UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

FEB 26 2015

REPLY TO THE ATTENTION OF:

Mr. Brian Heitkamp
Chief Operating Officer
Tech Town Holdings, LLC
c/o CityWide Development Corporation
8 North Main Street
Dayton, Ohio 45402

Re: Request for 40 CFR §761.61(c) Approval – Amended Work Plan for Risk-Based Management of PCB-Contaminated Material – Dayton Tech Town, Area of Interest (AOI) 36 – Building 15 T-Trench Soil

Dear Mr. Heitkamp:

This is in response to your January 21, 2015 Request for 40 Code of Federal Regulations (CFR) § 761.61(c) Approval of an August 8, 2012 Amended Work Plan (Application) for Risk-Based Management of Polychlorinated Biphenyl (PCB) Material at the Dayton Tech Town site, specifically, for the Area of Interest (AOI) 36, Building 15 T-Trench Soil area. The Application was previously submitted by the site owner at the time, the City of Dayton.

On behalf of the City of Dayton, Westin Solutions Inc., originally submitted a Work Plan under 40 CFR § 761.61(c) in August 2010 to address PCB contamination at four Areas of Interest at the Tech Town site undergoing closure through the Ohio Voluntary Action Program (VAP). The City of Dayton was working to remediate this portion of the former General Motors (GM) Delphi Harrison Radiator Thermal Systems Plant to comply with Ohio VAP standards for commercial and industrial reuse as a campus for technology-oriented companies. EPA conditionally approved the August 2010 Work Plan on September 9, 2010. The remedial goals for the AOI-36 area soils were 25 milligram per kilogram (mg/kg) PCBs. The City of Dayton performed a series of soil removal actions to meet the 25 mg/kg cleanup goal; however, soil contamination exceeding the cleanup goal was discovered to be more extensive than originally anticipated. A delineation effort was done in 2011 to determine the extent of PCB impacted soils at AOI-36. PCBs remain at AOI-36 at levels exceeding the allowable PCB levels for unrestricted use under 40 CFR § 761.61(a).

In June 2011, EPA conveyed information to the City of Dayton via email regarding the contents required of a Risk-Based Disposal Application under § 761.61(c) to address the proposed disposal of residual PCB contamination at AOI-36 for a commercial/industrial land use. The August 8, 2012 Application describes the removal efforts undertaken at AOI-36, the remaining PCB soil and groundwater contamination at AOI-36, the Interim Measures taken, and the proposed remedial measures for the remaining residual PCB Remediation Waste. In May 2013, the City of Dayton

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provided additional information in response to EPA comments on the August 8, 2012 Application.

The Application, as submitted, requests a risk-based disposal determination to address the residual PCB contamination at the AOI-36 site under 40 CFR § 761.61(c) by proposing the following activities:

- Maintaining the existing "interim" engineered barrier overlying the PCB Remediation Waste at the AOI-36 area as a final barrier (i.e. from bottom to top: #2 stone aggregate, 30 millimeter HDPE geomembrane, #304 stone, and an impervious cover consisting of either asphalt driveway, concrete island, and paved parking spaces).

- Including a notation within the Environmental Covenant and associated support documentation that is filed with the deed at the completion of voluntary action that identifies PCB Remediation Waste remaining in soil at AOI-36.

- Monitoring groundwater on a bi-annual basis to assess for potential migration. Monitoring shall include low-flow sampling of MW67 (located within AOI-36) and sentry wells: MW5, MW65, MW68, and MW70.

- Notifying EPA prior to any full breach of the engineered barrier.

- Applying and implementing land and groundwater use restrictions.

The City of Dayton applied the Ohio VAP standards to identify a site-specific single chemical PCB soil standard of 226 mg/kg calculated to be protective of construction and excavation worker activities. This was derived on the basis that the redevelopment in the AOI-36 area is complete and the reasonably anticipated future construction and excavation worker exposure frequency to any contaminated PCB soils at AOI-36 would be limited to repairs or maintenance of utility lines not exceeding 20 days of potential exposure per year.

PCBs remain in soils at AOI-36 exceeding the site-specific standard of 226 mg/kg. A notation will be placed within the Environmental Covenant to identify the presence of PCBs in the AOI-36 area and include a requirement to preserve the engineered barrier.

PCBs were discovered in groundwater at MW67 at levels above the TSCA unrestricted use standard of 0.5 µg/L. Potable groundwater use will be prohibited and non-potable groundwater use will be restricted as part of the Environmental Covenant to be recorded at the completion of the voluntary action. Additionally, in August 2009, Ohio EPA issued an Urban Setting Designation approval to the City for a 180-acre area that includes the Tech Town properties under which the groundwater is identified as not currently being used and will not be used for drinking water purposes in the foreseeable future. A groundwater monitoring program at four down-gradient sentry wells will be implemented to demonstrate that PCBs discovered at MW67 are not migrating away from AOI-36.

Subject to the conditions of Attachment 1, this approval is granted in accordance with the federal PCB regulations codified at 40 CFR § 761.61(c), under which the Regional Administrator may approve a method to dispose of PCB Remediation Waste if it is found that the method will not pose an unreasonable risk of injury to human health or the environment. The Regional Administrator has redelegated this approval authority to the Director of the Land and Chemicals Division. This approval is based on our finding that the use of an engineered barrier, groundwater monitoring, and the use of institutional controls (i.e., Environmental Covenant and Urban Setting Designation) to limit human exposure to the remaining on-site PCB-contaminated soil and groundwater will not pose an unreasonable risk to human health and the environment. Compliance with the specific conditions of this approval will also ensure the continued maintenance of these specific monitoring, engineering, and institutional controls. This approval is effective as of the date of this letter.

EPA shall not consider this project complete until it has received all submittals required under this Approval. Upon EPA receipt and review of the submittals, we may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Application, and this Approval.

Tech Town Holdings is responsible for ensuring continued compliance with all applicable provisions of the Toxic Substances Control Act (TSCA), the federal PCB regulations, and the conditions of this Approval. Any departure from the conditions of this Approval or the Notification must receive prior written authorization from this office. Further, this Approval does not relieve Tech Town Holdings from compliance with any other federal, State, or local regulatory requirements. This Approval does not preclude EPA from initiating any enforcement action, including an action seeking civil penalties, suspension or termination of the Approval for any violation, or requiring additional cleanup should Tech Town Holdings fail to abide by this Approval. All conditions of this Approval and other applicable requirements of TSCA and its implementing regulations will continue to apply to the Site after any transfer in ownership.

If you have any questions regarding this approval, please do not hesitate to call Peter Ramanauskas, of my staff, at (312) 886-7890.

Sincerely,

Margaret M. Guerriero
Director
Land and Chemicals Division

Enclosure

cc: Chris Lipson, City of Dayton
Michelle Bakkila, Weston Solutions

## ATTACHMENT 1

## APPROVAL CONDITIONS

### A. Inspection, Maintenance and Monitoring

1. Tech Town Holdings will monitor and inspect the AOI-36 engineered barrier on a biannual basis for evidence of cracks, breaches, settlement or other defects that would impair its integrity.

2. If the biannual inspection conducted pursuant to Condition A.1 reveals defects affecting engineered barrier integrity, Tech Town Holdings will begin all activities and repairs necessary to repair the integrity of the AOI-36 engineered barrier within 72 hours of discovery. The repair method will be specific to the defect and will be determined at the time of discovery. Should Tech Town Holdings determine that a full breach of the engineered barrier or asphalt/concrete replacement is necessary, Tech Town Holdings will notify U.S. EPA upon such determination and prior to replacement activity in accordance with the notification Condition D.1.

3. Monitoring well MW67 and sentry wells MW5, MW65, MW68 and MW70 will be sampled biannually for PCBs. If PCB levels at the sentry wells exceed the 40 CFR §761.79(b)(1)(ii) level of 3 micrograms per liter (µg/L), the wells will be resampled within two weeks of validation of the initial results. If resampling results in a PCB detection above 3 ug/L, Tech Town Holdings will evaluate the results, contact U.S. EPA within one working day of confirmation, and submit a groundwater assessment proposal, including an assessment of additional remedial activities, to U.S. EPA within 90 days.

4. If after 3 years of biannual sampling, PCBs are not detected in the sentry wells at levels above 3 µg/L, Tech Town Holdings may submit a proposal to U.S. EPA to modify the groundwater monitoring program.

### B. Property Use and Restrictions

1. At least 30 days prior to recording the Environmental Covenant for the AOI-36 area (Lot 84413), Tech Town Holdings will submit a draft copy for review to EPA, Region 5.

2. Tech Town Holdings will file an Environmental Covenant for the AOI-36 area (Lot 84413) upon U.S. EPA's approval and signature reflecting the activity and use limitations and provide a copy of the fully executed and filed Environmental Covenant to U.S. EPA.

## C. Change of Ownership

1. At least 45 days before conveying, in any manner, ownership or responsibility of the AOI-36 area (Lot 84413), Tech Town Holdings will notify U.S. EPA of its intent to convey such ownership or responsibility. Such notice will include the date of the intended conveyance, and the name, address, and phone number of the intended new owner or responsible person. If the conveyance is being made to a corporate entity, this notice will also include the name of a contact person.

## D. Recordkeeping, Notification, and Reporting

1. If there is a planned change in land use requiring changes in the Environmental Covenant or permanent removal of the engineered barrier, Tech Town Holdings will provide U.S. EPA with at least 60 days notice prior to change in land use and/or permanent removal of the engineered barrier, describing the nature and scope, location, and purpose of the proposed activity and describing how the activity will comply with 40 CFR §761.61.

2. Tech Town Holdings will conduct any removal of the engineered barrier and/or additional remediation of underlying soils in accordance with 29 C.F.R. Parts 1910 and 1926, 40 CFR Part 761, and all other applicable federal, State and local laws and in accordance with Condition D.1. Any excavated underlying soils exceeding 25 mg/kg PCBs will be disposed of off-site in accordance with the September 9, 2010 Work Plan Conditional Approval.

3. Tech Town Holdings will maintain all records and documents required by this Approval and 40 CFR Part 761 Subparts J and K including results of each engineered barrier inspection, groundwater monitoring event, and repairs to the cover.

4. Tech Town Holdings will submit an annual report to U.S. EPA identifying groundwater monitoring results and the results of cover inspections and repairs. Tech Town Holdings will maintain such records will as long as it owns the AOI-36 area (Lot 84413), and will transfer those records to any subsequent owners at the time of conveyance.

5. Tech Town Holdings will implement a Risk Mitigation Plan to communicate chemical risks and mitigation requirements to construction workers. Limitations on soil disturbance in AOI-36 will be identified consistent with terms of the Environmental Covenant within the Risk Mitigation Plan.

CITYWIDE
MOVING DAYTON FORWARD

21 January 2015

Mr. Peter Ramanauskas
Waste, Pesticides, and Toxics Division
United States Environmental Protection Agency Region 5
77 West Jackson Boulevard
Mail Code: LU-9J
Chicago, IL 60604-3590

Subject: Request for 40 CFR 761.61(c) Approval
Amended Work Plan for Risk-Based Management of PCB-Contaminated Material, Dayton Tech Town/Former General Motors Delphi Harrison Thermal Systems Facility, Area of Interest-36, Building 15 T-Trench Soil,
300 Taylor Street, Dayton, Ohio

Dear Mr. Ramanauskas:

As owner of the subject property, Tech Town Holdings, LLC (Tech Town Holdings) is requesting 40 CFR 761.61(c) approval of the application previously submitted by Weston Solutions, Inc. on behalf of the City of Dayton.

Tech Town Holdings and the City of Dayton seek to fulfill the Toxic Substance Control Act (TSCA) obligations for the Dayton Tech Town Site through risk-based management consistent with 40 CFR 761.61(c) and the Ohio Voluntary Action Program.

Tech Town Holdings appreciates your consideration of this request. If you have any questions or require additional information, please feel free to contact me at (937) 853-2533.

Sincerely,

Tech Town Holdings, LLC
c/o Citywide Development Corporation

Brian Heitkamp
Chief Operating Officer

cc: C. Lipson, City of Dayton
M. Bakkila, Weston Solutions, Inc.

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May 22, 2013

Mr. Peter Ramanauskas
Waste, Pesticides, and Toxics Division
United States Environmental Protection Agency Region 5
77 West Jackson Blvd.
Mail Code: LU-9J
Chicago, IL 60604-3590

Subject: Request for 40 CFR 761.61(c) Approval
Dayton Tech Town (Former GM Delphi Harrison Thermal Systems Facility)
300 Taylor Street, Dayton, Ohio

Mr. Ramanauskas:

The City of Dayton (City) has contracted Weston Solutions, Inc. (WESTON) to provide environmental services to achieve No Further Action under the Ohio Voluntary Action Program (VAP) for the Dayton Tech Town Site. By letter dated 22 February 2010, U.S. EPA delegated RCRA remedial oversight authority for the Site to the State of Ohio indicating the Ohio VAP-RCRA Memorandum of Agreement (MOA) process was a suitable mechanism for Site investigation and cleanup. According to the MOA signed into effect on 8 November 2007, a property or portion thereof that is subject to requirements for site assessment, removal, or remediation pursuant to TSCA or 40 CFR Part 761 regarding PCBs is excluded from the Ohio VAP MOA. Therefore, to proceed with the voluntary action on the Site pursuant to the Ohio VAP MOA, TSCA obligations must be addressed. We appreciate your assistance towards meeting this requirement.

The City seeks to fulfill TSCA obligations through risk-based management consistent with 40 CFR 761.61(c) and the Ohio VAP. On behalf of the City, WESTON submitted an Amended Work Plan for Risk-Based Management of PCB-Contaminated Materials associated with Area of Interest (AOI) 36. U.S. EPA provided questions and comments on the plan with indication of intent for conditional approval. WESTON has prepared a response to EPA's questions and comments, which is attached. The City appreciates your consideration of this information and approval of the Work Plan Amendment.

Please call me at (937) 333-3634 if you have any questions or need additional information.

Respectfully,

Timothy Downs
Deputy Director, Office of Economic Development

Attachment

Weston Solutions, Inc.
711 E. Monument Avenue, Suite 201
Dayton, OH 45402
937-531-4400 • Fax 937-531-4401
www.westonsolutions.com

8 August 2012

Mr. Peter Ramanauskas
U. S. Environmental Protection Agency, Region 5
77 West Jackson Blvd.
Mail Code: LU-9J
Chicago, IL 60604-3507

**Subject: Request for 40 CFR 761.61(c) Approval**
**Amended Work Plan for Risk-Based Management of PCB-Contaminated Material**
**Dayton Tech Town - Area of Interest 36, Building 15 T-Trench Soil**
**Work Order No.: 12473.005.009**

Dear Mr. Ramanauskas:

Weston Solutions, Inc. (WESTON®), on behalf of the City of Dayton (the City), requests the United States Environmental Protection Agency (U.S. EPA) approval of this Amendment to a previously approved Work Plan (WP) for risk-based management of polychlorinated biphenyl (PCB)-contaminated materials. The WP Amendment specifically addresses Area of Interest (AOI) 36 of the former General Motors (GM) Delphi Harrison Radiator Thermal Systems Plant, now known as Tech Town, located at 300 Taylor Street, Dayton, Ohio (the Site).

**Background and Summary**

On 25 August 2010, WESTON submitted a WP **(Attachment A)** and request for approval under Title 40 of the Code of Federal Regulations (CFR), Part 761.61(c) for the risk-based management of PCB-contaminated material from four AOIs located on the Site: AOI 36 (Building 15 T-Trench), AOI 47 (Building 12B T-Trench), AOI 48 (Underground Storage Tank [UST] No. 3), and AOI 44 (Building 12B Lead Contamination) (**Figure 1**). The WP was approved by the U.S. EPA with certain conditions as outlined in the response letter dated 9 September 2010 (**Attachment A**).

From October 2010 through January 2011, remediation activities were conducted in accordance with the approved WP. Verification results demonstrated that AOIs 44, 47, and 48 met cleanup criteria and required no further remediation. PCBs were present in AOI 36 soil above cleanup criteria. On 23 February 2011, WESTON notified U.S. EPA that remediation of AOI 36 was terminated prior to achieving cleanup criteria because contamination in soil was more extensive than could be readily remedied. This notification was consistent with the approved WP, which stated *"If PCB contamination in soil is extensive, the City will contact U.S. EPA to discuss next steps."* WESTON, the City, and U.S. EPA convened on 20 April 2011 by conference call to

discuss PCB-contaminated media at the Site, including discussion of AOI 36. As requested by U.S. EPA, WESTON submitted a Sampling and Analysis Plan (SAP) for delineation of PCBs in soil around AOI 36 (**Attachment B**). On 28 April 2011, U.S. EPA provided concurrence with the sampling approach presented in the SAP (**Attachment B**). Delineation sampling was conducted in AOI 36 in May 2011 and June 2011. The delineation sampling results were provided to U.S. EPA, and several discussions ensued regarding impending infrastructure construction in the AOI 36 area and potential changes to the remedial approach.

On 24 June 2011, U.S. EPA provided guidance on possible interim actions that could be completed prior to approval of a revised WP (**Attachment C**). Consistent with this correspondence, interim remedial measures were completed in July and August 2011. Interim remedial measures included backfilling the excavation, placing a 30 millimeter high density polyethylene (HDPE) geomembrane on the ground surface, backfilling the exposed area to meet final desired grade, and placing impervious covering (i.e., concrete or asphalt). The exposed ground surface of AOI 36 was depressed relative to the elevation of the slabs located to the north and south and relative to finished grade. Pre-backfill elevation was approximately 737 feet (ft) above mean sea level (MSL); final elevation is approximately 741 ft MSL. A Remedial Summary Report, dated October 2011, was submitted to U.S. EPA documenting these activities (**Attachment D**).

The purpose of this submittal is to propose an Amendment to the previously approved WP, specific to risk-based management of PCB-contaminated media associated with AOI 36. This WP Amendment is being submitted in accordance with Title 40 of the CFR, Section 761.61(c), which allows PCBs to remain in place at a Site under the Toxic Substances Control Act (TSCA) based on a site-specific risk assessment of current and anticipated future use scenarios and considering both human health and ecological exposures to residual PCBs. Per Title 40 of the CFR, Part 761.61(c), U.S. EPA will approve of the application for a risk-based cleanup if it finds that the method will not pose an unreasonable risk of injury to health or the environment.

The following sections present background information on AOI 36, the results of several investigation and delineation phases, summaries of corresponding remedial phases, site use plans, final proposed remedial measures, and the formal request for approval.

**Description of AOI 36 - Building 15 T-Trench**

AOI 36 consisted of a steel-lined concrete trench and surrounding soil located in the area of former Building 15 (**Figure 1**). The City identified the trench on 26 April 2006 during Stage 2 demolition activities at the Site, which involved removing the concrete slab overlying the northern portion of the trench in an area that was proposed for use as a utility corridor. The

trench was observed to contain pea gravel and water. Investigation of the northern portion of the trench identified sludge material contained at the bottom of the trench.

Prior to implementation of remedial measures in 2011, the southern portion of the trench was covered with the concrete slab of former Building 15. The northern portion of the trench, which was exposed during demolition was approximately 20 ft long. The southern portion of the trench was 55 ft 5 inches (in.) long. The majority of the trench was 4 ft 9 in. wide and 7 ft 4 in. deep. The trench flared out at the northern and southern ends and contained sumps extending to depths of approximately nine ft. Several trench "fingers" were visually estimated by structural indications in the concrete to extend 55 ft to the east of the main trench.

**Pre-Removal Sampling Results of Trench Contents**

The City collected a gravel sample from the northern portion of the trench on 27 April 2006, and analyzed the sample for PCBs, Toxicity Characteristic Leaching Procedure (TCLP) metals, TCLP volatile organic compounds (VOC), and TCLP semivolatile organic compounds (SVOC). The sample contained PCBs at 15.6 milligrams per kilogram (mg/kg) and TCLP barium at 0.27 milligrams per liter (mg/L). On 27 April 2006, the City also collected four water samples from the trench and analyzed one sample for PCBs, one for total VOCs, one for total SVOCs, and one for Resource Conservation and Recovery Act (RCRA) metals. The samples contained PCBs at 0.808 mg/L, methylene chloride at 0.0221 mg/L, and bis(2-chloroethyl)ether at 0.12 mg/L. The sample contained several metals, the maximum concentration of which was for barium at 0.154 mg/L. On 1 June 2006, the City collected two wipe samples from the metal lining of the trench and analyzed the wipe samples for PCBs, which were reported as not detected at or above the laboratory reporting limit. Also, on 30 August 2006, at the request of U.S. EPA, the City collected two samples of sludge from the bottom of the northern portion of the trench and analyzed the samples for PCBs. The samples contained 1,720 and 717 mg/kg PCBs.

On 12 August 2008, GM collected 10 gravel samples from beneath the concrete slab overlying the southern portion of the trench at six locations using a Geoprobe. The samples were analyzed for PCBs, TCLP VOCs, TCLP SVOCs, and TCLP metals. Only PCBs were detected. PCBs were detected in all samples at concentrations ranging from 0.064 to 27 mg/kg. The results of the Geoprobe sampling are shown on Figure 2 of the WP provided in **Attachment A**. GM's contractor reported that the gravel was wet but not saturated, and no sludge was encountered at any Geoprobe location.

**Removal Activities at AOI 36: Phase I**

On 25 August 2010, WESTON submitted a WP and request for approval under Title 40 of the CFR, Part 761.61(c) for the risk-based management of PCB-contaminated material from four AOIs on the Site: AOI 36 (Building 15 T-Trench), AOI 47 (Building 12B T-Trench), AOI 48 (UST No. 3), and AOI 44 (Building 12B Lead Contamination) **(Attachment A)**. The WP was approved by the U.S. EPA with certain conditions as outlined in the response letter dated 9 September 2010 **(Attachment A)**.

