	11.3	54	55	1.8	
2,4-Dinitrophenol	ND	<30	<30	NC	NC	NC	NC	

QA/QC Data

SDG I.D.: GAS44429

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
2,4-Dinitrotoluene	ND	76	90	16.9	82	80	2.5
2,6-Dinitrotoluene	ND	75	87	14.8	80	82	2.5
2-Chloronaphthalene	ND	67	82	20.1	77	74	4.0
2-Chlorophenol	ND	58	69	17.3	63	60	4.9
2-Methylnaphthalene	ND	64	79	21.0	75	74	1.3
2-Methylphenol (o-cresol)	ND	56	68	19.4	66	67	1.5
2-Nitroaniline	ND	86	105	19.9	100	98	2.0
2-Nitrophenol	ND	87	109	22.4	106	116	9.0
3&4-Methylphenol (m&p-cresol)	ND	60	71	16.8	68	68	0.0
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC	N/A	N/A	NC
3-Nitroaniline	ND	80	96	18.2	79	83	4.9
4,6-Dinitro-2-methylphenol	ND	<30	50	NC	49	56	13.3
4-Bromophenyl phenyl ether	ND	82	94	13.6	89	89	0.0
4-Chloro-3-methylphenol	ND	78	93	17.5	90	90	0.0
4-Chloroaniline	ND	69	83	18.4	59	63	6.6
4-Chlorophenyl phenyl ether	ND	80	93	15.0	84	88	4.7
4-Nitroaniline	ND	68	78	13.7	69	71	2.9
4-Nitrophenol	ND	62	81	26.6	64	64	0.0
Acenaphthene	ND	65	78	18.2	70	70	0.0
Acenaphthylene	ND	68	80	16.2	76	76	0.0
Acetophenone	ND	66	75	12.8	78	74	5.3
Aniline	ND	N/A	N/A	NC	N/A	N/A	NC
Anthracene	ND	71	84	16.8	83	84	1.2
Azobenzene	ND	83	93	11.4	86	86	0.0
Benz(a)anthracene	ND	74	85	13.8	74	76	2.7
Benzidine	ND	N/A	N/A	NC	N/A	N/A	NC
Benzo(a)pyrene	ND	70	81	14.6	74	76	2.7
Benzo(b)fluoranthene	ND	70	85	19.4	80	80	0.0
Benzo(ghi)perylene	ND	68	80	16.2	78	80	2.5
Benzo(k)fluoranthene	ND	69	80	14.8	84	85	1.2
Benzoic acid	ND	N/A	N/A	NC	N/A	N/A	NC
Benzyl butyl phthalate	ND	80	90	11.8	86	90	4.5
Bis(2-chloroethoxy)methane	ND	64	81	23.4	68	70	2.9
Bis(2-chloroethyl)ether	ND	59	69	15.6	65	66	1.5
Bis(2-chloroisopropyl)ether	ND	54	62	13.8	52	52	0.0
Bis(2-ethylhexyl)phthalate	ND	80	96	18.2	92	95	3.2
Carbazole	ND	71	84	16.8	83	84	1.2
Chrysene	ND	75	85	12.5	75	77	2.6
Dibenz(a,h)anthracene	ND	68	83	19.9	81	81	0.0
Dibenzofuran	ND	68	81	17.4	77	76	1.3
Diethyl phthalate	ND	86	101	16.0	92	93	1.1
Dimethylphthalate	ND	78	90	14.3	84	84	0.0
Di-n-butylphthalate	ND	77	89	14.5	87	88	1.1
Di-n-octylphthalate	ND	80	92	14.0	88	93	5.5
Fluoranthene	ND	76	88	14.6	78	73	6.6
Fluorene	ND	74	88	17.3	81	80	1.2
Hexachlorobenzene	ND	93	110	16.7	107	108	0.9
Hexachlorobutadiene	ND	85	104	20.1	97	94	3.1
Hexachlorocyclopentadiene	ND	65	70	7.4	<30	<30	NC