The proposed remediation of AOI 36 included removing water from the trench; removing pea gravel from the northern portion of the trench; removing sludge from the trench with an anticipation that the sludge was present only in the northern portion of the trench; installing a wall to isolate the southern portion of the trench and its contents; removing the metal and concrete forming the northern portion of the trench; and collecting verification samples with a cleanup goal of 25 mg/kg.

On 15 November 2010, WESTON subcontractor Remedial Construction Services, L.P. (RECON) began remediation of AOI 36 by removing pea gravel from the northern exposed portion of the trench. Excavation continued until encountering water-saturated pea gravel. The trench was dewatered using a submersible pump, and the evacuated water was processed onsite through a filtration treatment system and disposed of properly. Sludge with a firm tar-like consistency was encountered at the base of the trench. The dewatered trench contents were loaded directly into trucks and transported offsite to Wayne Disposal, Inc. Site 2 TSCA-permitted landfill in Belleville, Michigan (Wayne Disposal) for disposal.

Upon completing the removal of the contents in the northern exposed portion of the trench, WESTON observed that sludge continued along the bottom into the southern portion of the trench. To confirm concentrations of PCBs in the sludge material, a sample of the sludge was collected on 18 November 2010 and analyzed for PCBs. The sludge contained PCBs at a concentration of 951 milligram per kilogram (mg/kg). This concentration was within the range of PCB concentrations identified for the sludge in the northern portion of the trench.

RECON removed a 10 ft long segment of the Building 15 concrete slab that was overlying the southern portion of the trench. Pea gravel and sludge were removed from the exposed section of trench and loaded directly into trucks for offsite disposal. Observations of sludge continued into the southern reaches of the trench, and RECON repeated the process of removing segments of the overlying concrete slab and the trench contents until the southern end of the trench was reached.

The northern portion of the trench, which was exposed during demolition, was approximately 20 ft long. The southern portion of the trench was 55 ft 5 in. long. The majority of the trench was 4 ft 9 in. wide and 7 ft 4 in. deep. The trench flared out at the northern and southern ends and contained sumps extending to depths of nine ft. Shallow (six in.) half circle-shaped depressions were observed in a few locations immediately below the concrete slab along the eastern edge of the trench. A deeper square-shaped depression (approximately two ft deep) was observed beneath the slab on the western edge of the trench near the slab cut line. No other evidence of possible fingers to the trench was observed. Sludge like material was not observed in or on the exposed face of these depression features.

Following removal of the trench contents, the steel liner was examined and observed to be in good condition with no obvious breaches due to deterioration. The steel in the southern portion of the trench was cleaned of any visible residue by scraping, pressure washing, and wiping. Decontamination water was directed to the sumps of the trench, removed, processed through a filtration system, and disposed of properly. On 3 December 2010, confirmation wipe sampling for PCBs was conducted on the steel liner according to 40 CFR 761 Subpart P, *"Sampling 1 Meter Square Surfaces by Random Selection of Halves."* Samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) for PCB analysis using U.S. EPA SW-846 Method 8082. PCB concentrations up to 70.9 microgram (µg) per 100 square centimeters were reported in the samples.

The steel liner was cut at the slab edge as a precursor step toward separating the north portion of the trench (requiring removal) from the southern portion of the trench. Upon making this cut through the steel, water and sludge residue were identified in the interstitial space between the steel liner and the concrete structure. A sample of this sludge was submitted to TestAmerica on 7 December 2010 for PCB analysis. Analytical results indicated the sludge contained total PCBs at a concentration of 750 mg/kg. To effectuate removing the sludge residue from the interstitial space, the steel liner was removed. The steel liner was observed to consist of two to three layers, averaging a total thickness between 3/8 in and 3/4 in. From 8 December 2010 through 5 January 2011, the steel liner was cut into manageable-sized units and reduced into sections no greater than three cubic ft. Sludge on the surface of the concrete and steel liner was scraped and bagged. The sludge and waste steel were manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal.

Following removal of the steel, WESTON observed the condition of the concrete trenching. Significant deterioration or breaches in the concrete were not observed. On 6 January 2010, RECON pressure washed the concrete walls and floor of the trench with heated water. Decontamination water from this process was directed to the sump in the northern portion of the

concrete trench. Decontamination water from pressure washing and any precipitation which had accumulated in the Building 15 T-Trench were pumped from the trench, processed through the filtration system, and disposed of properly.

On 10 January 2011, WESTON sampled the concrete walls and floor of the southern portion of the Building 15 T-Trench in accordance with the methods identified in the WP and per 40 CFR 761 Subpart O, *"Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance With §761.61(a)(6)."* Samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082. Laboratory analytical results indicated the concrete contained total PCBs at concentrations less than 1 mg/kg (**Table 1**), which is less than the cleanup criteria of 25 mg/kg. The concrete trenching was left in place, and no further action was conducted in the southern portion of the trench.

**Removal Activities at AOI 36: Phase II**

On 10 January 2011, the northern portion of the concrete trench was demolished and removed. A ram attachment on a backhoe was used to separate the northern portion walls and floor from the southern portion walls and floor. The ram was also used to fracture the concrete into manageable pieces. An excavator was used to remove the concrete walls and floor of the northern portion of the Building 15 T-Trench into trucks for disposal. All removed concrete trenching was manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal.

Soil located around the sump of the northern trench was observed to be visibly stained. Two grab samples of the soil were collected on 13 January 2011 and analyzed for PCBs. PCB concentrations in samples collected from the soil were 170 mg/kg and 457 mg/kg. On 13 January 2011 and 14 January 2011 approximately 40 tons of soil were removed from around the sump in the northern portion of the trench and transported to Wayne Disposal. Following this removal action, WESTON collected three composite soil samples per 40 CFR Subpart O, *"Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance With §761.61(a)(6)."* Sample T15N-01 was a composite of three aliquots along the west wall of the excavation. Sample T15N-02 was a composite of nine aliquots at the base of the excavation. Sample T15N-03 was a composite of three aliquots along the east wall of the excavation (**Figure 2**). Samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082. Analytical results indicated the soil in the excavation contained concentrations of total PCBs between 59.7 and 488 mg/kg (**Table 2**). Based upon this finding and continued observation of visibly stained soil, it

was decided that remediation should be terminated pending further characterization of the extent of contamination. The maximum depth of the soil excavation was 11.5 ft below the ground surface (i.e. below the Building 15 slab elevation). The soil excavation was approximately 19 ft at its maximum surface width (east-west) and extended approximately 21 ft to the north of the Building 15 slab edge.

A SAP for delineation of PCB contamination in soil was submitted to U.S. EPA on 27 April 2011, and U.S. EPA accepted the approach (**Attachment B**). Delineation efforts were focused on the exposed ground surface of AOI 36, which was bordered to the north and south by concrete slabs of the former buildings. The slabs were retained and covered over during development. The distance between slabs in a north-south direction was approximately 30 ft. As shown on **Figure 2**, the trench continued to the south beneath the Building 15 slab and the excavation abutted the remediated trench. Therefore, one soil boring was installed to the north of the excavation and the remaining delineation sampling locations extended to the east and west of the excavation. GM previously conducted sampling through the slabs as part of the RCRA Facility Investigation conducted from 2001 through 2009, and the GM data is presented on **Figure 2**.

WESTON mobilized a Geoprobe® and conducted soil sampling in AOI 36 per the SAP. The sampling locations and PCB results are included on **Figure 2** and in **Table 3**. The maximum PCB concentration identified in the May 2011 soil sampling was 474 mg/kg (SB-217, 10 to 12 ft depth). The results of this delineation effort were provided to U.S. EPA on 25 May 2011.

Because the initial delineation sampling event did not fully define the extent of PCB contamination in soil, additional sampling was conducted. On 9 June 2011, soil samples were collected from borings located 30 ft and 45 ft to the east and west of the excavation edges. Two of the borings, SB232 and SB233, were located on an elevated temporary construction road composed of imported material, and thus sampling depth intervals were adjusted for consistency (i.e. top four ft and two ft, respectively were excluded from the sampling intervals and ground surface was considered to begin at beneath the import material). The maximum PCB concentration identified in the June 2011 borings was 562 mg/kg (SB-234, 8 to 10 ft depth). The sampling locations and PCB results are summarized on **Figure 2** and in **Table 3**. The results of this delineation effort were provided to U.S. EPA on 15 June 2011.

A monitoring well (MW-67) was installed in AOI 36 on 8 November 2011 to assess potential impact of the PCB-contamination on the upper groundwater zone (**Figure 3**). The boring log and well log are presented in **Attachment E**. The well was developed on 15 November 2011. The well was low-flow purged and sampled on 16 November 2011. The purging log is provided in **Attachment E**. The groundwater sample was analyzed for target analyte list (TAL) metals,

VOCs, PAHs, and PCBs. A sheen was observed on water purged from the well, but no LNAPL was identified in the well with the oil-water interface probe. PCBs were detected in the groundwater sample at 13.1 µg/l (Aroclor 1254). The groundwater PCB results are provided in **Table 4**.The data package is presented in **Attachment F**.

To assess whether PCBs could be migrating in groundwater, downgradient wells, specifically MW5, MW65, MW68, and MW70 (**Figure 3**) were sampled in February 2012. No PCBs were detected in the samples. The data package is presented in **Attachment F**. The well logs for these wells are provided in **Attachment E**. All the referenced monitoring wells and MW-67 were gauged with an oil-water interface probe prior to sampling to evaluate whether LNAPL was present. No LNAPL was detected.

**Interim Remedial Measures (2011)**

In an email dated 24 June 2011, U.S. EPA identified a variety of potential interim measures that could be implemented pending formal amendment and approval of the AOI 36 remediation work plan (**Attachment C**). Consistent with this correspondence, interim remedial measures were completed in July and August 2011. Interim remedial measures included backfilling the excavation with imported #2 stone, placing a 30 millimeter HDPE geomembrane on the ground surface, backfilling the exposed area with imported #304 stone to meet final desired grade, and placing impervious surfacing. Pre-backfill elevation of the exposed ground surface in AOI 36 was approximately 737 ft above MSL; final elevation is 740.7 to 741 ft MSL. Impervious surfacing includes the asphalt driveway, concrete island, and paved parking spaces, which are integral to the developed Site. Photographs are provided in **Attachment G**.

The proposed use of the former northern Building 15 trench area as a utility corridor was abandoned. The sewer line that was planned for installation in this area was rerouted elsewhere. The closest utility to AOI 36 is an electric feed to a parking lot light. This line was installed in a lighting conduit secured to the exposed face of Building 24 slab at an elevation above the soil. The conduit was embedded in the aggregate cover and paved over.

**Proposed Remedial Measures**

The proposed final remedial measures are described below and summarized as follows:

- Maintain the existing engineered barrier (i.e., aggregate and impervious cover) overlying the AOI 36 area.
- Include a notation within the Environmental Covenant and associated support documentation that is filed with the deed at the completion of the voluntary action that

identifies PCBs remaining in soil in AOI 36 at concentrations exceeding risk-derived standards for protection of construction/excavation workers.

- Monitor groundwater on a bi-annual basis to assess for potential migration. Monitoring shall include low-flow sampling of MW67 and sentry wells: MW5, MW65, MW68, and MW70. If PCBs are detected in any of the sentry wells at concentrations exceeding 3 µg/L, U.S. EPA shall be notified to determine the appropriate response action.
- In the unlikely chance that a full breach of the engineered barrier is required in the future, this shall be done through a coordinated approval with U.S. EPA in accordance with 40 CFR 761.
- Apply and implement land and groundwater use restrictions.

In 2001 U.S. EPA entered into a Memorandum of Agreement (MOA) with Ohio EPA, whereby U.S. EPA formally agreed that, with public participation and Ohio EPA involvement, the Ohio Voluntary Action Program (VAP) was protective of human health and the environment. This MOA was updated in 2007 to be inclusive of both the Resource Conservation and Recovery Act (RCRA) and Superfund, thus conforming to the U.S. EPA's One Cleanup Program initiative. In a letter dated 22 February 2010, the U.S. EPA agreed to delegate RCRA remedial oversight authority for the Site to the State of Ohio, with the stipulation that the Ohio VAP-MOA process is followed. The U.S. EPA retained primacy for regulation of obligations under TSCA.

The City of Dayton seeks to fulfill the TSCA obligations through a risk-based approach that meets the requirement of 40 CFR 761.61(c) and conforms to the requirements of the Ohio VAP. At the conclusion of the voluntary action, the Site will be restricted to commercial/industrial land use through an institutional control legally documented in an Environmental Covenant. Likewise, use of groundwater on the Site will be restricted per the findings of the Risk Assessment with potable use prohibited.

Protection of Commercial/Industrial Workers

Per the VAP rules, the point of compliance for direct contact for commercial/industrial receptors is zero to two feet below ground surface (bgs). Thus, if contamination is present at concentrations exceeding the default or risk-derived standards in zero to two feet bgs, remedial measures must address the potential exposure hazard. In the approved WP, U.S. EPA concurred with a cleanup level of 25 mg/kg as being protective for future commercial/ industrial land use of the Site. PCBs were detected in soil samples collected from zero to two ft bgs of SB-234 and SS-219 at concentrations exceeding 25 mg/kg. Development activities necessitated backfill of the area represented by these two borings. This was completed as part of the interim remedial measures, and thus soil represented by the 0 to 2 ft bgs samples of SB-234 and SS-219 is now

located more than three to five ft bgs. The aggregate forming the upper three feet of material beneath the impervious surfacing provides a separation buffer and together with the pavement forms a permanent engineered barrier that prevents direct contact with the AOI 36 soils. As a result of the backfill (aggregate) placement, PCBs are not present in surface soil immediately beneath the impervious covering.

Protection of Construction/Excavation Workers

**Attachment H** documents derivation of a Site-specific single chemical PCB soil standard for construction/excavation worker activities. The derivation results in a Site-specific risk-derived PCB standard for protection of construction/excavation workers of 226 mg/kg. The derivation was based upon use of Ohio EPA VAP default exposure parameters except for use of an Exposure Frequency of 20 days/year. Since redevelopment in the AOI 36 area is complete, reasonably anticipated construction/excavation exposure is limited to scenarios like repair or maintenance of a utility line. Therefore, an Exposure Frequency of 20 days/year is considered to be a conservative representation of potential future excavation activities on the developed Site.

WESTON requested that the derivation be reviewed by Ohio EPA under technical assistance for consistency with the VAP requirements. Ohio EPA concurred that: (1) the derivation was consistent with the Ohio VAP rules, and (2) application of the Site-specific risk-derived PCB standard of 226 mg/kg along with implementing a Risk Mitigation Plan is an acceptable demonstration of compliance with applicable standards for the construction/excavation worker direct contact exposure pathway under the VAP.

PCBs are present in deep subsurface soil in the AOI 36 area at concentrations exceeding 226 mg/kg. The extent of contamination exceeding the risk-derived construction/excavation worker standard (226 mg/kg) is over 90 ft wide, with the eastern limit between SB234 and SB235 and the western limit between SB232 and S-019. All exceedences to the risk-derived construction/excavation worker standard were in soil samples collected at eight ft below ground surface or deeper (now 11 or more ft below the surface of the impervious pavement). Utility lines are typically installed at depths shallower than 10 ft bgs. Therefore, even under a utility maintenance or repair scenario, it is unlikely that direct contact with deep (>11 ft bgs) subsurface soil contaminated with PCBs at concentrations greater than 226 mg/kg would occur. Furthermore, no underground utilities were installed within the AOI 36 soil and the overlying pavement is an integral component of the developed Site, therefore, future excavation activities in this paved area are highly unlikely.

located more than three to five ft bgs. The aggregate forming the upper three feet of material beneath the impervious surfacing provides a separation buffer and together with the pavement forms a permanent engineered barrier that prevents direct contact with the AOI 36 soils. As a result of the backfill (aggregate) placement, PCBs are not present in surface soil immediately beneath the impervious covering.

Protection of Construction/Excavation Workers

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WESTON requested that the derivation be reviewed by Ohio EPA under technical assistance for consistency with the VAP requirements. Ohio EPA concurred that: (1) the derivation was consistent with the Ohio VAP rules, and (2) application of the Site-specific risk-derived PCB standard of 226 mg/kg along with implementing a Risk Mitigation Plan is an acceptable demonstration of compliance with applicable standards for the construction/excavation worker direct contact exposure pathway under the VAP.

PCBs are present in deep subsurface soil in the AOI 36 area at concentrations exceeding 226 mg/kg. The extent of contamination exceeding the risk-derived construction/excavation worker standard (226 mg/kg) is over 90 ft wide, with the eastern limit between SB234 and SB235 and the western limit between SB232 and S-019. All exceedences to the risk-derived construction/excavation worker standard were in soil samples collected at eight ft below ground surface or deeper (now 11 or more ft below the surface of the impervious pavement) with the exception of SB218 from which the four to six ft bgs interval (now over seven ft below the surface of the impervious pavement) also exceeded the risk-derived construction/excavation worker standard. Utility lines are typically installed at depths shallower than 10 ft bgs. Therefore, even under a utility maintenance or repair scenario, it is unlikely that direct contact with deep (>11 ft bgs) subsurface soil contaminated with PCBs at concentrations greater than 226 mg/kg would occur with the possible exception of the SB218 area. Furthermore, no underground utilities were installed within the AOI 36 soil and the overlying pavement is an integral component of the developed Site, therefore, future excavation activities in this paved area are highly unlikely.

A notation will be placed on the deed as part of the Environmental Covenant at the completion of the voluntary action, identifying the presence of PCBs in this area and the requirement to preserve the engineered barrier. In the unlikely event that the engineered barrier must be fully breached in the future, appropriate measures to protect human health and the environment must be coordinated with U.S. EPA under 40 CFR 761.61. This coordination will ensure appropriate mitigation of risk to construction/excavation workers. Since the engineered barrier includes three feet of imported aggregate, minor disturbance to the impervious surfacing (e.g., asphalt grinding and resealing) will not necessitate coordination with U.S. EPA provided the impervious surfacing is promptly repaired. Although this proposed remedy leaves PCB contamination on the Site, the human health risk associated with reliance on the engineered barrier is deemed lower than potential exposure risk associated with excavation and transport of the PCB contaminated material given that the excavation would be over 90 ft wide and 15 ft deep.

Protection of Groundwater Receptors

In previous communications, U.S. EPA cited concerns regarding potential leaching of PCBs to groundwater. The impervious surfacing of the existing engineered barrier will prevent infiltration of rain water and runoff in the AOI 36 area. The water table beneath the Site fluctuates, and soil samples collected during the May 2011 delineation sampling event from 10 to 12 ft bgs (now 13 or more feet bgs) were water saturated. To assess potential leaching associated with groundwater movement, monitoring well MW67 was installed in the AOI 36 source area. The static water level in MW-67 was 13.36 ft below top of casing (as measured on 16 November 2011) and 12.98 ft below top of casing (as measured on 8 February 2012). Top of casing is near flush with the paved ground surface.

The MW-67 groundwater sample contained 13.1 µg/L of Aroclor 1254. No PCBs were detected in groundwater samples collected from downgradient on-Site wells, specifically MW5, MW65, MW68, and MW70 (**Figure 3**). Given PCB's limited mobility in water, migration monitoring and groundwater use restrictions are the proposed remedial measures. Bi-annual groundwater monitoring will be conducted for a period of 3 years (**Appendix I**). Monitoring shall include sampling of MW67, and the following sentry wells: MW5, MW65, MW68, and MW70. If PCBs are detected in any of the sentry wells at concentrations exceeding 3 µg/L, U.S. EPA shall be notified to determine the appropriate response action. In addition, use of groundwater on the Site will be restricted per the findings of the Risk Assessment with potable use prohibited.

**REQUEST FOR APPROVAL**

WESTON respectfully requests your approval of this WP Amendment. Please call me at (937) 531-4402 if you have any questions or need additional information.

Very truly yours,
WESTON SOLUTIONS, INC.

Laura Funk
Project Manager

Tables
Figures
Attachments

# TABLES

e 1

## AOI 36 - Bu...ng 15 T-Trench
## Confirmation Concrete Sampling Results

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | TT-CC-011011-001 | TT-CC-011011-002 | TT-CC-011011-003 | TT-CC-011011-004 | TT-CC-011011-005 | TT-CC-011011-006 |
| | | | Date Collected: | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 |
| | | | Date Analyzed: | 1/12/2011 | 1/12/2011 | 1/12/2011 | 1/12/2011 | 1/12/2011 | 1/12/2011 |
| **PCBs (mg/kg)[1]** | | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 0.514 U | 0.509 U | 0.488 U | 0.525 U | 0.526 U | 0.522 U |

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | TT-CC-011011-007 | TT-CC-011011-008 | TT-CC-011011-009 | TT-CC-011011-010 | TT-CC-011011-011 |
| | | | Date Collected: | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 |
| | | | Date Analyzed: | 1/12/2011 | 1/12/2011 | 1/12/2011 | 1/12/2011 | 1/12/2011 |
| **PCBs (mg/kg)[1]** | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 0.503 U | 0.548 | 0.523 U | 0.52 | 0.507 U |

Notes:

**Bold results exceed Commercial/Industrial Direct Contact Criteria (25 mg/kg) established in U.S. EPA approved Work Plan**

**Bold shaded results exceed Risk-Derived Construction/Excavation Worker Criteria (226 mg/kg)**

[1] Aroclor-1254 was the only positively detected PCB aroclor

C/E - Construction/Excavation

C/I - Commercial/Industrial

mg/kg = Milligram per kilogram

PCB = Polychlorinated biphenyl

U = Analyte not detected

**Table 2**
**AOI 36 - Building 15 T-Trench**
**Excavation Soil Sampling Results**

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | |
|---|---|---|---|---|---|---|
| | | | | TT-SO-011411-T15N-01 | TT-SO-011411-T15N-02 | TT-SO-011411-T15N-03 |
| | | | **Date Collected:** | 1/14/2011 | 1/14/2011 | 1/14/2011 |
| | | | **Date Analyzed:** | 1/17/2011 | 1/17/2011 | 1/17/2011 |
| | | | **Sampling Depth:** | 9 ft bgs | 11.5 ft bgs | 9 ft bgs |
| **PCBs (mg/kg)**[1] | | | | | | |
| Aroclor-1254 | 25 | 226 | | **59.7** | **207** | **488** |

Notes:

**Bold results exceed Commercial/Industrial Direct Contact Criteria (25 mg/kg) established in U.S. EPA approved Work Plan**

**Bold shaded results exceed Risk-Derived Construction/Excavation Worker Criteria (226 mg/kg)**

[1]Aroclor-1254 was the only positively detected PCB aroclor

bgs = Below ground surface (i.e. below Building 15 slab elevation)

ft = Feet

mg/kg = Milligram per kilogram

NA = Not available

PCB = Polychlorinated biphenyl

U = Analyte not detected

**ble 3**
**AOI 36 - Building 15 T-Trench**
**Delineation Soil Sampling Results**

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB216-02-051111 | SB216-02-051111DP | SB216-04-051111 | SB216-06-051111 | SB216-08-051111 | SB216-10-051111 | SB216-12-051111 |
| | | | Date Collected: | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 |
| | | | Date Analyzed: | 05/13/2011 | 05/13/2011 | 05/13/2011 | 05/13/2011 | 05/13/2011 | 05/13/2011 | 05/13/2011 |
| | | | Sampling Interval: | 0-2 ft bgs | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| PCBs (mg/kg)[1] | | | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 0.456 | 1.80 | 0.121 U | 1.07 | **25.4** | **32.2** | **168** |

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB217-02-051111 | SB217-04-051111 | SB217-06-051111 | SB217-08-051111 | SB217-10-051111 | SB217-12-051111 | SS219-02-051111 |
| | | | Date Collected: | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 |
| | | | Date Analyzed: | 05/14/2011 | 05/13/2011 | 05/14/2011 | 05/14/2011 | 05/14/2011 | 05/14/2011 | 05/13/2011 |
| | | | Sampling Interval: | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs | 0-2 ft bgs |
| PCBs (mg/kg)[1] | | | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 0.208 | 0.129 U | 0.479 | 0.740 | **399** | **474** | **118** |

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB218-02-051111 | SB218-04-051111 | SB218-06-051111 | SB218-08-051111 | SB218-10-051111 | SB218-12-051111 | SS220-02-051111 |
| | | | Date Collected: | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 |
| | | | Date Analyzed: | 05/14/2011 | 05/14/2011 | 05/14/2011 | 05/14/2011 | 05/14/2011 | 05/14/2011 | 05/13/2011 |
| | | | Sampling Interval: | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs | 0-2 ft bgs |
| PCBs (mg/kg)[1] | | | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 6.31 | 0.924 | **378** | **30.6** | **320** | **79.7** | 1.67 |

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB232-02-060911 | SB232-02-060911DP | SB232-04-060911 | SB232-06-060911 | SB232-08-060911 | SB232-10-060911 | SB232-12-060911 |
| | | | Date Collected: | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| | | | Date Analyzed: | 6/13/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 |
| | | | Sampling Interval: | 0-2 ft bgs | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| PCBs (mg/kg)[1] | | | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 0.516 U | 0.116 | 0.117 U | 0.267 | 0.484 | **31.3** | **240** |

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB233-02-060911 | SB233-04-060911 | SB233-04-060911DP | SB233-06-060911 | SB233-08-060911 | SB233-10-060911 | SB233-12-060911 |
| | | | Date Collected: | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| | | | Date Analyzed: | 6/13/2011 | 6/12/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 |
| | | | Sampling Interval: | 0-2 ft bgs | 2-4 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| PCBs (mg/kg)[1] | | | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 4.55 | 1.48 | 0.62 | 10.9 | 0.304 | 0.243 | **148** |

**Table 3**
**AOI 36 - Building 15 T-Trench**
**Delineation Soil Sampling Results**

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SB234-02-060911 | SB234-04-060911 | SB234-06-060911 | SB234-08-060911 | SB234-10-060911 | SB235-02-060911 | SB235-04-060911 |
| | | | Date Collected: | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| | | | Date Analyzed: | 6/13/2011 | 6/13/2011 | 6/12/2011 | 6/13/2011 | 6/13/2011 | 6/13/2011 | 6/12/2011 |
| | | | Sampling Interval: | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 0-2 ft bgs | 2-4 ft bgs |
| **PCBs (mg/kg)[1]** | | | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | **41.1** | 4.68 | 1.37 | 0.539 U | **562** | 9.42 | 0.119 U |

| Parameter | C/I Worker Direct Contact Criteria Level | C/E Worker Direct Contact Criteria Level | | Sample Designation | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | SB235-04-060911DP | SB235-06-060911 | SB235-08-060911 | SB235-10-060911 | SB235-12-060911 |
| | | | Date Collected: | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| | | | Date Analyzed: | 6/12/2011 | 6/12/2011 | 6/12/2011 | 6/12/2011 | 6/12/2011 |
| | | | Sampling Interval: | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| **PCBs (mg/kg)[1]** | | | | | | | | |
| Aroclor-1254 | 25 | 226 | | 0.129 U | 0.114 U | 0.126 | 0.108 | 0.248 |

Notes:

**Bold results exceed Commercial/Industrial Direct Contact Criteria (25 mg/kg) established in U.S. EPA approved Work Plan**

**Bold shaded results exceed Risk-Derived Construction/Excavation Worker Criteria (226 mg/kg)**

[1]Aroclor-1254 was the only positively detected PCB aroclo

bgs = Below ground surface

ft = Feet

mg/kg = Milligram per kilogram

NA = Not available

PCB = Polychlorinated biphenyl

U = Analyte not detected

T 4

# AOI 36 - Building 15 T-Trench Investigation
## Groundwater Sampling Results

| Parameter | | Sample Designation | | | | |
|---|---|---|---|---|---|---|
| | | TT-MW68-020712 | TT-MW70-020712 | TT-MW65-020712 | TT-MW5-020712 | TT-MW67-111611 |
| | **Date Collected:** | 2/7/2012 | 2/7/2012 | 2/7/2012 | 2/7/2012 | 11/16/2011 |
| | **Date Analyzed:** | 2/15/2012 | 2/15/2012 | 2/15/2012 | 2/15/2012 | 11/23/2011 |
| **PCBs (mg/L)**[1] | | | | | | |
| Aroclor-1254 | | 0.0005 U | 0.0005 U | 0.0005 U | 0.0005 U | **0.0131** |

Notes:

**Bold indicates analyte was detected**

[1]Aroclor-1254 was the only positively detected PCB aroclor

mg/L = microgram per liter

PCB = Polychlorinated biphenyl

U = Analyte not detected

# FIGURES

FOUNDRY STREET

WEBSTER STREET

BLDG. 24

BLDG. 8

BLDG. 20

BLDG. 22

BLDG. 16

AOI 44

AOI 47

AOI 48

BLDG. 15

AOI 36

BLDG. 12

BLDG. 1

BUILDING G

TAYLOR STREET

BLDG. 1A

BLDG. 27

PITTS STREET

**LEGEND**

- SITE INFRASTRUCTURE
- FORMER BUILDING WALL
- MAD RIVER
- BUILDING SLAB

AOI 36 - BUILDING 15 T-TRENCH
AOI 44 - BUILDING 12B FREE PRODUCT
AOI 47 - BUILDING 12B T-TRENCH
AOI 48 - BUILDING 12B UST 3

NOTES:
1. AOI = AREA OF INTEREST.

KEY PLAN

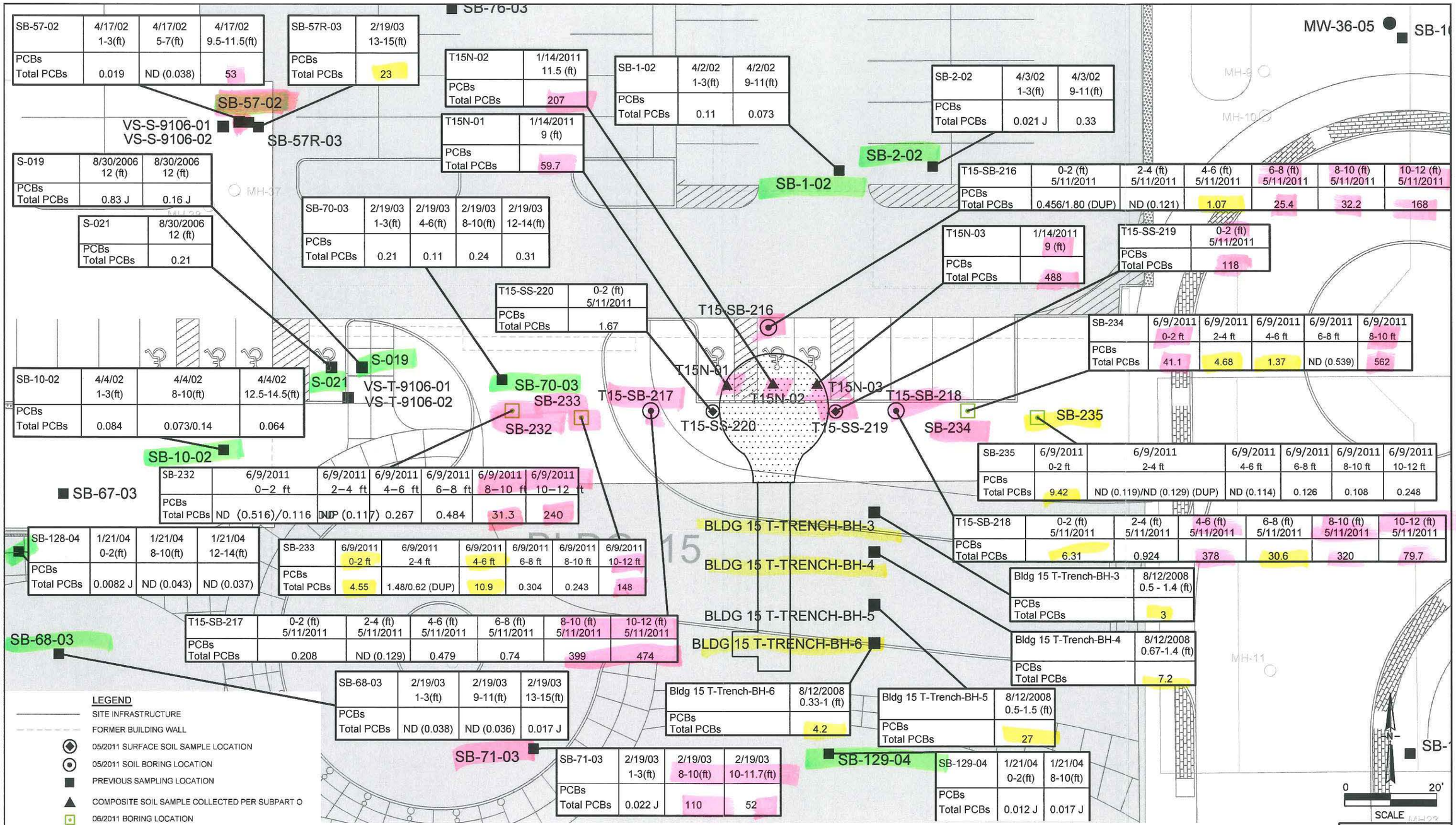
0 15 30ft

Figure 1

WESTON SOLUTIONS

711 E. Monument Ave.
Suite 201
Dayton, Ohio
45402

**Site Map**
Former GM/Delphi Harrison Thermal Systems Facility
Dayton Tech Town
Dayton, Ohio




| SB-57-02 | 4/17/02 1-3(ft) | 4/17/02 5-7(ft) | 4/17/02 9.5-11.5(ft) |
|---|---|---|---|
| PCBs Total PCBs | 0.019 | ND (0.038) | 53 |

| SB-57R-03 | 2/19/03 13-15(ft) |
|---|---|
| PCBs Total PCBs | 23 |

| T15N-02 | 1/14/2011 11.5 (ft) |
|---|---|
| PCBs Total PCBs | 207 |

| T15N-01 | 1/14/2011 9 (ft) |
|---|---|
| PCBs Total PCBs | 59.7 |

| SB-1-02 | 4/2/02 1-3(ft) | 4/2/02 9-11(ft) |
|---|---|---|
| PCBs Total PCBs | 0.11 | 0.073 |

| SB-2-02 | 4/3/02 1-3(ft) | 4/3/02 9-11(ft) |
|---|---|---|
| PCBs Total PCBs | 0.021 J | 0.33 |

| S-019 | 8/30/2006 12 (ft) | 8/30/2006 12 (ft) |
|---|---|---|
| PCBs Total PCBs | 0.83 J | 0.16 J |

| S-021 | 8/30/2006 12 (ft) |
|---|---|
| PCBs Total PCBs | 0.21 |

| SB-70-03 | 2/19/03 1-3(ft) | 2/19/03 4-6(ft) | 2/19/03 8-10(ft) | 2/19/03 12-14(ft) |
|---|---|---|---|---|
| PCBs Total PCBs | 0.21 | 0.11 | 0.24 | 0.31 |

| T15-SS-220 | 0-2 (ft) 5/11/2011 |
|---|---|
| PCBs Total PCBs | 1.67 |

| T15-SB-216 | 0-2 (ft) 5/11/2011 | 2-4 (ft) 5/11/2011 | 4-6 (ft) 5/11/2011 | 6-8 (ft) 5/11/2011 | 8-10 (ft) 5/11/2011 | 10-12 (ft) 5/11/2011 |
|---|---|---|---|---|---|---|
| PCBs Total PCBs | 0.456/1.80 (DUP) | ND (0.121) | 1.07 | 25.4 | 32.2 | 168 |

| T15N-03 | 1/14/2011 9 (ft) |
|---|---|
| PCBs Total PCBs | 488 |

| T15-SS-219 | 0-2 (ft) 5/11/2011 |
|---|---|
| PCBs Total PCBs | 118 |

| SB-234 | 6/9/2011 0-2 ft | 6/9/2011 2-4 ft | 6/9/2011 4-6 ft | 6/9/2011 6-8 ft | 6/9/2011 8-10 ft |
|---|---|---|---|---|---|
| PCBs Total PCBs | 41.1 | 4.68 | 1.37 | ND (0.539) | 562 |

| SB-10-02 | 4/4/02 1-3(ft) | 4/4/02 8-10(ft) | 4/4/02 12.5-14.5(ft) |
|---|---|---|---|
| PCBs Total PCBs | 0.084 | 0.073/0.14 | 0.064 |

| SB-235 | 6/9/2011 0-2 ft | 6/9/2011 2-4 ft | 6/9/2011 4-6 ft | 6/9/2011 6-8 ft | 6/9/2011 8-10 ft | 6/9/2011 10-12 ft |
|---|---|---|---|---|---|---|
| PCBs Total PCBs | 9.42 | ND (0.119)/ND (0.129) (DUP) | ND (0.114) | 0.126 | 0.108 | 0.248 |

| SB-232 | 6/9/2011 0–2 ft | 6/9/2011 2–4 ft | 6/9/2011 4–6 ft | 6/9/2011 6–8 ft | 6/9/2011 8–10 ft | 6/9/2011 10–12 ft |
|---|---|---|---|---|---|---|
| PCBs Total PCBs | ND (0.516)/0.116 | DUP (0.117) 0.267 | 0.484 | | 31.3 | 240 |

| T15-SB-218 | 0-2 (ft) 5/11/2011 | 2-4 (ft) 5/11/2011 | 4-6 (ft) 5/11/2011 | 6-8 (ft) 5/11/2011 | 8-10 (ft) 5/11/2011 | 10-12 (ft) 5/11/2011 |
|---|---|---|---|---|---|---|
| PCBs Total PCBs | 6.31 | 0.924 | 378 | 30.6 | 320 | 79.7 |

| SB-128-04 | 1/21/04 0-2(ft) | 1/21/04 8-10(ft) | 1/21/04 12-14(ft) |
|---|---|---|---|
| PCBs Total PCBs | 0.0082 J | ND (0.043) | ND (0.037) |

| SB-233 | 6/9/2011 0-2 ft | 6/9/2011 2-4 ft | 6/9/2011 4-6 ft | 6/9/2011 6-8 ft | 6/9/2011 8-10 ft | 6/9/2011 10-12 ft |
|---|---|---|---|---|---|---|
| PCBs Total PCBs | 4.55 | 1.48/0.62 (DUP) | 10.9 | 0.304 | 0.243 | 148 |

| Bldg 15 T-Trench-BH-3 | 8/12/2008 0.5 - 1.4 (ft) |
|---|---|
| PCBs Total PCBs | 3 |

| Bldg 15 T-Trench-BH-4 | 8/12/2008 0.67-1.4 (ft) |
|---|---|
| PCBs Total PCBs | 7.2 |

| T15-SB-217 | 0-2 (ft) 5/11/2011 | 2-4 (ft) 5/11/2011 | 4-6 (ft) 5/11/2011 | 6-8 (ft) 5/11/2011 | 8-10 (ft) 5/11/2011 | 10-12 (ft) 5/11/2011 |
|---|---|---|---|---|---|---|
| PCBs Total PCBs | 0.208 | ND (0.129) | 0.479 | 0.74 | 399 | 474 |

| SB-68-03 | 2/19/03 1-3(ft) | 2/19/03 9-11(ft) | 2/19/03 13-15(ft) |
|---|---|---|---|
| PCBs Total PCBs | ND (0.038) | ND (0.036) | 0.017 J |

| Bldg 15 T-Trench-BH-6 | 8/12/2008 0.33-1 (ft) |
|---|---|
| PCBs Total PCBs | 4.2 |

| Bldg 15 T-Trench-BH-5 | 8/12/2008 0.5-1.5 (ft) |
|---|---|
| PCBs Total PCBs | 27 |

| SB-71-03 | 2/19/03 1-3(ft) | 2/19/03 8-10(ft) | 2/19/03 10-11.7(ft) |
|---|---|---|---|
| PCBs Total PCBs | 0.022 J | 110 | 52 |

| SB-129-04 | 1/21/04 0-2(ft) | 1/21/04 8-10(ft) |
|---|---|---|
| PCBs Total PCBs | 0.012 J | 0.017 J |

LEGEND

- SITE INFRASTRUCTURE
- FORMER BUILDING WALL
- 05/2011 SURFACE SOIL SAMPLE LOCATION
- 05/2011 SOIL BORING LOCATION
- PREVIOUS SAMPLING LOCATION
- COMPOSITE SOIL SAMPLE COLLECTED PER SUBPART O
- 06/2011 BORING LOCATION
- PROCESS SEWER MANHOLE LOCATION
- STORM SEWER MANHOLE LOCATION
- BUILDING SLAB
- 15-TRENCH SOIL EXCAVATION

NOTES:
1. TOTAL PCBs ARE THE SUM OF ALL POSITIVELY DETECTED AROLCORS.
2. ND () = NOT DETECTED (LABORATORY DETECTION LIMIT FOR AROCLOR-1254)
3. ALL UNITS ARE IN mg/kg
4. SB-232 AND SB-233 DEPTHS ARE ADJUSTED FOR CONSISTENCY (I.E. 0 FT IS AT THE BASE OF RECENT BACKFILL)
5. DEPTHS OF SB-232 AND SB-233 ARE ADJUSTED FOR CONSISTENCY (I.E. 0 FT AT BASE OF TEMPORARY CONSTRUCTION ROAD)

275 ppm
>1 ppm
<1 ppm

WESTON SOLUTIONS

711 E. Monument Ave.
Suite 201
Dayton, Ohio
45402

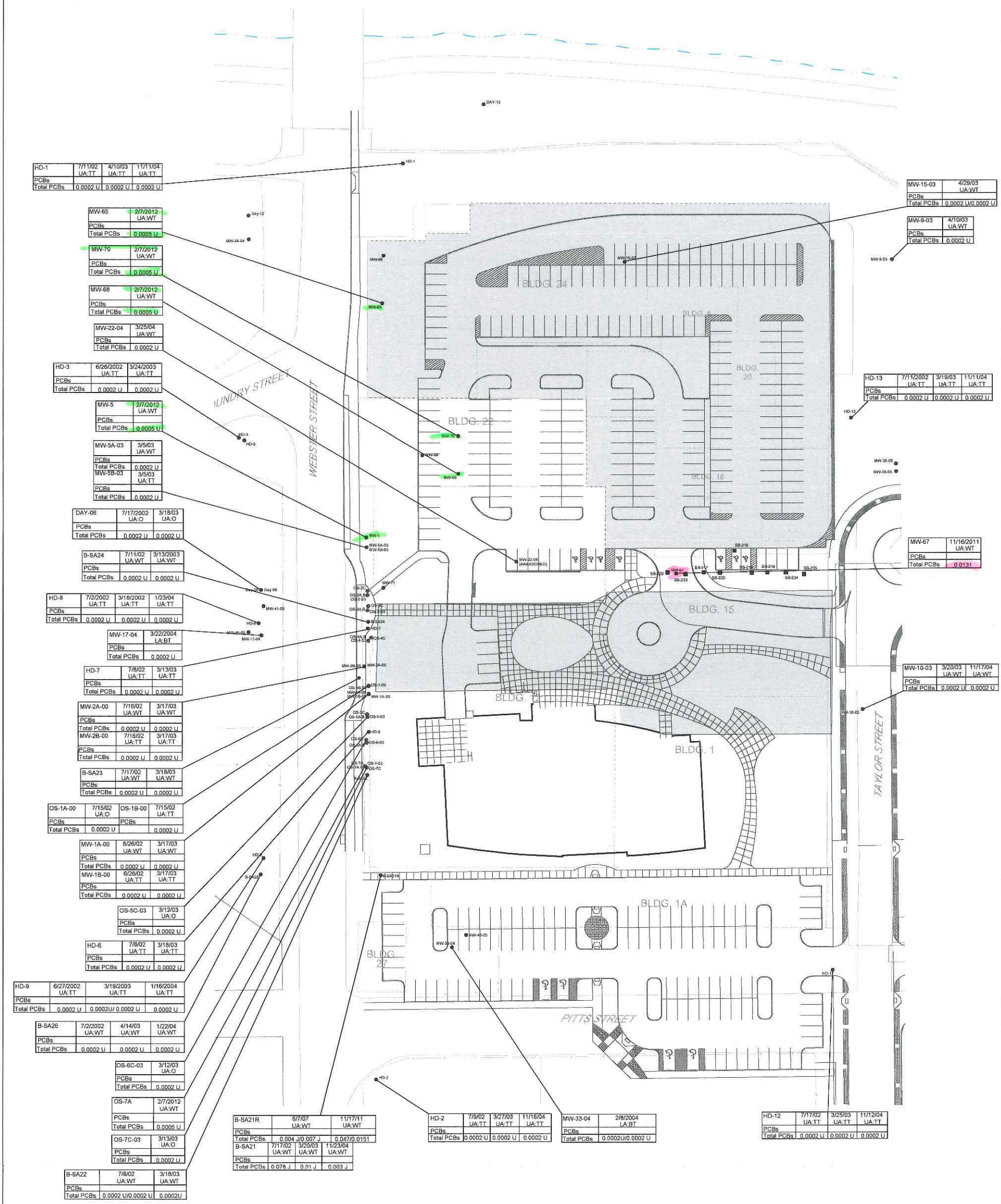
AOI 36 Excavation and Delineation Soil Sample Results