QA/QC Data

SDG I.D.: GAS44429

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Hexachloroethane	ND	77	87	12.2	81	79	2.5
Indeno(1,2,3-cd)pyrene	ND	70	84	18.2	84	85	1.2
Isophorone	ND	70	83	17.0	75	74	1.3
Naphthalene	ND	64	76	17.1	70	70	0.0
Nitrobenzene	ND	69	81	16.0	74	74	0.0
N-Nitrosodimethylamine	ND	43	47	8.9	35	38	8.2
N-Nitrosodi-n-propylamine	ND	64	70	9.0	72	71	1.4
N-Nitrosodiphenylamine	ND	82	96	15.7	85	90	5.7
Pentachloronitrobenzene	ND	103	104	1.0	111	117	5.3
Pentachlorophenol	ND	<30	58	NC	88	94	6.6
Phenanthrene	ND	67	77	13.9	78	84	7.4
Phenol	ND	56	67	17.9	65	63	3.1
Pyrene	ND	74	86	15.0	75	73	2.7
Pyridine	ND	36	42	15.4	<30	<30	NC
% 2,4,6-Tribromophenol	97	81	105	25.8	102	108	5.7
% 2-Fluorobiphenyl	70	67	75	11.3	70	68	2.9
% 2-Fluorophenol	68	58	65	11.4	60	62	3.3
% Nitrobenzene-d5	70	74	86	15.0	64	64	0.0
% Phenol-d5	64	59	67	12.7	60	64	6.5
% Terphenyl-d14	73	66	76	14.1	68	67	1.5

3 = This parameter is outside laboratory ms/msd specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
November 13, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

NY Temperature Narration

November 13, 2009

SDG I.D.: GAS44429

The samples in this delivery group were received at 4C.
(Note acceptance criteria is above freezing up to 6C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4° Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: j.marx@ctmale.com

Customer: C.T. MALE ASSOCIATES, P.C.
Address: 50 CENTURY HILL DRIVE
LATHAM, NY 12110

Project: FORMER DIX. AVE. DRIVE-IN
Report to: JEFF MARX
Invoice to: JEFF MARX

Project P.O: 07.7412
Phone #: (518) 786-7400
Fax #: (518) 786-7299

Client Sample - Information - Identification

Sampler's Signature: Jeffrey A. Marx Date: 11/9/09

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCL VOCs 8260	TCL SVOCs 8270	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (4) oz As Is	GL Soil container (8) oz As Is	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
44429	GRAVEL PIT COMP	S	11/9/09	10:40A	X	X		1	1							

Relinquished by:	Accepted by:	Date:	Time:
Jeffrey A. Marx	Gregory J. [illegible]	9 November 09	1635
Gregory [illegible]			
Eastern Connection	[illegible]	10.10.09	9:41

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other

* SURCHARGE APPLIES

~~NJ~~
☐ Res. Criteria
☐ Non Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

~~NY~~
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☒ Phoenix Std Report
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: J.Marx@CTMale.com

Customer: C.T. MALE ASSOCIATES, P.C.
Address: 50 CENTURY HILL DRIVE, LATHAM, NY 12110

Project: FORMER DIX. AVE. DRIVE-IN
Report to: JEFF MARX
Invoice to: JEFF MARX

Project P.O: 07.7412
Phone #: (518) 786-7400
Fax #: (518) 786-7299

Client Sample - Information - Identification

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DW=drinking water WW=wastewater S=soil/solid O=oil
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Analysis Request

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	GRAVEL PIT COMP	S	11/9/09	10:40A	X	X		1	1							

Relinquished by:	Accepted by:	Date:	Time:
Jeffrey A. Marx		9 November 09	1635

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☒ Phoenix Std Report
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

Comments, Special Requirements or Regulations:

State where samples were collected: NY