Dayton Tech Town

Dayton, Ohio

FIGURE 2

J:\12638-04 SB-WorkDwg, 8, 12/2012 11:54:39 -M




| HD-1 | 7/11/02 UA:TT | 4/10/03 UA:TT | 11/11/04 UA:TT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.0002 U | 0.0002 U | 0.0002 U |

| MW-65 | 2/7/2012 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0005 U |

| MW-70 | 2/7/2012 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0005 U |

| MW-68 | 2/7/2012 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0005 U |

| MW-22-04 | 3/25/04 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| HD-3 | 6/26/2002 UA:TT | 3/24/2003 UA:TT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| MW-5 | 2/7/2012 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0005 U |

| MW-5A-03 | 3/5/03 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| MW-5B-03 | 3/5/03 UA:TT |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| DAY-06 | 7/17/2002 UA:O | 3/18/03 UA:O |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| B-SA24 | 7/11/02 UA:WT | 3/13/2003 UA:WT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| HD-8 | 7/2/2002 UA:TT | 3/18/2002 UA:TT | 1/23/04 UA:TT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.0002 U | 0.0002 U | 0.0002 U |

| MW-17-04 | 3/22/2004 LA:BT |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| HD-7 | 7/8/02 UA:TT | 3/13/03 UA:TT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| MW-2A-00 | 7/16/02 UA:WT | 3/17/03 UA:WT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |
| MW-2B-00 | 7/16/02 UA:TT | 3/17/03 UA:TT |
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| B-SA23 | 7/17/02 UA:WT | 3/18/03 UA:WT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| OS-1A-00 | 7/15/02 UA:O | OS-1B-00 | 7/15/02 UA:TT |
|---|---|---|---|
| PCBs | | PCBs | |
| Total PCBs | 0.0002 U | | 0.0002 U |

| MW-1A-00 | 6/26/02 UA:WT | 3/17/03 UA:WT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |
| MW-1B-00 | 6/26/02 UA:TT | 3/17/03 UA:TT |
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| OS-5C-03 | 3/12/03 UA:O |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| HD-6 | 7/8/02 UA:TT | 3/18/03 UA:TT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| HD-9 | 6/27/2002 UA:TT | 3/19/2003 UA:TT | 1/16/2004 UA:TT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.0002 U | 0.0002U/ 0.0002 U | 0.0002 U |

| B-SA26 | 7/2/2002 UA:WT | 4/14/03 UA:WT | 1/22/04 UA:WT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.0002 U | 0.0002 U | 0.0002 U |

| OS-6C-03 | 3/12/03 UA:O |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| OS-7A | 2/7/2012 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0005 U |

| OS-7C-03 | 3/13/03 UA:O |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| B-SA22 | 7/8/02 UA:WT | 3/18/03 UA:WT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U/0.0002 U | 0.0002U |

| B-SA21R | 6/7/07 UA:WT | 11/17/11 UA:WT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.004 J/0.007 J | 0.047/0.0151 |

| B-SA21 | 7/17/02 UA:WT | 3/20/03 UA:WT | 11/23/04 UA:WT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.078 J | 0.01 J | 0.003 J |

| HD-2 | 7/9/02 UA:TT | 3/27/03 UA:TT | 11/16/04 UA:TT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.0002 U | 0.0002 U | 0.0002 U |

| MW-33-04 | 2/8/2004 LA:BT |
|---|---|
| PCBs | |
| Total PCBs | 0.0002U/0.0002 U |

| HD-12 | 7/17/02 UA:TT | 3/25/03 UA:TT | 11/12/04 UA:TT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.0002 U | 0.0002 U | 0.0002 U |

| MW-10-03 | 3/20/03 UA:WT | 11/17/04 UA:WT |
|---|---|---|
| PCBs | | |
| Total PCBs | 0.0002 U | 0.0002 U |

| MW-67 | 11/16/2011 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0131 |

| MW-15-03 | 4/29/03 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U/0.0002 U |

| MW-9-03 | 4/10/03 UA:WT |
|---|---|
| PCBs | |
| Total PCBs | 0.0002 U |

| HD-13 | 7/11/2002 UA:TT | 3/19/03 UA:TT | 11/11/04 UA:TT |
|---|---|---|---|
| PCBs | | | |
| Total PCBs | 0.0002 U | 0.0002 U | 0.0002 U |

LEGEND

- SITE INFRASTRUCTURE
- FORMER BUILDING WALL
- MAD RIVER
- BUILDING SLAB
- MONITORING WELL
- SOIL SAMPLING LCOATION

UA Upper Aquifer
LA Lower Aquifer
TT Above Top of Till
BT Below Till
O Other (Intermediate)
WT Water Table
J Estimated Concentration
U Not present at or above the associated value

NOTES
1. Total PCBs are the sum of all positively detected Aroclors.
2. Results reported in milligrams per liter (mg/L).
3. Reporting limit for Aroclor 1254 is shown for U qualified data.

KEY PLAN

0 20 40ft

Figure 3

Groundwater Monitoring Results
Former GM/Delphi Harrison Thermal Systems Facility
Dayton Tech Town
Dayton, Ohio

WESTON SOLUTIONS
711 E. Monument Ave.
Suite 201
Dayton, Ohio
45402

# ATTACHMENT A
# WORK PLAN FOR RISK-BASED MANAGEMENT OF PCB CONTAMINATED MATERIAL, AND U.S. EPA CONDITIONAL APPROVAL FOR REMEDIATION OF PCBS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 9 2010

REPLY TO THE ATTENTION OF:
L-8J

Chris Lipson, Senior Development Specialist
City of Dayton, City Hall
Office of Economic Development
101 West Third St.
Dayton, Ohio 45401

RE: Conditional Approval for Remediation of Polychlorinated Biphenyls at City of Dayton, Ohio - Tech Town site

Dear Mr. Lipson:

The U.S. Environmental Protection Agency, Region 5, conditionally approves a Work Plan dated August 25, 2010, for Risk-Based Management of Polychlorinated Biphenyls (PCBs) Contaminated Material, submitted by Weston Solutions, Inc., on behalf of the City of Dayton, Ohio. The Region 5 Brownfields program participated in the planning stages of this PCB remediation project; in part, this project is funded by the American Recovery and Reinvestment Act (ARRA). The notification and request for approval were evaluated under Section 6 of the Toxic Substances Control Act (TSCA), 15 U.S.C. §.2605, and the federal PCB regulations at 40 CFR§761.61(c). In accordance with these sections, EPA will approve a risk-based disposal application if it finds that the proposed method will not pose an unreasonable risk of injury to health or the environment. The authority to approve such methods has been delegated to the Director of the Land and Chemicals Division, EPA Region 5.

Weston Solutions' work plan describes removal activities proposed for four Areas of Interest (AOIs) at the Tech Town site. These include AOI 36 (Building 15 T-Trench); AOI 47 (Building 12B T-Trench); AOI 48 (Underground Storage Tank no. 3); and AOI 44 (Building 12B lead contamination). Additionally, a concrete slab overlying contaminated gravel containing up to 27 parts per million total Aroclor PCBs situated at the southern end of AOI 36, will be left in place, without removal. A highly conservative human health risk assessment incorporated into the work plan affirmed that leaving T-Trench materials at the southern end of AOI 36 would not result in unreasonable risks to human health. Accordingly, we concur that removal of certain contaminated materials at all four AOI's, coupled with controlled management of T-Trench materials remaining at the southern portion of AOI 36, will not present an unreasonable risk of injury to health or the environment.

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It is a condition of this Approval that City of Dayton shall institute proper and appropriate restrictions and environmental controls to protect site workers and other visitors to the former Building 15 area. It is our understanding that at conclusion of site-wide remediation, under Ohio Revised Code Chapter 3746 as detailed in Ohio Administrative Code 3745-300, an Environmental Covenant will be prepared, incorporating elements specific to the Building 15 T-Trench area.

Site management will include land use restrictions limiting the property to a commercial/industrial use category. Groundwater use restrictions shall be imposed at the site. The concrete slab itself, left in place, will be covered with several feet of clean fill and paved over with asphalt, constituting a driveway. This barrier system should be appropriately maintained per an Operation and Maintenance plan, to be prepared. Subsequent to driveway installation, there are no plans for other localized procedures for any workers who must excavate or disturb soil within vicinity of the southern Building 15 T-Trench.

This approval is effective as of the date of this letter. The City of Dayton must receive prior written authorization from EPA for any departure from the conditions of this PCB approval or the provisions of the work plan. This approval does not relieve the City of Dayton from compliance with any other federal, state or local regulation and does not preclude EPA from initiating any enforcement action, including an action seeking civil penalties for any violation of federal regulations. All conditions of this approval and other applicable requirements of TSCA and its regulations will continue to apply to the site after construction and redevelopment activities are completed at the Tech Town site.

If you have any further questions, please contact either Peter Ramanauskas at (312) 886-7890 or Allen Debus at (312) 886-6186, of my staff.

Sincerely,

Bruce F. Sypniewski
Acting Director
Land and Chemicals Division

Cc: Laura Funk, Weston Solutions, Inc.

Weston Solutions, Inc.
711 E. Monument Avenue, Suite 201
Dayton, OH 45402
937-531-4400 • Fax 937-531-4401
www.westonsolutions.com

August 25, 2010

Mr. Allen Debus
Waste, Pesticides, and Toxics Division
United States Environmental Protection Agency Region 5
77 West Jackson Blvd., DW8-J
Chicago, IL 60604-3590

**Subject:** **Request for 40 CFR 761.61(c) Approval**
**Work Plan for Risk-Based Management of PCB-Contaminated Material**
**Dayton Tech Town**
**Technical Direction Document No.: S05-0020-1002-012**
**Document Control No.: 939-2A-AHMC**
**Work Order No.: 20405.012.020.0939.00**

Dear Mr. Debus:

Weston Solutions, Inc. (WESTON®), and the City of Dayton (the City) request the United States Environmental Protection Agency (U.S. EPA) to approve this revised Work Plan (WP) for risk-based management of polychlorinated biphenyl (PCB)-contaminated materials discovered during demolition for the Dayton Tech Town (former General Motors [GM] Delphi Harrison Radiator Thermal Systems Plant) located at 300 Taylor Street, Dayton, Ohio (the Site). This WP is consistent with and heavily based on GM's WP dated April 14, 2009, which was submitted to the U.S. EPA for review but never implemented.

This WP discusses the proposed removal activities for the following (see **Figure 1**):

- Area of Interest [AOI] 36 - Building 15 T-trench
- AOI 47 - Building 12B T-trench
- AOI 48 -Underground Storage Tank (UST) 3
- AOI 44 - Building 12B lead contamination

Attachment C to GM's WP dated April 14, 2009, presents waste characterization data associated with these features. Attachment D to GM's WP presents the risk assessment of potential exposure to the contents of the southern portion of the Building 15 trench. This WP includes a sample collection plan (see **Table 1**) and a laboratory quality assurance plan (see **Table 2**). All verification soil samples shall be analyzed by an Ohio Voluntary Action Program (VAP) certified laboratory using VAP certified methodology.

This WP is being submitted in accordance with Title 40 of the *Code of Federal Regulations* (CFR), Section 761.61(c), which allows PCBs to remain in place at a Site under the Toxic Substances Control Act (TSCA) based on a site-specific risk assessment of current and



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anticipated future use scenarios and considering both human health and ecological exposures to residual PCBs.

The following sections discuss each AOI, including proposed removal activities and post-removal sampling protocols; redevelopment plans; the schedule; reporting; and a request for approval.

## AOI 36 - BUILDING 15 T-TRENCH

The following sections discuss the AOI 36 description, pre-removal sampling results, the risk assessment for the southern portion of the trench, and proposed removal activities for the northern portion of the trench.

### Description

AOI 36 is a trench located in the area of former Building 15 (see **Figures 1** and **2**). The City of Dayton identified the trench on April 26, 2006, during Stage 2 demolition activities. The trench consists of a metal-lined concrete structure containing pea gravel, water, and sludge. The northern portion of the trench, which extends into the City's proposed utility corridor, is approximately 20 feet long, 7 feet deep, and 6 to 9 feet wide. The southern portion of the trench is located beneath the concrete slab of former Building 15. Based on visual evidence at the surface of the concrete slab, this portion of the trench is estimated to extend approximately 40 feet to the south and 55 feet to the east and is approximately 3 to 10 feet wide. Based on Geoprobe borings that GM advanced on August 12, 2008, the depth of the main southern portion of the trench ranges from 7.5 feet below ground surface (bgs) in the north to 9.5 feet bgs in the south. The depth of the eastern "fingers" is approximately 1.5 feet bgs.

### Pre-Removal Sampling Results

The City collected a gravel sample from the northern portion of the trench on April 27, 2006, and analyzed the sample for PCBs, Toxicity Characteristic Leaching Procedure (TCLP) metals, TCLP volatile organic compounds (VOC), and TCLP semivolatile organic compounds (SVOC). The sample contained PCBs at 15.6 milligrams per kilogram (mg/kg) and barium at 0.27 milligrams per liter (mg/L). On April 27, 2006, the City also collected four water samples from the trench and analyzed one sample for PCBs, one for total VOCs, one for total SVOCs, and one for Resource Conservation and Recovery Act (RCRA) metals. The samples contained PCBs at 0.808 mg/L, methylene chloride at 0.0221 mg/L, and bis(2-chloroethyl)ether at 0.12 mg/L. The sample contained several metals, the maximum concentration of which was for barium at 0.154 mg/L. On June 1, 2006, the City collected two wipe samples from the metal lining of the trench and analyzed the samples for PCBs, which were not detected in the wipe samples. Also, on August 30, 2006, at the request of U.S. EPA, the City collected two samples of sludge from the bottom of the northern portion of the trench and analyzed the samples for PCBs. The samples contained 1,720 and 717 mg/kg PCBs.



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On August 12, 2008, GM collected 10 gravel samples from the southern portion of the trench at six Geoprobe locations. The samples were analyzed for PCBs, TCLP VOCs, TCLP SVOCs, and TCLP metals. Only PCBs were detected. PCBs were detected in all samples at concentrations ranging from 0.064 to 27 mg/kg. **Figure 2** shows the sampling locations and results. The gravel was wet but not saturated, and no sludge was encountered at any Geoprobe location. Therefore, no water or sludge samples were collected during this sampling event.

Risk Assessment – Southern Portion of Trench

According to the April 14, 2009 WP, exposure of routine workers, maintenance workers, construction workers, and trespassers to PCBs in gravel in the Building 15 trench is not reasonably expected under current or future conditions. However, potential exposure of routine workers during outdoor and maintenance activities was evaluated assuming hypothetical future exposure scenarios in which the overlying building slab is removed and gravel is exposed. The risk assessment was conducted using the same methods, assumptions, and conceptual site model as those used in the baseline risk assessment and the updated risk assessments in the RCRA Facility Investigation (RFI) Report, Addendum 3. The risk assessment was based on analytical results for the 10 samples collected by GM on August 12, 2008, from the southern portion of the Building 15 trench discussed above (see **Figure 2**). Sample results for the northern portion of the trench were not included in the risk assessment because the City proposes removing gravel from that portion of the trench.

As demonstrated by the upper-bound risk estimates for hypothetical exposure to gravel in the southern portion of the trench, even the highest concentrations of PCBs in the gravel would not pose a significant risk to maintenance workers. In addition, as demonstrated by the cumulative risk estimates for a highly conservative, hypothetical exposure unit encompassing the southern portion of the trench and adjacent soil, the concentrations of PCBs in the gravel in combination with the concentrations of all detected chemicals in the surface soil in RFI sub-areas SB-129-04 and SB-1-02 (see **Figure 1)** would not pose a significant risk to routine workers if they were to have equal chance of contact with surface materials in the exposure unit.

Based on these risk assessment findings, the City proposes to allow the gravel in the southern portion of the trench to remain in place. Therefore, only the northern portion of the trench will be addressed by the proposed removal activities.

Proposed Removal Activities – Northern Portion of Trench

The plywood, concrete, and plastic overlying the northern portion of the trench will be removed, reduced into suitably sized pieces for disposal, and disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii). If the trench contains any water, the water will be pumped from the trench and managed as summarized below.



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- Water will be containerized in a polyethylene (poly) tank(s) or equivalent.
- After settling to minimize turbidity, the water will be pumped through a drum containing a sand filter, through two drums containing granular activated carbon (GAC), and into a fractionation (frac) tank.
- Sediment, if any, will be removed from the poly tank(s), placed in drum(s), and disposed of in accordance with 40 CFR 761.61(a)(5)(i)(B)(2).
- The poly tanks(s) will be power-washed with potable water to remove any residual sediment, and this water also will be pumped through a drum containing a sand filter, through two drums containing GAC, and into a frac tank.
- Water in the frac tank will be sampled for VOCs, SVOCs, RCRA Metals, and PCBs after all water has been put into the tank or when the tank is full. If PCBs are less than 3 parts per billion (ppb) and the concentrations of other constituents are below drinking water criteria, the water will be discharged to the storm sewer if such discharge is deemed permissible by the Small Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) permittee. If other constituents are present at concentrations below criteria acceptable for discharge to the sanitary sewer system, the discharge will be coordinated under a permit from the City. If constituents are present in the water at concentrations exceeding discharge criteria, the water will be processed back through the filtration system and resampled or will be disposed of off site in accordance with applicable regulations.
- The poly tank(s), drum(s) containing sand, and drums containing GAC will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii) at the conclusion of the remedial action.

The gravel will be excavated from the northern portion of the trench and placed directly into hauling vehicles. Based on the City's sampling results and due to the probability of some mixing with sludge having occurred during the City's excavation, sampling, and replacement activities, this material will be disposed of off site as TSCA, non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii).

Based on the City's sampling results, the sludge will be containerized and disposed of off site as TSCA, non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii). Excavation will continue until no more sludge is encountered. Based on Geoprobe borings completed by GM in August 2008, the sludge is not anticipated to extend more than a few feet into the southern portion of the trench.

After the trench contents have been removed, the metal liner will be inspected. If the metal liner is significantly rusted or pitted so that decontamination would likely be ineffective, it will be cut into sections, removed from the trench, placed into a roll-off box, and disposed of off site as TSCA non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii). The liner will



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be considered to be significantly rusted or pitted if one or more of the following conditions apply:

- If the liner is rusted through;
- If the liner is rusted to the extent that it would not constitute a non-porous material conducive to sampling under part 761.79;
- If the liner is pitted such that power-washing would be ineffective in removing sludge within the divots;
- If the liner is pitted such that it has been breached.

If the metal liner is not significantly rusted or pitted, it will be power-washed with potable water (which will be managed in the same manner as water from trench dewatering activities). Sampling will be conducted consistent with 40 CFR Part 761, Subpart P, for large, nearly flat surfaces contaminated by a single source of PCBs. Consistent with these guidelines, one wipe sample will be collected at random from each group of 10 adjacent 1-meter sections, and up to 10 samples will be composited. A minimum of three samples will be collected for each medium. The samples will be analyzed for PCBs. The liner will be removed from the trench, cut into sections, and placed into a roll-off box. Consistent with 40 CFR Part 761.79(b)(3)(i)(A), the metal will be sent for off-site recycling if the wipe sample results are less than or equal to 10 micrograms (µg) per 100 square centimeters ($cm^2$). If wipe sample results are greater than 10 µg per 100 $cm^2$ and less than 100 µg per 100 $cm^2$, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(3)(ii). Otherwise, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(B)(2)(iii).

After the metal liner has been removed, the underlying concrete will be inspected for evidence of deterioration of the concrete trench or breaches in the concrete. Locations of breaches, cracks or other such deterioration will be noted.

After the metal liner has been removed, a poured concrete wall or similar permanent barrier will be installed to close off the southern portion of the trench. The concrete trench will sampled from 0 to 3 inches below the concrete surface using a hammer drill or similar equipment. Three concrete samples will be collected with each sample representing a composite of two sampling locations. The concrete trench will be removed, broken into suitably sized pieces for disposal, and disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2).

After the concrete trench has been removed, soil sampling will be conducted. If evidence of deterioration of the trench or breaches in the concrete is identified, soil samples will be collected from locations where such evidence is observed. If no evidence of deterioration of the trench or breaches in the concrete is identified, one soil sample will be collected from the middle of the excavation. The soil sample(s) will be analyzed for PCBs. If soil sample results are greater than 25 mg/kg PCBs and contamination is limited in extent, the City will dispose of the soil off site as remediation waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2). If PCB contamination in soil is extensive, the City will contact U.S. EPA to discuss next steps. If soil sample results are less than or equal to 25 mg/kg, the soil will remain in place and be covered with backfill during



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upcoming construction activities. The City may also elect to dispose of soil with sample results less than or equal to 25 mg/kg in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii) as needed to facilitate the construction activities. In the event PCBs are detected in soil at concentrations greater than 25 mg/kg and the affected media is removed, verification soil sampling will be performed thereafter in accordance with 40 CFR 761.61 Subpart O.

Appropriate precautions will be taken during all aspects of the work to prevent migration of any contaminated medium (such as solids, liquids, or sludges) to the environment. A report will be prepared to document the remedial activities consistent with 40 CFR 761.61(c)(5). This report will be submitted to U.S. EPA.

At the conclusion of the remedial activities, the excavations created by the activities described in this WP will be cordoned off or otherwise left in a condition that does not present a public safety hazard pending initiation of site grading. The City will conduct appropriate backfilling after the installation of the utilities during the upcoming construction project. The excavations will be backfilled to the grade prescribed by the construction specifications. The slab overlying the southern portion of the Building 15 trench will be covered with aggregate and paved as the drive leading to Building G as part of the upcoming construction project.

## AOI 47 - BUILDING 12B T-TRENCH

The following sections discuss the AOI 47 description, pre-removal sampling results, removal and post-removal sampling activities for the northern portion of trench, and proposed removal activities for the southern portion of the trench.

### Description

On June 1, 2006, the City identified a trench in the area of former Building 12B during Stage 2 demolition activities (see **Figures 1** and **3**). The trench consisted of a metal-lined concrete structure containing gravelly soil. The northern portion of the trench, which extended into the City's proposed utility corridor, was approximately 84 feet long, 4 feet deep, and 3 feet wide. The southern portion of the trench is located beneath the concrete slab of former Building 12B. Based on visual evidence at the surface of the concrete slab, this portion of the trench is estimated to extend approximately 30 feet to the south and range from approximately 6 to 11 feet wide. Based on sampling conducted on October 10, 2008, the trench is more than 2.5 feet deep, although the gravel in the bottom portion of the trench was consolidated and the concrete bottom was not encountered.



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Pre-Removal Sampling Results

On June 1, 2006, the City collected one sand/gravel sample from the northern portion of the trench and analyzed the sample for TCLP SVOCs, TCLP metals, and PCBs. SVOCs were not detected. The only metal detected was barium at 0.24 mg/L. PCBs were detected at 324 mg/kg. Based on these sample results, the northern portion of the trench and its contents were disposed of by GM as TSCA non-hazardous waste.

On October 10, 2008, GM collected four samples of gravel from inside the southern portion of the trench at two locations (T-026 and T-027) by saw-cutting the overlying concrete and collecting samples using a shovel. The samples were analyzed for PCBs, TCLP VOCs, TCLP SVOCs, and TCLP metals. PCB concentrations ranged from 1.4 to 1,300 mg/kg.

On April 1, 2009, GM collected three samples of the concrete slab overlying the Building 12B trench. Each sample represented a composite of two sampling locations. The samples were analyzed for PCBs. PCB (aroclor-1254) concentrations ranged from 13 to 29 mg/kg. **Figure 3** shows the sampling locations and results. The approximate middle point of the composite locations is shown in the figure.

Removal and Post-Removal Sampling Activities – Northern Portion of Trench

Between July and August 2006, GM removed gravel, the metal trench lining, the concrete structure, and surrounding soil from the northern trench area. Between September 27 and 28, 2006, GM disposed of the removed materials off site as TSCA non-hazardous waste. GM collected two post-excavation soil samples (T-024 and T-025) from beneath each end of the former northern portion of the trench. The samples were analyzed for PCBs. In addition, U.S. EPA requested that GM collect additional post-removal samples from all areas where PCBs were detected. **Figure 3** shows the sampling locations and results. The City will use this portion of the trench for a utility corridor.

Proposed Removal Activities – Southern Portion of Trench

The concrete slab overlying the southern portion of the trench will be removed and broken into suitably sized pieces for disposal. The concrete will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii). If the trench contains any water, the water will be pumped from the trench and managed with the water from the Building 15 -trench.

Solids will be excavated from the trench and placed directly into hauling vehicles. Based on GM's sample results (see **Figure 3**), this material will be disposed of off site as TSCA non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii). Excavation will continue until the ends of the trench are encountered.



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After the trench contents have been removed, the metal liner will be inspected. If the metal liner is significantly rusted or pitted so that decontamination would likely be ineffective, it will be cut into sections, removed from the trench, placed into a roll-off box, and disposed of off site as TSCA non-hazardous waste in accordance with 40CFR 761.61(a)(5)(i)(B)(2)(iii). The liner will be considered to be significantly rusted or pitted if one or more of the following conditions apply:

- If the liner is rusted through;
- If the liner is rusted to the extent that it would not constitute a non-porous material conducive to sampling under part 761.79;
- If the liner is pitted such that power-washing would be ineffective in removing sludge within the divots;
- If the liner is pitted such that it has been breached.

If the metal liner is not significantly rusted or pitted, it will be power-washed with potable water (which will be managed in the same manner as water from trench dewatering activities). Sampling will be conducted consistent with 40 CFR Part 761, Subpart P, for large, nearly flat surfaces contaminated by a single source of PCBs. Consistent with these guidelines, one wipe sample will be collected at random from each group of 10 adjacent 1-meter sections, and up to 10 samples will be composited. A minimum of three samples will be collected for each medium. The samples will be analyzed for PCBs. The liner will be removed from the trench, cut into sections, and placed into a roll-off box. Consistent with 40 CFR Part 761.79, the metal will be sent for off-site recycling if the wipe sample results are less than or equal to 10 µg per $cm^2$. If wipe sample results are greater than 10 µg per 100 $cm^2$ and less than 100 µg per 100 $cm^2$, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(3)(ii). Otherwise, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(B)(2)(iii).

After the metal liner has been removed, the underlying concrete will be inspected for evidence of deterioration of the concrete trench or breaches in the concrete. Locations of such breaches, cracks or other such deterioration will be noted.

The concrete trench will then be power-washed with potable water (which will be managed in the same manner as water from trench dewatering activities). If deterioration of the concrete is observed, water will be managed to prevent any further release to the environment during power-washing.

After power-washing, concrete samples will be collected from the Building 12B trench from locations where evidence of potential release from the metal liner to the concrete is identified (if any). Concrete samples will be collected from 0 to 3 inches below the concrete surface using a hammer drill or similar equipment. In the event that the liner was deteriorated throughout, concrete sampling will default to the procedures outlined in 40 CFR 761 Subpart O.



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If evidence of deterioration of the concrete trench or breaches in the concrete is identified, soil samples will be collected from locations where such evidence is observed. Soil samples will be collected beneath the concrete structure or immediately outside the concrete structure by coring through the concrete and using a hand auger to collect each soil sample. In addition, concrete and soil samples will be collected at a location consistent with the location of sample T-027 (see **Figure 3**), where PCBs were detected at 1,300 mg/kg in gravel within the trench, regardless of the condition of the trench at this location. The concrete and soil samples will be analyzed for PCBs. If concrete and/or soil sample results are greater than 25 mg/kg PCBs and contamination is limited in extent, the City will dispose of the affected concrete/soil off site as remediation waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2). If PCB contamination is extensive, the City will contact U.S. EPA to discuss next steps. If either concrete or soil sample results are less than or equal to 25 mg/kg, the material will remain in place and be covered with backfill during construction activities by the City. The City may also elect to dispose of concrete and soil with sample results less than or equal to 25 mg/kg in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii) as needed to facilitate the construction activities.

In the event PCBs are detected in soil or concrete at concentrations greater than 25 mg/kg and the affected media is removed, verification soil sampling will be performed thereafter in accordance with 40 CFR 761.61 Subpart O.

Appropriate precautions will be taken during all aspects of the work to prevent migration of any contaminated medium (such as solids, liquids, or sludges) to the environment. A report will be prepared to document the remedial activities consistent with 40 CFR 761.61(c)(5). This report will be submitted to U.S. EPA.

At the conclusion of the remedial activities, the excavations created by the activities described in this WP will be cordoned off or otherwise left in a condition that does not present a public safety hazard pending initiation of site grading. The City will conduct appropriate backfilling after the installation of the utilities during the upcoming construction project. The excavations will be backfilled to the grade prescribed by the construction specifications.

## AOI 48 - UST 3

The following sections discuss the UST 3 description, pre-removal sampling results, and proposed removal activities.

### Description

Conestoga–Rovers & Associates (CRA) discovered UST 3 (a previously unknown UST) on August 29, 2006. UST 3 consists of an upright metal tank approximately 6 feet in diameter containing water (see **Figure 1**). The historical contents of UST 3 are unknown. UST 3 is partially under a concrete slab and partially surrounded by a subgrade concrete block wall. The floor slabs have been in place since approximately 1919 or 1920.



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Pre-Removal Sampling Results

On August 29, 2006, the City collected one water sample from UST 3 and analyzed the sample for PCBs, VOCs, SVOCs, and total petroleum hydrocarbon (TPH) parameters. **Attachment** A presents the laboratory report for this sample. The sample contained PCBs at a concentration of 60.2 micrograms per liter (µg/L); vinyl chloride at 898 µg/L; total xylene at 4,650 µg/L; and 2,4-dimethylphenol at 336 µg/L. The TPH analysis detected peaks in the kerosene- and motor oil-ranges and also a high component of lighter compounds.

On April 1, 2009, GM collected three samples of the concrete overlying UST 3 and analyzed the samples for PCBs. PCB (aroclor-1254) concentrations ranged from 4.0 to 12 mg/kg.

Proposed Removal Activities

The proposed removal activities for UST 3 are consistent with the *Ohio Administrative Code* (OAC) 1301:7-9-12. WESTON will engage a certified UST installer to perform the work, obtain a permit from the local fire agency pursuant to OAC 1301:7-9-10, and arrange for a certified UST inspector to observe the work.

The concrete slab will be removed to the extent necessary to allow the safe removal of UST 3 and then will be broken into suitably sized pieces for disposal. The concrete slab will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii).

Water from the UST will be managed as summarized below.

- Water will be pumped through a drum containing a sand filter, through two drums containing GAC, and into a frac tank.
- Water in the frac tank will be sampled for VOCs, SVOCs, RCRA Metals, and PCBs after all water has been put into the tank or when the tank is full. If PCBs are less than 3 ppb and the concentrations of other constituents are below drinking water criteria, the water will be discharged to the storm sewer if such discharge is deemed permissible by the MS4 NPDES permittee. If other constituents are present at concentrations below criteria acceptable for discharge to the sanitary sewer system, the discharge will be coordinated under a permit from the City. If constituents are present in the water at concentrations exceeding discharge criteria, the water will be processed back through the filtration system and resampled or disposed of off site in accordance with applicable regulations.
- The drum(s) containing sand, and drums containing GAC will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii) at the conclusion of the remedial action.



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The UST will be cleaned and removed pursuant to OAC 1301:7-9-12(G). The UST will be rendered unusable and free of vapors. Two wipe samples will be collected from the inside of the tank following cleaning in accordance with 40 CFR 761 Subpart P. Consistent with 40 CFR Part 761.79, the metal tank will be sent for off-site recycling if the wipe sample results are less than or equal to 10 µg per 100 $cm^2$. If wipe sample results are greater than 10 µg per 100 $cm^2$ and less than 100 µg per 100 $cm^2$, the metal tank will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(3)(ii). Otherwise, the metal tank will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(B)(2)(iii).

Samples will be collected prior to the removal of soil or backfill from the tank cavity. One soil sample will be collected from each of the four sidewalls and one soil sample will be collected from the bottom of the cavity. The samples will be analyzed for PCBs by a laboratory accredited under the National Environmental Laboratory Accreditation Program (NELAP). Following the collection of these samples, excavation of backfill from the cavity will commence. Removal of all backfill from the tank excavation is required pursuant to OAC 1301:7-9-12(G)(1)(f). However, the backfill may not be visually distinct from native soil because both consist of sand and gravel. Therefore, only stained soil, if any, will be removed to a maximum extent of 12 inches from the tank wall. All removed soil will be staged, sampled, and analyzed for TCLP VOCs, TCLP SVOCs, and TCLP metals. The results of these TCLP analyses and the PCB analyses will be used for waste characterization purposes. The maximum concentration of PCBs detected in the five in-situ soil samples will be used to represent the PCB concentration in the waste in its characterization for disposal. The excavated backfill/soil will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2) and applicable regulations.

Post-excavation soil samples will be collected from the floor of the excavation and from each of the four sidewalls on a 10 ft by 10 ft grid system in accordance with OAC 1301:7-9-12. Wherever a subsurface foundation is adjacent to the UST (for example, on the southern wall), a sample of the concrete or brick wall also will be collected and analyzed for PCBs. The sample from the western sidewall will be collected from greater than 6 feet bgs (deeper than sample S-011) as requested by U.S. EPA. Samples will be collected from the location with the greatest evidence of potential contamination, including stained areas and areas yielding elevated photoionization detector (PID) readings. If no evidence of potential contamination is observed, the sample will be collected from the middle of the sidewall or the middle of the excavation floor except as noted above.

All post-excavation soil samples will be submitted to a Ohio VAP-certified laboratory and analyzed for VOCs, SVOCs, and TPH in accordance with OAC 1301:7-9-10 and for PCBs. The VOCs, SVOCs, and TPH results will be compared to applicable criteria set in OAC 1301:7-9-12 and associated response actions. If soil sample results are greater than 25 mg/kg PCBs, the City will contact U.S. EPA to discuss next steps. If concrete/brick results are greater than 25 mg/kg and the area is limited in extent, the associated concrete and brick will be removed and disposed off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2). If either concrete/brick or soil sample results are less than or equal to 25 mg/kg, the material will remain in place and be covered with



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backfill during construction activities by the City. The City may also elect to dispose of concrete, brick, and soil with sample results less than or equal to 25 mg/kg in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii) as needed to facilitate the construction activities.

## AOI 44 - BUILDING 12B LEAD CONTAMINATION

The following sections discuss the AOI 44 description and proposed removal activities.

### Description

A free product area in the northwest portion of Building 12B was identified in May 2006. GM removed 160 tons of soil and concrete from the area and collected post-removal soil samples that contained PCBs, antimony, copper, lead, and zinc. These constituents did not appear to be associated with the free product that was excavated. Lead was detected at up to 4,530 mg/kg and was the constituent of greatest concern. Risk calculations based on the concentrations of metals detected concluded that the metals could contribute significantly to risk estimates for routine workers. Further investigative soil borings (SB-212-09, SB-213-09, SB-214-09, and SB-202-09) were advanced in the area of this apparent "hot spot" to determine the extent of metals and PCB contamination (see **Figure 1**). The proposed removal activities below are based on the results from this investigation.

### Proposed Removal Activities

A field scientist will use an x-ray fluorescence (XRF) screening instrument to initially delineate the approximate excavation area based on shallow soil lead readings in excess of 900 mg/kg, which is one-half the VAP Commercial/Industrial Standard. The approximate excavation area also will be determined based on existing soil analytical results, sampling location maps, and visible indications of the previous excavation area. The excavation will be approximately 10 feet in diameter and approximately 2 feet deep.

If deemed appropriate, an additive may be applied to soil prior to removal for heavy metal immobilization purposes. Waste characterization samples will be collected prior to the removal action. Soil will be sampled and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, and PCBs for disposal approval. The maximum concentration of PCBs detected from the waste characterization sample and the 2006 FP-2 soil sample (2.9 mg/kg aroclor-1254) will be used to represent the PCB concentration in the waste in its characterization for disposal. The removed soil will be placed into a truck or roll-off container for off-site disposal, which will be based on laboratory results and in accordance with RCRA regulations and 40 CFR 761.61(a)(5)(i)(B)(2).

Five verification samples soil samples will be collected (four sidewall samples and one bottom sample) and analyzed for target analyte list (TAL) metals and PCBs. Excavation followed by verification sampling shall continue until PCBs are less than or equal to 25 mg/kg and lead results are less than applicable direct contact standards for Ohio VAP compliance. Post-



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excavation soil samples will be collected from the floor of the excavation and from each of the four sidewalls on a 10 ft by 10 ft grid system. Samples will be collected from the location with the greatest evidence of potential contamination, including stained areas and areas yielding elevated photoionization detector (PID) readings. If no evidence of potential contamination is observed, the sample will be collected from the middle of the sidewall or the middle of the excavation floor. In the event that contamination is significantly more extensive than anticipated, the City will contact U.S. EPA to discuss next steps.

## REDEVELOPMENT PLANS

The City of Dayton is about to begin construction of Building G and a Park-and-Ride area on the portion of the Site located between Taylor and Webster Streets. As part of the construction activities, roughly five feet of concrete will be removed from the northern edge of the remaining Building 12 slab and eastern edge of the remaining Building 15 slab. This concrete will be disposed offsite in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii). Provision for this type of concrete management activity was included in the previous 40 CFR 761.61(c) approval, which per your letter dated April 27, 2009 remains in effect for the Site.

If Site activities result in the discovery of other features impacted by PCBs at greater than 25 mg/kg or removal of media impacted by PCBs at greater than 25 mg/kg, WESTON or the City will contact the U.S. EPA for direction. To facilitate timely response to such discoveries, WESTON requests authorization from the U.S. EPA to dispose of environmental media and legacy infrastructure materials in accordance with 40 CFR 761.61(a)(5)(i)(B)(2) based on applicable PCB concentrations and in accordance with RCRA regulations. To the extent feasible, soil with less than or equal to 25 mg/kg PCBs excavated during construction activities will remain on Site. Should off site disposal of Site media containing PCBs less than or equal to 25 mg/kg be necessitated by the redevelopment (e.g. media does not meet construction criteria to remain on Site), the City requests authorization to dispose of said media in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii).

## SCHEDULE

The removal activities will be implemented upon receipt of U.S. EPA's approval. Removal activities are anticipated to be completed within 6 months.

## REPORTING

The removal activities will be documented in a report to be maintained by the City and available for inspection at City Hall. A copy of the report will be sent to U.S. EPA.



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**REQUEST FOR APPROVAL**

WESTON respectfully requests your approval of this WP. Please call me at (937) 531-4402 if you have any questions or need additional information.

Very truly yours,
WESTON SOLUTIONS, INC.

Jennifer Nutini
Assistant Engineer

Laura Funk
Project Manager

Tables
Figures
Attachment:
A – Laboratory Analytical Report

cc: WESTON START DCN File



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# TABLES

# Table 1
# Sample Collection Plan
# Dayton Tech Town Work Plan
# Dayton, Montgomery County, Ohio

| Sampling Area | Sample Type | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Water[a] | Soil | | | | | | Wipe | Concrete |
| | VOCs, SVOCs, RCRA Metals, PCBs | VOCs, SVOCs, PCBs, TPH | TCLP Metals | TCLP SVOCs | TCLP VOCs | TAL Metals | PCBs | PCBs | PCBs |
| AOI 36 - Building 15 T-Trench | 1 | | | | | | 1 + TBD[b] | 3 | 6[c] + TBD[b] |
| AOI 47 - Building 12B T-Trench | 1 | | | | | | 1 + TBD[b] | 3 | 1+TBD[b] |
| AOI 48 - UST 3 | 1 | 5 | 1 | 1 | 1 | | 5 | 2 | TBD[b] |
| AOI 44 – Building 12B Lead Contamination | | | 1 | 1 | 1 | 5 | 6 | | |

Notes:

In addition to the sample tally shown above, the following quality control samples shall also be collected:

Duplicates will be collected at a rate of 1 per every 10 or fewer samples collected for each matrix or analysis.

Matrix spike/matrix spike duplicates will be collected at a rate of 1 for every 20 or fewer samples for each matrix for PCB analysis

Rinsates will be collected at a rate of 1 for every 20 or fewer samples for PCB analysis for each matrix for which the associated samples are collected using non-dedicated, non-disposable equipment

AOI = Area of Interest
PCB = Polychlorinated biphenyl
RCRA = Resource Conservation and Recovery Act
SVOC = Semivolatile organic compound
TAL = Target Analyte List
TBD = To be determined in the field
TCLP = Toxicity Characteristic Leaching Procedure
TPH = Total petroleum hydrocarbons
UST = Underground storage tank
VOC = Volatile organic compound

a Water samples will be collected for analysis from fractionation tank at a rate of one sample per full tank.
b TBD samples will be collected after inspection of potentially affected media.
c The six concrete samples will be composited into three samples for analysis.



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**Table 2**
**Laboratory Quality Assurance Plan**
**Dayton Tech Town Work Plan**
**Dayton, Montgomery County, Ohio**

| Matrix | Analytical Group | U.S. EPA Laboratory Method |
|---|---|---|
| Soil/Concrete | TAL Metals | U.S. EPA SW 846 Method 6010B/ 6020/7471 |
| | PCBs | U.S. EPA SW 846 Method 8082 |
| | TCLP VOCs | U.S. EPA SW 846 Method 1311 |
| | TCLP SVOCs | U.S. EPA SW 846 Method 1311 |
| | TCLP Metals | U.S. EPA SW 846 Method 1311 |
| | TPH | U.S. EPA SW-846 Method 8015M |
| Water | PCBs | U.S. EPA SW 846 Method 8082 |
| | RCRA Metals | U.S. EPA SW 846 Method 6010B /6020/7470/7471 |
| | VOCs | U.S. EPA SW 846 Method 8260 |
| | SVOCs | U.S. EPA SW 846 Method 8270 |
| Wipe | PCBs | U.S. EPA SW 846 Method 8082 |

Notes:
All laboratories contracted for work in this Work Plan will be NELAP-accredited.
Soil analyses for verification of a removal action will be conducted by a laboratory certified under the Ohio Voluntary Action Program for the applicable analyses.
NELAP = National Environmental Laboratory Accreditation Program
PCB = Polychlorinated biphenyl
RCRA = Resource Conservation and Recovery Act
RCRA Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver
SVOC = Semivolatile organic compound
TAL = Target Analyte List (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, and vanadium)
TBD = To be determined in the field
TCLP = Toxicity Characteristic Leaching Procedure
TPH = Total petroleum hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOC = Volatile organic compound



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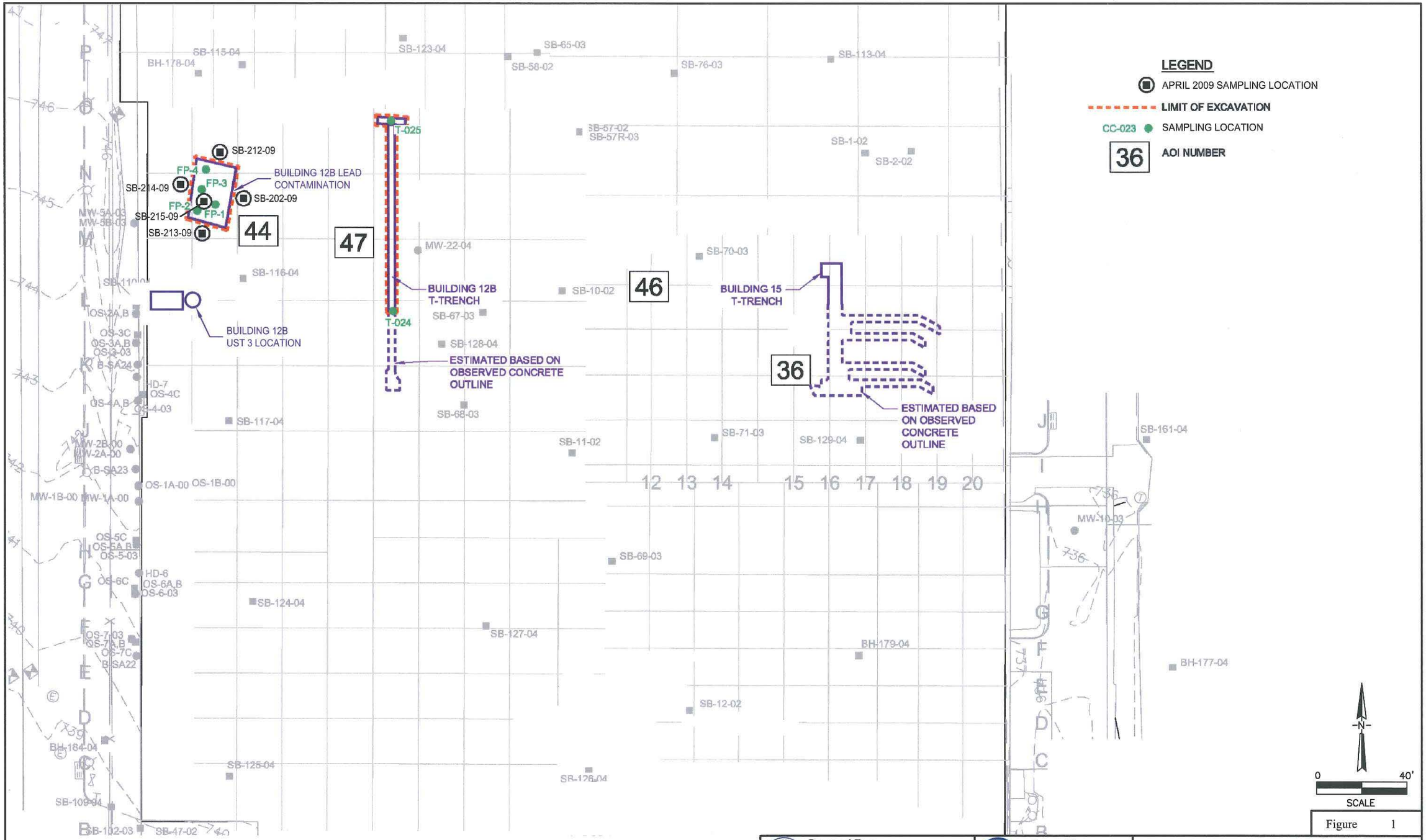
# FIGURES




SOURCE:
CRA, FIGURE 1, PROPOSED BORING LOCATIONS,
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY.

Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0020-1002-012
DCN: 939-2A-AHMC

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Ave.
Suite 201
Dayton, Ohio 45402

Figure 1

**Site Features and Boring Locations**

Dayton Tech Town

Dayton, Montgomery County, Ohio

| Bldg15 T-Trench-BH-1 | 8/12/08 (0-1) ft bgs | 8/12/08 (4-5) ft bgs | 8/12/08 (6.5-7.5) ft bgs |
|---|---|---|---|
| Aroclor-1016 (PCB-1016) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1221 (PCB-1221) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1232 (PCB-1232) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1242 (PCB-1242) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1248 (PCB-1248) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1254 (PCB-1254) | 0.064 | 0.11 | 2.1 |
| Aroclor-1260 (PCB-1260) | 0.034 U | 0.034 U | 0.34 U |

| Bldg15 T-Trench-BH-3 | 8/12/08 (0.5-1.4) ft bgs |
|---|---|
| Aroclor-1016 (PCB-1016) | 0.36 U |
| Aroclor-1221 (PCB-1221) | 0.36 U |
| Aroclor-1232 (PCB-1232) | 0.36 U |
| Aroclor-1242 (PCB-1242) | 0.36 U |
| Aroclor-1248 (PCB-1248) | 0.36 U |
| Aroclor-1254 (PCB-1254) | 3 |
| Aroclor-1260 (PCB-1260) | 0.36 U |

PROPOSED LIMITS OF REMOVAL OF T-TRENCH CONTENTS AND T-TRENCH

BUILDING 15 T-TRENCH

Bldg15 T-Trench-BH-1

Bldg15 T-Trench-BH-3

PROPOSED LOCATION OF CONCRETE WALL SEALING END OF TRENCH

1

| Bldg15 T-Trench-BH-4 | 8/12/08 (0.67-1.4) ft bgs |
|---|---|
| Aroclor-1016 (PCB-1016) | 0.85 U |
| Aroclor-1221 (PCB-1221) | 0.85 U |
| Aroclor-1232 (PCB-1232) | 0.85 U |
| Aroclor-1242 (PCB-1242) | 0.85 U |
| Aroclor-1248 (PCB-1248) | 0.85 U |
| Aroclor-1254 (PCB-1254) | 7.2 |
| Aroclor-1260 (PCB-1260) | 0.85 U |

Bldg15 T-Trench-BH-4

ESTIMATED BASED ON OBSERVED CONCRETE OUTLINE

Bldg15 T-Trench-BH-5

Bldg15 T-Trench-BH-6

Bldg15 T-Trench-BH-2

| Bldg15 T-Trench-BH-2 | 8/12/08 (0.67-1.5) ft bgs | 8/12/08 (4-5) ft bgs | 8/12/08 (8.5-9.5) ft bgs |
|---|---|---|---|
| Aroclor-1016 (PCB-1016) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1221 (PCB-1221) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1232 (PCB-1232) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1242 (PCB-1242) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1248 (PCB-1248) | 0.034 U | 0.034 U | 0.34 U |
| Aroclor-1254 (PCB-1254) | 0.4 | 0.28 | 2.1 |
| Aroclor-1260 (PCB-1260) | 0.034 U | 0.034 U | 0.34 U |

SB-129-04

| Bldg15 T-Trench-BH-6 | 8/12/08 (0.33-1) ft bgs |
|---|---|
| Aroclor-1016 (PCB-1016) | 0.36 U |
| Aroclor-1221 (PCB-1221) | 0.36 U |
| Aroclor-1232 (PCB-1232) | 0.36 U |
| Aroclor-1242 (PCB-1242) | 0.36 U |
| Aroclor-1248 (PCB-1248) | 0.36 U |
| Aroclor-1254 (PCB-1254) | 4.2 |
| Aroclor-1260 (PCB-1260) | 0.36 U |

| Bldg15 T-Trench-BH-5 | 8/12/08 (0.5-1.5) ft bgs |
|---|---|
| Aroclor-1016 (PCB-1016) | 3.7 U |
| Aroclor-1221 (PCB-1221) | 3.7 U |
| Aroclor-1232 (PCB-1232) | 3.7 U |
| Aroclor-1242 (PCB-1242) | 3.7 U |
| Aroclor-1248 (PCB-1248) | 3.7 U |
| Aroclor-1254 (PCB-1254) | 27 |
| Aroclor-1260 (PCB-1260) | 3.7 U |

15 16 17 18 19

**LEGEND**

- CITY FIND
- RFI SOIL BOREHOLE LOCATION
- SOIL BORING OF T-TRENCH CONTENTS

| T-024 | 9/1/06 — SAMPLING DATE |
|---|---|
| | (0-0.5) ft bgs — SAMPLING DEPTH |
| PCBs | |
| Total PCBs | 220 — RESULT (mg/kg) |

SAMPLING LOCATION

PARAMETER

N

0 10'

SCALE

SOURCE:
CRA, FIGURE 2, AOI 36 – BUILDING 15 T–TRENCH, FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY.

Figure 2

Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0020-1002-012
DCN: 939-2A-AHMC

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Ave.
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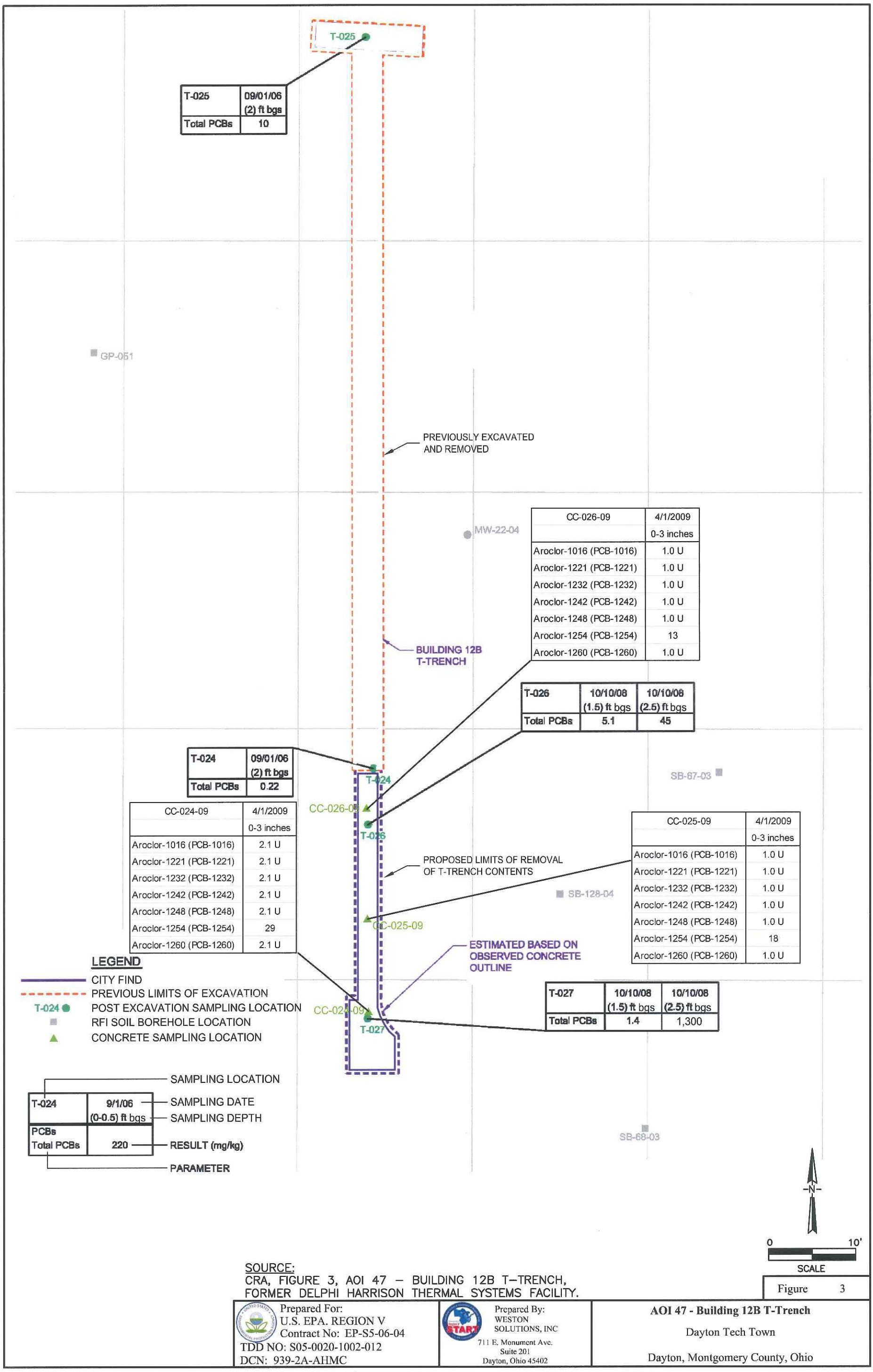
Dayton, Ohio 45402

**AOI 36 - Building 15 T-Trench**

Dayton Tech Town

Dayton, Montgomery County, Ohio

...\939\2009\02110.dwg, 7/22/2010 2:51:26 PM




SOURCE:
CRA, FIGURE 3, AOI 47 – BUILDING 12B T–TRENCH, FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY.

Figure 3

Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0020-1002-012
DCN: 939-2A-AHMC

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Ave.
Suite 201
Dayton, Ohio 45402

**AOI 47 - Building 12B T-Trench**

Dayton Tech Town

Dayton, Montgomery County, Ohio

# ATTACHMENT A
# LABORATORY ANALYTICAL REPORT

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


Enclosed are the Analytical and Quality Control Reports for the following samples submitted to TestAmerica for analysis:

Project: Tech Town

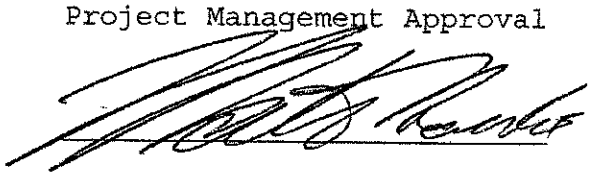
| Sample Number | Sample Description | Date Taken | Date Received |
|---|---|---|---|
| 218254 | WC-82906-01-04 | 08/29/2006 | 08/29/2006 |

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica certifies that the analytical results contained herein apply only to the specific samples analyzed. Reproduction of this report is permitted only in its entirety.

Enclosure

Project Management Approval



Dayton - 3601 South Dixie Drive, Dayton, OH 45439 937-294-6856/FAX:937-294-7816
Dundee (Chicago) - 1090 Rock Road Lane, Unit 11, Dundee, IL 60118 847-783-4960/FAX:847-783-4969
Indianapolis - 6964 Hillsdale Court, Indianapolis, IN 46250 317-842-4261/FAX:317-842-4286
Pontiac - 341 W. Walton Blvd, Pontiac, MI 48340 248-332-1940/FAX:248-332-5450

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TestAmerica Analytical Testing Corporation | TestAmerica Drilling Corporation | TestAmerica Air Emission Corporation

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254
**SAMPLE DESCRIPTION** WC-82906-01-04
**DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Prep, Base Neutral | SW 3520 | | Complete | Z | 08/30/2006 | | 2778 | | tad | DT | |
| Prep, Acid Extractable | SW 3520 | | Complete | Z | 08/30/2006 | | 2778 | | tad | DT | |
| Prep, PCBs Aqueous 8082 | SW 3520 | | Complete | Z | 08/30/2006 | | 1972 | | tad | DT | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| Acetone | <20.0 | ug/L | <20.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Benzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Br dichloromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| I orm | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Br obenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | <12.5 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Carbon tetrachloride | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chloroethane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2-Chlorotoluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 4-Chlorotoluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chloroform | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chloromethane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Dibromochloromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Dibromomethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Dichlorodifluoromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1-Dichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2-Dichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1-Dichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| cis-1,2-Dichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| trans-1,2-Dichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |

Z - Insufficient sample for MS/MSD.

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254
**SAMPLE DESCRIPTION** WC-82906-01-04
**DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,3-Dichloropropane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2,2-Dichloropropane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1-Dichloropropene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| cis-1,3-Dichloropropene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| trans-1,3-Dichloropropene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Ethylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Hexachlorobutadiene | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| n-Hexane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2-Hexanone | <12.5 | ug/L | <12.5 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| p-Isopropyltoluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Bromomethane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Methylene chloride | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Methyl-tert butyl ether (MTBE) | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | <12.5 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| n-Propylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Styrene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Tetrachloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Toluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,1-Trichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,2-Trichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Trichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Trichlorofluoromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,3,5-Trimethylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Vinyl acetate | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Vinyl chloride | 898 | ug/L | <100 | | 09/03/2006 | | | 9278 | prb | DT | SW 8260B |
| Xylenes, Total | 4,650 | ug/L | <200 | | 09/03/2006 | | | 9278 | prb | DT | SW 8260B |
| Surr: 1,2-Dichloroethane-d4 | 80-120 | % | 80-120 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Surr: Dibromofluoromethane | 86-118 | % | 86-118 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

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ANALYTICAL TESTING CORPORATION
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# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254
**SAMPLE DESCRIPTION** WC-82906-01-04
**DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surr: Toluene-d8 | 88-110 | % | 88-110 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Surr: 4-Bromofluorobenzene | 86-115 | % | 86-115 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | | |
| Acenaphthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Acenaphthylene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Anthracene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(a)anthracene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(b)fluoranthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(k)fluoranthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(a)pyrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| B (ghi)perylene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| alcohol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzyl butyl phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-Chloroethyl)ether | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-Chloroethoxy)methane | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-Ethylhexyl)phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-chloroisopropyl)ether | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 4-Bromophenyl phenyl ether | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 4-Chloroaniline | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Chloronaphthalene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Chrysene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Dibenz(a,h)anthracene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Dibenzofuran | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,2-Dichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,3-Dichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,4-Dichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Diethyl phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Dimethyl phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4-Dinitrotoluene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,6-Dinitrotoluene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Di-n-octylphthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Fluoranthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Fluorene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

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# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254
**SAMPLE DESCRIPTION** WC-82906-01-04
**DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexachlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Hexachlorocyclopentadiene | <20 | ug/L | <20 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Hexachloroethane | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Indeno(1,2,3-cd)pyrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Isophorone | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Naphthalene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Nitrobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| N-Nitrosodi-n-propylamine | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Phenanthrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Pyrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,2,4-Trichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: d5-Nitrobenzene | 24 | % | 35-124 | W | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | 82 | % | 43-134 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: d14-Terphenyl | 66 | % | 34-149 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | | |
| Benzoic acid | <50 | ug/L | <50 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 4-Chloro-3-methylphenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Chlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4-Dichlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4-Dimethylphenol | 336 | ug/L | <100 | | 09/05/2006 | | 2778 | 5547 | jcs | DT | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Methylphenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| meta & para-Methylphenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Nitrophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Pentachlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Phenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4,5-Trichlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4,6-Trichlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: d6-Phenol | 95 | % | 10-149 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: 2-Fluorophenol | 0 | % | 21-145 | W | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: Tribromophenol | 82 | % | 21-146 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| PCB's M 8082. Aqueous | | | | | | | | | | | |
| Aroclor 1016 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |

W - Surrogate is outside of control limits.
f - Elevated value due to high levels of target analytes.

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

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# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254
**SAMPLE DESCRIPTION** WC-82906-01-04
**DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1221 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1232 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1242 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1248 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1254 | 60.2 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1260 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Surrogate: DCB | n/a | % | | g | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Surrogate: TCX | DL | % | | g | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| DRO Fingerprint Scan Prep | complete | | Complete | | 08/30/2006 | | 20 | | tad | DT | |
| DRO Fingerprint Scan | Complete | | See Text | | 09/02/2006 | | 20 | 91 | twm | DT | SW 8015 (Mod) |

f - Elevated value due to high levels of target analytes.
g - Surrogate was diluted out during analysis.

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

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# Quality Control Report
## Blanks

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Vinyl chloride | | 9278 | <1.0 | ug/L | | 09/03/2006 |
| Xylenes, Total | | 9278 | <2.0 | ug/L | | 09/03/2006 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Acetone | | 9279 | <20.0 | ug/L | | 09/05/2006 |
| Benzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| tert-Butylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| sec-Butylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| n-Butylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromochloromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromodichloromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromoform | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 2-Butanone (MEK) | | 9279 | <12.5 | ug/L | | 09/05/2006 |
| Carbon disulfide | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Carbon tetrachloride | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chloroethane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 2-Chlorotoluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 4-Chlorotoluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chloroform | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chloromethane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Dibromochloromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Dibromomethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Dichlorodifluoromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2-Dichlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,3-Dichlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,4-Dichlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1-Dichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2-Dichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1-Dichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| cis-1,2-Dichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| trans-1,2-Dichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2-Dichloropropane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,3-Dichloropropane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 2,2-Dichloropropane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1-Dichloropropene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| cis-1,3-Dichloropropene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| trans-1,3-Dichloropropene | | 9279 | <1.0 | ug/L | | 09/05/2006 |

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# Quality Control Report
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Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| Ethylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Hexachlorobutadiene | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| n-Hexane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 2-Hexanone | | 9279 | <12.5 | ug/L | | 09/05/2006 |
| Isopropylbenzene (Cumene) | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| p-Isopropyltoluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromomethane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Methylene chloride | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Methyl-tert butyl ether (MTBE) | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 4-Methyl-2-pentanone (MIBK) | | 9279 | <12.5 | ug/L | | 09/05/2006 |
| n-Propylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Styrene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1,1,2-Tetrachloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1,2,2-Tetrachloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Tetrachloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Toluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2,4-Trichlorobenzene | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 1,1,1-Trichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1,2-Trichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Trichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Trichlorofluoromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2,4-Trimethylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,3,5-Trimethylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Vinyl acetate | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Surr: 1,2-Dichloroethane-d4 | | 9279 | 96 | % | | 09/05/2006 |
| Surr: Dibromofluoromethane | | 9279 | 101 | % | | 09/05/2006 |
| Surr: Toluene-d8 | | 9279 | 99 | % | | 09/05/2006 |
| Surr: 4-Bromofluorobenzene | | 9279 | 98 | % | | 09/05/2006 |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | |
| Acenaphthene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Acenaphthylene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Anthracene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(a)anthracene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(b)fluoranthene | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(k)fluoranthene | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(ghi)perylene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(a)pyrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzyl alcohol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| bis(2-Chloroethoxy)methane | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |

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# Quality Control Report
## Blanks

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| bis(2-Chloroethyl)ether | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| bis(2-Ethylhexyl)phthalate | 2778 | 5546 | 108 | ug/L | 08/29/2006 | 08/31/2006 |
| bis(2-chloroisopropyl)ether | 2778 | 5546 | <5.0 | ug/L | 08/29/2006 | 08/31/2006 |
| 4-Bromophenyl phenyl ether | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzyl butyl phthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 4-Chloroaniline | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Chloronaphthalene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Chrysene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Dibenz(a,h)anthracene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Dibenzofuran | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,2-Dichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,3-Dichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,4-Dichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Diethyl phthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Dimethyl phthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4-Dinitrotoluene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,6-Dinitrotoluene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Di-n-octylphthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Fluoranthene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Fluorene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Hexachlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Hexachlorocyclopentadiene | 2778 | 5546 | <20 | ug/L | 08/29/2006 | 08/31/2006 |
| Hexachloroethane | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Indeno(1,2,3-cd)pyrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Isophorone | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Naphthalene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Nitrobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| N-Nitrosodi-n-propylamine | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Phenanthrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Pyrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,2,4-Trichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Surrogate: d5-Nitrobenzene | 2778 | 5546 | 85 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: 2-Fluorobiphenyl | 2778 | 5546 | 85 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: d14-Terphenyl | 2778 | 5546 | 87 | % | 08/29/2006 | 08/31/2006 |
| ACID COMPOUNDS (AQ) 8270 | | | | | | |
| 2-Chlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 4-Chloro-3-methylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Methylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| meta & para-Methylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |

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# Quality Control Report
## Blanks

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| Benzoic acid | 2778 | 5546 | <50 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4-Dichlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4-Dimethylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Methyl-4,6-dinitrophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Nitrophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Pentachlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Phenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4,5-Trichlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4,6-Trichlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Surrogate: d6-Phenol | 2778 | 5546 | 84 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: 2-Fluorophenol | 2778 | 5546 | 78 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: Tribromophenol | 2778 | 5546 | 85 | % | 08/29/2006 | 08/31/2006 |
| PCB's M 8082, Aqueous | | | | | | |
| Aroclor 1016 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1221 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1232 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1242 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1248 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1254 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1260 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Surrogate: DCB | 1972 | 803 | n/a | % | 08/30/2006 | 09/05/2006 |
| Surrogate: TCX | 1972 | 803 | 85 | % | 08/30/2006 | 09/05/2006 |

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-294-6856 • Fax: 937-294-7816 • 800-572-9839

# Quality Control Report
## Laboratory Control Standard

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch No. | Run Batch No. | Date Analyzed | LCS True Conc | LCS Conc Found | LCS % Rec. |
|---|---|---|---|---|---|---|
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Xylenes, Total | | 9278 | 09/03/2006 | 60 | 56.6 | 94 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Benzene | | 9279 | 09/05/2006 | 20 | 20.6 | 103 |
| Chlorobenzene | | 9279 | 09/05/2006 | 20 | 19.1 | 96 |
| 1,1-Dichloroethene | | 9279 | 09/05/2006 | 20 | 19.7 | 98 |
| Ethylbenzene | | 9279 | 09/05/2006 | 20 | 19.5 | 98 |
| Toluene | | 9279 | 09/05/2006 | 20 | 20.4 | 102 |
| Trichloroethene | | 9279 | 09/05/2006 | 20 | 20.1 | 100 |
| Surr: 1,2-Dichloroethane-d4 | | 9279 | 09/05/2006 | 100 | 97 | 97 |
| Surr: Dibromofluoromethane | | 9279 | 09/05/2006 | 100 | 101 | 101 |
| Surr: Toluene-d8 | | 9279 | 09/05/2006 | 100 | 104 | 104 |
| Surr: 4-Bromofluorobenzene | | 9279 | 09/05/2006 | 100 | 97 | 97 |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | |
| Acenaphthene | 2778 | 5546 | 08/31/2006 | 50 | 45.7 | 91 |
| 1,4-Dichlorobenzene | 2778 | 5546 | 08/31/2006 | 50 | 31.4 | 63 |
| 2,4-Dinitrotoluene | 2778 | 5546 | 08/31/2006 | 50 | 51.5 | 103 |
| N-Nitrosodi-n-propylamine | 2778 | 5546 | 08/31/2006 | 50 | 48.2 | 96 |
| Pyrene | 2778 | 5546 | 08/31/2006 | 50 | 47.6 | 95 |
| 1,2,4-Trichlorobenzene | 2778 | 5546 | 08/31/2006 | 50 | 34.9 | 70 |
| Surrogate: d5-Nitrobenzene | 2778 | 5546 | 08/31/2006 | 100 | 88.1 | 88 |
| Surrogate: 2-Fluorobiphenyl | 2778 | 5546 | 08/31/2006 | 100 | 84.5 | 84 |
| Surrogate: d14-Terphenyl | 2778 | 5546 | 08/31/2006 | 100 | 89.7 | 90 |
| ACID COMPOUNDS (AQ) 8270 | | | | | | |
| 2-Chlorophenol | 2778 | 5546 | 08/31/2006 | 50 | 41.6 | 83 |
| 4-Chloro-3-methylphenol | 2778 | 5546 | 08/31/2006 | 50 | 48.5 | 97 |
| Pentachlorophenol | 2778 | 5546 | 08/31/2006 | 50 | 48.3 | 97 |
| Phenol | 2778 | 5546 | 08/31/2006 | 50 | 41.6 | 83 |
| Surrogate: d6-Phenol | 2778 | 5546 | 08/31/2006 | 200 | 162.0 | 81 |
| Surrogate: 2-Fluorophenol | 2778 | 5546 | 08/31/2006 | 200 | 154.0 | 77 |
| Surrogate: Tribromophenol | 2778 | 5546 | 08/31/2006 | 200 | 171.0 | 86 |
| PCB's M 8082, Aqueous | | | | | | |
| Aroclor 1016 | 1972 | 803 | 09/05/2006 | 1.0 | 1.03 | 103 |
| Aroclor 1260 | 1972 | 803 | 09/05/2006 | 1.0 | 1.20 | 120 |
| Surrogate: DCB | 1972 | 803 | 09/05/2006 | 100 | n/a | |
| Surrogate: TCX | 1972 | 803 | 09/05/2006 | 100 | 84 | 84 |

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# Quality Control Report
## Matrix Spike/Matrix Spike Duplicate

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


Matrix Spike/Matrix Spike Duplicate Samples may not be samples from this job.

| Analyte | Sample Number | Prep Batch Number | Run Batch Number | MS % Rec. | MSD % Rec. | RPD | Flags |
|---|---|---|---|---|---|---|---|
| VOLATILE COMPOUNDS - 8260 (AQ) | 217321 | | | | | | |

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.HM4
.RE PAGE OF PAGE

## Notes & Comments

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


Sample: 218254

Analysis: DRO Fingerprint Scan

Although the sample was not an exact match to anything in our library, it had peaks from C10-C16 which is the Kerosene range and also a bump from C18-C38 in the Motor Oil range. It also had a high component of lighter compounds before C9.

CC 5339

**TestAmerica** INCORPORATED

Dayton Division
3601 S. Dixie Drive
Dayton, OH 45439

Phone: 937-294-6856
Toll Free: 800-572-9839
Fax: 937-294-7816

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: WESTON SOLUTIONS INC. Client #: _____
Address: 2556 KOHNE DR. Project Name: TECH TOWN
City/State/Zip Code: MIAMISBURG OH 45342 Project #: _____
Project Manager: LAURA FUNK Site/Location ID: DAYTON State: OH
Telephone Number: 937-384-7200 Fax: 937 384 4201 Report To: L. FUNK
Sampler Name: (Print Name) T. SMITH Invoice To: _____
Sampler Signature: T. Smith Quote # _____ PO# _____

TAT: X Standard; Rush (surcharges may apply); Date Needed: _____; Fax Results: Y N

Matrix: SL-Sludge DW-Drinking Water GW-Groundwater S-Soil/Solid WW-Wastewater Specify Other

Preservation & # of Containers: $HNO_3$ | HCl | NaOH | $H_2SO_4$ | Methanol | None | Other (Specify)

Analyze For: TPH FING. | VOC | SVOC | PCB

QC Deliverables: ___ None; ___ Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: _____

| SAMPLE ID | Date Sampled | Time Sampled | G=Grab, C=Composite | Field Filtered | Matrix | $HNO_3$ | HCl | NaOH | $H_2SO_4$ | Methanol | None | Other (Specify) | TPH FING. | VOC | SVOC | PCB | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WC-B2906-01 | 8/29/06 | 1515 | X | | WW | | | | | | 1 | | X | | | | |
| WC-B2906-02 | 1 | 1545 | X | | WW | | | | | | 1 | | | | X | | |
| WC-B2906-03 | 1 | 1550 | X | | WW | | | | | | 1 | | | X | | | |
| WC-B2906-04 | 1 | 1540 | X | | WW | | 3 | | | | | | | X | | | |
| LAST ITEM | | | | | | | | | | | | | | | | | |

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 15.0° on ice direct from field
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: UPS

| | Date: | Time: | | Date: | Time: |
|---|---|---|---|---|---|
| Relinquished By: T. Smith | 8/29/06 | 1620 | Received By: | 8-29-06 | 16:20 |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |

# ATTACHMENT B
# SAMPLING AND ANALYSIS PLAN, AND
# U.S. EPA RESPONSE TO SAMPLING AND ANALYSIS PLAN

## Funk, Laura

**From:** Debus.Allen@epamail.epa.gov
**Sent:** Thursday, April 28, 2011 2:49 PM
**To:** Funk, Laura
**Cc:** Ramanauskas.Peter@epamail.epa.gov; Mangino.Mario@epamail.epa.gov
**Subject:** Re: Dayton Tech Town - TSCA

Hello Laura:

We have reviewed Weston's 4/27/11 Sampling and Analysis Plan for PCB Delineation in the Building 15 Trench Area. We have the following comments.

1.) We accept the sampling approach as outlined, only for this subparcel (i.e. Bldg. 15 Trench), as intended for characterizing the PCB concentrations in soil, local to the remediated Trench hot spot area.

2.) The 750 ppm level is much greater than the VAP value of 226 ppm, which you originally proposed. At present, we are not concurring on the
750 ppm value as a decision criterion (p.5). Instead we await the
results of your characterization. At that juncture, we may then reconvene on this matter in light of your forthcoming data and TSCA rules.

3.) Minor issue - p.3, QC samples, 2nd par., 5th line. To be considered ("homogenized") field duplicates, these should be collected from co-located and soil samples, 'homogenized' from each separate jar.
The field duplicates shouldn't be 'replicates' taken from the same sampling jar.

:hanks,

Allen Debus
(312) 886-6186

From: "Funk, Laura" <Laura.Funk@WestonSolutions.com>

To: Allen Debus/R5/USEPA/US@EPA

Cc: Jose Cisneros/R5/USEPA/US@EPA, Joseph Dufficy/R5/USEPA/US@EPA, "Bosko, Terry" <Terry.Bosko@WestonSolutions.com>, "Mooney, Kathleen M." <Katie.Mooney@WestonSolutions.com>, Peter Ramanauskas/R5/USEPA/US@EPA, Mario Mangino/R5/USEPA/US@EPA, "'Lipson, Chris'" <Chris.Lipson@daytonohio.gov>, BRAD STIMPLE/R5/USEPA/US@EPA, Brooke Furio/R5/USEPA/US@EPA, Brian Heitkamp <BHeitkamp@citywidedev.com>, "Timothy.Downs@cityofdayton.org" <Timothy.Downs@cityofdayton.org>

Date: 04/27/2011 01:17 PM

Subject: Dayton Tech Town - TSCA

Hi Allen,
WESTON has prepared a brief Sampling and Analysis Plan for the Building 15 Trench Area per our discussion last week. The Sampling and Analysis Plan is attached for your review. We look forward to hearing back from you.
Sincerely,
Laura

Laura Funk, CP 286
Weston Solutions, Inc.
711 East Monument Avenue, Suite 201
Dayton, OH 45402
(937) 531-4402
fax: (937) 531-4401

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.
-- [attachment "Sampling and Analysis Plan - 15 Trench Area Delineation.pdf" deleted by Allen Debus/R5/USEPA/US]

Weston Solutions, Inc.
711 E. Monument Avenue, Suite 201
Dayton, OH 45402
937-531-4400 • Fax 937-531-4401
www.westonsolutions.com

April 27, 2011

Mr. Allen Debus
Waste, Pesticides, and Toxics Division
United States Environmental Protection Agency Region 5
77 West Jackson Blvd., DW8-J
Chicago, IL 60604-3590

**Subject:** **Sampling and Analysis Plan**
**PCB Delineation in the Building 15-Trench Area**
**Dayton Tech Town**
**Work Order No.: 12473.005.007**

Dear Mr. Debus:

Per our conference call on April 20, 2011, Weston Solutions, Inc. (WESTON®) has prepared this Sampling and Analysis Plan to investigate exposed soil around the Building 15 Trench Excavation Area at the Dayton Tech Town Site (former General Motors [GM] Delphi Harrison Radiator Thermal Systems Plant) located at 300 Taylor Street, Dayton, Ohio (the Site).

## DELINEATION IN THE BUILDING 15-TRENCH AREA

A soil investigation will be conducted to the north, east, and west of the Building 15 Trench excavation to further delineate polychlorinated biphenyl (PCB) concentrations in soil. The area immediately south of the Building 15 Trench excavation is covered with concrete; therefore, no borings are proposed to the south of the Building 15 Trench excavation.

A total of three step-out soil borings will be advanced by Geoprobe to the north, east, and west of the Building 15 Trench excavation on the Site. Two surface soil samples will also be collected near the east and west walls of the excavation. The sampling locations are shown on Figure 1 and described as follows:

- T15-SB-216 – soil boring located immediately south of the former Building 24 slab and approximately 5 feet north of the trench excavation as measured from the north wall.
- T15-SB-217 – soil boring located approximately 15 feet west of the trench excavation as measured from the west wall.
- T15-SB-218 – soil boring located approximately 15 feet east of the trench excavation as measured from the east wall.
- T15-SS-219 – surface soil sampling location located within 3 feet of the east wall of the trench excavation.
- T15-SS-220 – surface soil sampling location located within 3 feet of the west wall of the trench excavation.

The soil borings (SB nomenclature) will be advanced to a depth of 12 feet below ground surface (bgs). Soil samples will be collected from the vadose zone of each boring at 2 foot intervals and submitted to an Ohio Voluntary Action Program (VAP)-certified laboratory for PCB analysis by U.S. EPA SW 846 Method 8082. Additional analyses may also be performed in support of the voluntary action.

Surface soil will be collected from the surface soil sampling locations (SS nomenclature) by hand-auger or Geoprobe. The sampling methodology will be determined in the field based upon safety considerations. The sampling interval will be 0 to 2 feet bgs. In the event a hand-auger is the selected sampling methodology and a depth of 2 feet cannot be reasonably achieved, a sampling interval of 0 to 1 foot bgs will be used. Surface soil samples will be submitted to an Ohio VAP-certified laboratory for PCB analysis by U.S. EPA SW 846 Method 8082.

The soil sampling procedures are described below:

- Soil borings will be advanced using a Geoprobe with soil collected into macrocore or dual-tube samplers. Samples will be collected at 2-foot depth intervals from the vadose zone to a maximum depth of 12 feet bgs. In the event refusal is encountered before reaching the target depth, the boring will be offset slightly and re-drilled to retrieve soil from the missing intervals. The dual-tube or macrocore samplers will be opened on a clean surface (*i.e.* polyethylene sheeting), and the soil cores logged by a scientist noting items such as sample recovery, soil type, moisture content, consistency, color, staining, and any other notable observations.
- Surface soil collected by hand-auger or Geoprobe will also be logged for soil type, moisture content, consistency, color, staining, and any other notable observations.
- Soil collected from each sampling interval will be homogenized. The homogenizing procedure is designed to increase the probability that a relatively small sample aliquot is representative of a relatively large soil volume, thereby enhancing the representativeness and reproducibility of the sample. Soil will be transferred from the sampler to a bowl or pan. A trowel will be used to mix the media and break up large clumps into pieces approximately ½ inch or less in diameter. The homogenizing process will be considered complete when the texture and color of the sample appear uniform throughout.
- An aliquot of the homogenized soil will be collected into clean, labeled, laboratory-prepared sample jars. Samples will be maintained at 4 degrees Celsius (°C) in a cooler with ice after sample collection
- All reusable Geoprobe and sample collection equipment such as bowls, hand augers, trowels, and any other non-disposable sampling supplies will be decontaminated before sampling begins, between sampling locations, and at the completion of sampling using an Alconox wash and potable water rinse.
- Decontamination water will be transferred to a DOT-approved drum for future characterization and disposal. Excess soil and used samplers will be placed into DOT-approved drums for future disposal. Personal protective equipment such as gloves will be disposed of in a sanitary waste dumpster as general refuse.

## QUALITY CONTROL SAMPLES

Field duplicates, rinsates, and matrix spike samples will be analyzed to assess the quality of the data resulting from the field sampling program. Duplicate samples are analyzed to check for sampling and analytical reproducibility. Matrix spikes provide information about the effect of the sample matrix on the digestion and measurement methodology. All matrix spikes are performed in duplicate and are known as MS/MSD samples. Rinsate samples are collected to assess the adequacy and effectiveness of decontamination procedures. Each field QC sample will be documented on a chain-of-custody form.

Field duplicates are defined as a duplicate sample collected from the investigative sample. Field duplicate samples will be collected on a 1:10 frequency and will use procedures identical to those used for the investigative samples. Sample containers and handling and shipment procedures that will be used are identical to those used for the investigative samples. Duplicates will be collected by alternatively filling two sets of sample jars from the same homogenized sample unit.

MS/MSDs are samples or sample volume designated for spiking by the laboratory running the analysis. MS/MSD samples will be collected on a 1:20 frequency. Rinsate samples will be collected by pouring deionized water onto or over decontaminated non-disposable sampling equipment then into a sampling jar. Rinsate samples will be collected on a 1:20 frequency. Temperature blanks will be included in each cooler being shipped to ensure that the temperature in the cooler meets the specified requirements.

## SAMPLE NUMBERING SYSTEM

All samples collected for analysis, including QC samples, will be given a unique sample number. The sample identifiers will reflect the project, identified area, sampling location, sampling interval and date of collection. The sample identifiers will be used for documentation purposes in field logs, as well as for presentation of the analytical data in reports. The project samples will be identified using the following format:

### Project Identifier

The first part of the project sample numbering system will be the two-character designation TT. TT corresponds to Tech Town.

### Identified Area

The second part of the project sample numbering system will be the three-character Identified Area designation T15. T15 corresponds to the Building 15-Trench.

**Sample Type**

This shall consist of two characters indentifying the sample type.

- SB refers to a soil boring.
- SS refers to a surface soil sampling location.

**Sequence Identifier**

This shall consist of three characters identifying the soil boring or surface sampling number beginning with 216.

**Depth Identifier**

This shall consist of a two-digit number. The number designation will represent depth in feet below ground surface of the bottom of the sample interval. For example, a sampling interval of 8-10 feet bgs will have a depth identified of 10. Exact depths for a specific sample may be also determined by consulting field log notes.

**Sample Date**

This shall consist of a six digit date (*i.e.*; 050211) for May 2, 2011.

**Quality Control Identifier**

This shall consist of the following:

- If the sample is a field duplicate sample, the above will be combined with DP.
- If the sample is a rinsate, the preceding soil sample identified will be combined with RS.
- If the sample is an MS or MSD, additional aliquots of the applicable sample will be supplied and notation will be provided on the chain-of-custody for the lab to also complete a MS/MSD.

Examples of the project sample numbering system are as follows:

- TT-T15-SB216-04-050211: Tech Town; Building 15 Trench Area; the soil boring north of the excavation; depth of 2-4 feet bgs; sample collected on May 2, 2011.
- TT-T15-SS219-02-050211DP: Tech Town; Building 15 Trench Area; the surface soil sampling location east of the excavation; depth of 0-2 feet bgs; duplicate sample collected on May 2, 2011.

## DATA QUALITY OBJECTIVES AND DECISION CRITERIA

Data quality objectives address requirements that include when, where, and how to collect samples, the number of samples, and the limits on tolerable error rates. These steps should periodically be revisited as new information about a problem is learned.

Soil samples collected from the investigation area will be analyzed for PCBs. PCBs are regulated by U.S. EPA under the Toxic Substances Control Act (TSCA). If sample results are significantly greater than the highest existing PCB data result for soil in the Building 15 Trench excavation, which was 488 milligrams per kilogram (mg/kg), then the City of Dayton and U.S. EPA will reconvene to discuss the next course of action, including additional step-out borings. Herein, the reference to *significantly greater* is defined as more than a 50% increase in the concentration of PCBs, which means if PCBs are detected in the samples at concentrations greater than 750 mg/kg, then U.S. EPA and the City of Dayton will reconvene to discuss next steps. If PCBs are detected in the samples at concentrations less than 750 mg/kg, then the Building 15 Trench excavation will be backfilled and capped.

## PROTECTION OF RECEPTORS

The Building 15 Trench excavation is surrounded by temporary fencing. Contractors currently working on the Site have been instructed to stay out of this fenced area. All Site contractors have been informed of the environmental site condition and are working under Site-Specific Health and Safety Plans. All activities pertinent to this plan (*i.e.* Geoprobe, soil sampling, backfilling) will be conducted under a Site-Specific Health and Safety Plan(s).

Assuming PCB sample results are less than decision criterion, backfill material will be placed in lifts and compacted using heavy equipment, thus minimizing direct contact potential. Heavy equipment that comes into contact with soil from the Building 15 Trench Area during backfilling will be decontaminated at the completion of work by swabbing with a performance-based organic decontamination fluid consistent with 40 CFR 761.79(c)(2).

The exposed ground surface of the Building 15 Trench Area is approximately 3 feet lower than the final proposed grade of the parking lot and driveway. Thus, the Building 15 Trench Area will ultimately be covered with several feet of fill and aggregate then paved. The sewer line that was proposed to transverse the Building 15 Trench Area has been rerouted so no utilities will be placed within the Building 15 Trench Area soil. The closest proposed utility is an electric line to power the parking lot lights. This line will be installed in a lighting conduit secured to the exposed face of building 24 slab at an elevation above the current ground surface elevation of the Building 15 Trench Area. This conduit will be embedded in the aggregate cover and paved over. Because no utilities will be placed within soil of the Building 15 Trench Area, there is no reasonably anticipated need for intrusive activities into the Building 15 Trench Area soil in the future.

Following excavation backfill activities, the area will be covered with fill and a minimum of 6-inches of aggregate and paved with 3 inches of asphalt, concrete, or combination thereof forming and connecting the driveway and southeast portion of the parking lot. The driveway and parking lot are integral to the developed Site. The fill and aggregate will provide a separation buffer and the pavement will form a permanent barrier that prevents direct contact with the Building 15 Trench Area soil. The pavement unit will be an engineering control to be maintained in perpetuity in accordance with an Operation and Maintenance Plan prepared as part of the voluntary action. All areas with PCB soil contamination greater than the Ohio VAP construction worker standard will be identified and included in a Risk Mitigation Plan (RMP). The RMP will identify areas subject to its implementation, describe methods to protect construction/excavation workers from unacceptable exposure to contaminants in environmental media, and identify activities needed to maintain the points of compliance (i.e. prevent subsurface soil from being incorporated into surface soil during excavation activities). The Operation and Maintenance Agreement and RMP will be referenced in and attached to the Covenant filed at the completion of the voluntary action.

**REQUEST FOR CONCURRENCE**

WESTON respectfully requests your concurrence with the Sampling and Analysis Plan. Please call me at (937) 531-4402 if you have any questions or need additional information.

Very truly yours,
WESTON SOLUTIONS, INC.

Laura Funk
Project Manager

Figure

# FIGURE

MH-37

MH 38

MH-9

MH-10

T15-SB-216

T15-SB-217

T15-SS-220

T15-SS-219

T15-SB-218

BLDG. 15

MH-12 (NO ACCESS)

MH-11

MH 15 (NOT A MH)

N

0 20'

SCALE

LEGEND

- SITE INFRASTRUCTURE
- FORMER BUILDING WALL
- SURFACE SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- PROCESS SEWER MANHOLE LOCATION
- STORM SEWER MANHOLE LOCATION
- BUILDING SLAB
- 15-TRENCH SOIL EXCAVATION

FIGURE 1

WESTON SOLUTIONS

711 E. Monument Ave.
Suite 201
Dayton, Ohio
45402

**SOIL INVESTIGATION – BUILDING 15 TRENCH AREA**
FORMER GM DELPHI HARRISON
Dayton, Ohio

# ATTACHMENT C
# U.S. EPA COMMUNICATION DATED 24 JUNE 2011

## Funk, Laura

**From:** Debus.Allen@epamail.epa.gov
**Sent:** Friday, June 24, 2011 9:41 AM
**To:** Lipson, Chris
**Cc:** Funk, Laura; Ramanauskas.Peter@epamail.epa.gov; cho.hak@epa.gov; Cisneros.Jose@epamail.epa.gov; Mangino.Mario@epamail.epa.gov
**Subject:** Tech Town - PCB soil hot spot in Bldg. 15 T- Trench area

Chris and Laura:

We received and reviewed the most recent soil data characterizing total PCBs in vicinity of the T-Trench 15 area at the Tech Town site. In reviewing your soil data and past submittals, USEPA has noted the
following:

Most of the soil contamination appears to lie at greater depths (~ 8' to 12') in areas sampled around the hot spot. While there is also more surficial contamination spread in two localized pockets through the 0'
to 6' horizon, Weston claims that this will be covered further under an additional 3' of what the Agency might consider a 'TSCA-equivalent
engineered barrier.' Weston has also stated that, ultimately, the
relative risks to total PCBs exposures at the site (inclusive of the Bldg. G hot spot area) would be 'controlled,' administratively evaluated through forthcoming documents - to be prepared under Ohio VAP authorization.

ur understanding of your proposal is that Weston proposes to pave over a predetermined area associated with the new Building G, designed to function as a designated handicap parking lot. This surface will be built up and constructed in accordance with "Protection of Receptors"
presented on pp. 5 to 6 of Weston's April 27, 2011 Sampling and Analysis Plan. You have also asked for "approval" of this measure, under TSCA.

Presently, considering the data and the actions that Weston has proposed on behalf of the City, the Region cannot make a determination that the remaining PCB concentrations do not pose an unreasonable risk to health or the environment and cannot provide a final 761.61(c) Risk-Based Disposal 'approval' for the installation of a permanent cover or disposal of residual PCB contamination at the Building G parking lot area.

Please recall that USEPA's approval of Weston's August 25, 2010 T-Trench work plan prescribed appropriate remedial actions for the T-Trench Bldg.
15 area where total PCBs concentrations exceeded 25 ppm. Recently, on basis of a rather limited data set, Weston has identified contamination levels exceeding 22 times the 25 ppm concentration. It is not acceptable under TSCA to simply cover up this material as a final measure without valid, technical reasons. Instead, USEPA believes that hot spot soil identified spatially between SB-232 to slightly beyond/(east of) SB-234 should be removed and properly disposed. If Weston would amend its approved August 25, 2010 work plan, USEPA would be willing to amend the original Sept 9, 2010 761.61(c) approval, accordingly, to allow Weston to remove and dispose of materials above 100 ppm within the top 10 feet of surface elevation in accordance with
disposal requirements in the original approval. We view this
lternative as the City's most viable avenue, most capable of accelerated implementation.

Furthermore, the extent of any PCB soil concentrations remaining at depths greater than 10 feet would need to be properly characterized and documented, forming a basis for institutional controls, prior to submittal of a risk-based disposal application under 761.61(c) as outlined further below. Perhaps (conceivably under a detailed modification to the August 25, 2010 work plan) a series of soil borings extending vertically beyond 10 feet throughout the hot spot zone would allow Weston to capture the needed information. A request for disposal of all remaining residual PCB contamination would also require submittal of additional information to amend the original workplan submitted by Weston.

USEPA is also concerned about future soil to groundwater leaching potential, with respect to total PCB contamination within the hot spot zone. As you stated, previous (recent) groundwater data evidently demonstrates there is relatively low total PCB contamination in groundwater (ref. Dayton Tech Town Risk-Based Approach, 10/21/10, pp. 2 - 3). Here, you cited 5 monitoring wells. Yet we remain uncertain if they adequately characterize the region surrounding the soil hot spot.
While the proposed permanent barrier might also (locally) reduce infiltration to the PCB hot spot area, (especially because the 8' to 12' zone is near the water table) regional groundwater flow patterns might still result in adverse leaching impacts. Accordingly, the City must be prepared to appropriately monitor groundwater within and surrounding the soil hot spot, or describe how groundwater monitoring or corrective action requirements envisioned for the larger (whole) site property may serve to monitor the potential migration of residual PCB from the Building G location.

To date, Weston has not presented risk – based documentation in an application format explaining why it is the case that hot spot PCB-contaminated soil could (and should) not be removed. If valid technical or logistical reasons do obviate removal, then the City and/or Weston should make these reasons known to the Agency. Weston must definitively present its case in a risk-based written request for approval, under 40 CFR 761.61(c). We find the already submitted material to be quite scattered, improperly documented through a number of received documents, with certain documents perhaps superseding others - making it a rather difficult if not confusing case to situate, concisely. Under the risk-based PCB disposal option, ultimately, what the Agency should receive from Weston is the following, which conceivably could lend itself to final approval under 761.61(c) for this specific Building G area.

At a minimum, your 761.61(c) Risk-Based Disposal Application should consist of the following:

1.) Weston should explain why current surficial contamination (i.e. at T15-SB-219, 118 ppm at 0' to 2' depth) cannot or should not be removed. The intent of the TSCA regulations is to remove these "illegally disposed" contaminants from the environment. This pocket of contamination would be relatively easy to excavate and thereafter confirm reasonable cleanup with respect to risks. According to terms of the USEPA-approved August 25, 2010 Dayton Tech Town Work Plan (pp.5, 11), our understanding was that "If soil sample results are greater than 25 ppm PCBs and contamination is limited in extent, the City will dispose of the soil offsite as remediation waste …." So why can't this be done for noted shallow contamination - as well as deeper contaminated soil, as follows, below?

2.) Weston should also explain why deeper (8' to 12') soil total PCB contamination, which USEPA perceives as having concentrations even exceeding the Ohio-VAP standards, cannot be feasibly removed, why leaving residual contamination at those levels would not present unreasonable risk to groundwater from leaching either now or in the future, and/or what monitoring would be performed to document that soil leaching/PCB migration isn't occurring?

USEPA would need to be informed which wells should be regarded as the optimal 'compliance wells' with respect to possible total PCB groundwater migration from the soil hot spot area and/or describe any groundwater monitoring or corrective action requirements for the larger site which may serve to monitor the potential migration of residual PCB from the Building G location.

3.) From a human health risk-based exposures perspective, Weston should explain how a TSCA-equivalent engineered barrier would prevent or reduce site workers' dermal contact, ingestion and inhalation to total PCBs remaining in soil at any depth horizon, "in perpetuity."

In light of the requirement to do additional work at depth in that T-Trench area, should the City need to move forward with ceremonies or other construction activities, we would advise Weston to place a temporary cover over any exposed PCB contaminated soils (e.g. with [x-inches] of gravel or placement of thick sheet metal over the excavation pit) to act as an interim barrier while remaining TSCA questions are addressed.

Until Weston has provided sufficient evidence or concisely presented documentation of all the above, R5 will not offer a final approval for your T-Trench proposal, either under self-implementing or risk-based approval options.

Allen Debus

(312) 886-6186

# ATTACHMENT D
# REMEDIAL SUMMARY REPORT FOR AOIS 36, 44, 47, AND 48

# REMEDIAL SUMMARY REPORT
# FOR
# AREAS OF INTEREST 36, 44, 47, AND 48

Prepared for:

**CITY OF DAYTON**
Office of Economic Development
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Prepared by:

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October 2011

Work Order No: 12473.005.007.0600

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# LIST OF ACRONYMS

| | |
|---|---|
| µg/L | Microgram per liter |
| AOI | Area of interest |
| BUSTR | Bureau of Underground Storage Tank Regulations |
| CFR | Code of Federal Regulations |
| City | City of Dayton |
| COC | Chemicals of concern |
| Frac | Fractionation |
| ft | Feet |
| GAC | Granular activated carbon |
| GM | General Motors |
| GPS | Global positioning system |
| HDPE | High-density polyethylene |
| in. | Inches |
| mg/kg | Milligram per kilogram |
| mg/L | Milligrams per liter |
| NFA | No Further Action |
| OAC | Ohio Administrative Code |
| PCB | Polychlorinated biphenyl |
| RECON | Remedial Construction Services, L.P. |
| SAP | Sampling and Analysis Plan |
| SVOC | Semi-volatile organic compound |
| TAL | Total Analyte List |
| TCLP | Toxicity characteristic leaching procedure |
| TPH | Total petroleum hydrocarbon |
| TSCA | Toxic Substances Control Act |
| U.S. EPA | United States Environmental Protection Agency |
| USI | United Wastewater Treatment |

| | |
|---|---|
| UST | Underground storage tank |
| VAP | Voluntary Action Program |
| VOC | Volatile organic compound |
| WESTON | Weston Solutions, Inc. |
| XRF | X-ray fluorescence |

# 1. INTRODUCTION

Weston Solutions, Inc. (WESTON®) on behalf of the City of Dayton (City) coordinated with the United States Environmental Protection Agency (U.S. EPA) for approval of remedial measures for polychlorinated biphenyl (PCB) contaminated material on the former General Motors (GM) Delphi Harrison Radiator Thermal Systems Plant located at 300 Taylor Street, Dayton, Ohio (Site). On 25 August 2010, WESTON submitted a Work Plan **(Appendix A)** and request for approval under Title 40 of the Code of Federal Regulations (CFR), Part 761.61(c) for the risk-based management of PCB-contaminated material from four Areas of Interest (AOIs) on the Site: AOI 36 (Building 15 T-Trench), AOI 47 (Building 12B T-Trench), AOI 48 (Underground Storage Tank [UST] No. 3), and AOI 44 (Building 12B Lead Contamination) (**Figure 1**). The Work Plan was approved by the U.S. EPA with certain conditions as outlined in a letter dated 9 September 2010 (**Appendix A**).

This report serves to summarize the PCB remedial activities and follow-up actions conducted for the referenced AOIs. The remedial activities were conducted from October 2010 through January 2011. Verification results demonstrated that AOIs 44, 47, and 48 met cleanup criteria. PCBs were present in AOI 36 soil above cleanup criteria. Additional delineation sampling was conducted in AOI 36 in May and June 2011. Interim remedial measures were conducted in AOI 36 in July and August 2011.

# 2. REMEDIAL ACTIVITIES

Remedial activities completed for each AOI are described below. A total of 140 tons of PCB-contaminated concrete slab was manifested, transported, and disposed in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii) at Waste Management's Stony Hollow Subtitle D Contained Landfill in Dayton, Ohio (Stony Hollow). A total of 296 tons of PCB-contaminated concrete, steel, soil, and sludge were manifested, transported, and disposed in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii) at Wayne Disposal, Inc. Site 2 Toxic Substances Control Act (TSCA)-permitted landfill in Belleville, Michigan (Wayne Disposal).

## 2.1 AOI 36 – BUILDING 15 T-TRENCH

The following subsections describe AOI 36 and the remedial activities conducted. Initial characterization data is provided in the Work Plan (**Appendix A**). **Appendix B** includes photographic documentation of the remedial activities. **Appendix C** includes waste profiles and manifests. **Appendix D** contains analytical laboratory reports for samples collected during the remedial activities and during follow-up delineation activities.

### 2.1.1 Description

AOI 36 consists of a steel-lined concrete trench and surrounding soil located in the area of former Building 15 (**Figure 1**). The City identified the trench on 26 April 2006 during Stage 2 demolition activities at the Site, which involved removing concrete slab overlying the northern portion of the trench in an area that was proposed for use as a utility corridor. The trench was observed to contain pea gravel and water. Sludge material was observed at the bottom of the trench.

The northern portion of the trench, which was exposed during demolition, was approximately 20 feet (ft) long, 7 ft deep, and 6 to 9 ft wide. The southern portion of the trench, located beneath the concrete slab of former Building 15, was estimated to be approximately 40 ft long, 7.5 to 9.5 ft deep, and 3 to 10 ft wide with several trench "fingers" estimated to extend 55 ft to the east of the main trench with depths of approximately 1.5 ft. GM collected concrete and soil

samples from the trench and trench fingers. The results of this characterization sampling are included in the Work Plan (**Appendix A**).

### 2.1.2 Remedial Actions

On 15 November 2010, WESTON subcontractor Remedial Construction Services, L.P. (RECON) began remediation of AOI 36 by removing pea gravel from the northern exposed portion of the trench. Excavation continued until encountering water-saturated pea gravel. The trench was dewatered using a submersible pump, and the evacuated water was processed and disposed as described in **Subsection 2.6**. Sludge with a firm tar-like consistency was encountered at the base of the trench. The dewatered trench contents were loaded directly into trucks and transported offsite to Wayne Disposal for disposal.

The Work Plan indicated the following,

> *"excavation will continue until no more sludge is encountered. Based on Geoprobe borings completed by GM in August 2008, the sludge is not anticipated to extend more than a few feet into the southern portion of the trench."*

Upon completing the removal of the trench contents in the northern exposed portion of the trench, WESTON observed that sludge continued into the southern portion of the trench along the bottom of the trench. To confirm concentrations of PCBs in the sludge material, a sample of the sludge was collected on 18 November 2010 and analyzed for PCBs. The sludge contained PCBs at a concentration of 951 milligram per kilogram (mg/kg). This concentration was within the range of PCB concentrations identified for the sludge in the northern portion of the trench.

RECON removed a 10 ft long segment of the Building 15 concrete slab that was overlying the southern portion of the trench. Pea gravel and sludge were removed from the exposed section of trench and loaded directly into trucks for offsite disposal. Observations of sludge continued into the southern reaches of the trench, and RECON repeated the process of removing segments of the overlying concrete slab and the trench contents until the southern end of the trench was reached.

The sludge and pea gravel from the Building 15 T-Trench were manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal through 2 December 2011. Overlying concrete was shipped for disposal as PCB-contaminated material to Stony Hollow.

The trench measured 55 ft 5 inches (in.) long, 4 ft 9 in. wide, and 7 ft 4 in. deep. The trench flared out at the northern and southern ends and contained sumps extending to depths of 9 ft. Shallow (6 in.) half circle-shaped depressions were observed in a few locations immediately below the concrete slab along the eastern edge of the trench. A deeper square-shaped depression (approximately 2 ft) was observed beneath the slab on the western edge of the trench near the slab cut line. No other evidence of possible fingers to the trench was observed. Sludge like material was not observed in or on the exposed face of these features.

Following removal of the trench contents, the steel liner was examined and observed to be in good condition with no obvious breaches due to deterioration. The steel in the southern portion of the trench was cleaned of any visible residue by scraping, pressure washing, and wiping. Decontamination water was directed to the sumps of the trench, removed, processed, and disposed (**Subsection 2.6**). On 3 December 2010, after the steel liner was visibly clean, confirmation wipe sampling for PCBs was conducted according to 40 CFR 761 Subpart P, *"Sampling 1 Meter Square Surfaces by Random Selection of Halves."* Samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) for PCB analysis using U.S. EPA SW-846 Method 8082. PCB concentrations up to 70.9 microgram (µg) per 100 square centimeters were reported in the samples.

The steel liner was cut at the slab edge to separate the north portion of the trench (requiring removal) from the southern portion of the trench. Upon making this cut, water and sludge residue were identified in the interstitial space between the steel liner and the concrete structure. A sample of this sludge was submitted to TestAmerica on 7 December 2010 for PCB analysis. Analytical results indicated the sludge contained total PCBs at a concentration of 750 mg/kg. To effectuate removing the sludge residue from the interstitial space, the steel liner was removed. The steel liner was observed to be two to three layers thick, averaging between 3/8 and 3/4 in. From 8 December 2010 through 5 January 2011, the steel liner was cut into manageable-sized units and reduced into sections no greater than 3 cubic feet. Sludge on the surface of the

concrete and steel liner was scraped and bagged. The sludge and waste steel were manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal.

Following removal of the steel, WESTON observed the condition of the concrete trenching. Significant deterioration or breaches in the concrete were not observed. On 6 January 2010, RECON pressure washed the concrete walls and floor of the trench with heated water. Decontamination water from this process was directed to the sump in the northern portion of the concrete trench. Decontamination water from pressure washing and any precipitation which had accumulated in the Building 15 T-Trench were pumped from the trench, processed, and disposed (**Subsection 2.6**).

On January 10, 2011, WESTON sampled the concrete walls and floor of the southern portion of the Building 15 T-Trench in accordance with the methods identified in the Work Plan and per 40 CFR 761 Subpart O, *"Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance With §761.61(a)(6)."* Samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082. Laboratory analytical results indicated the concrete contained total PCBs at concentrations less than 1 mg/kg (**Table 1**), which is less than the cleanup criteria of 25 mg/kg. The concrete trenching was left in place, and no further action was conducted in the southern portion of the trench.

On 10 January 2011, the northern portion of the concrete trench was demolished and removed. A ram attachment on a backhoe was used to separate the northern portion walls and floor from the southern portion walls and floor. The ram was also used to fracture the concrete in manageable pieces. An excavator was used to remove the concrete walls and floor of the northern portion of the Building 15 T-Trench and load it into haul trucks for disposal. All removed concrete trenching was manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal.

Soil located around the sump of the northern trench was observed to be visibly stained. Two grab samples of the soil were collected on 13 January 2011 and analyzed for PCBs. PCB concentrations in the soil were 170 mg/kg and 457 mg/kg. On 13 January 2011 and 14 January

2011 approximately 40 tons of soil was removed from around the sump in the northern portion of the trench and transported to Wayne Disposal. Following this removal action, WESTON collected three composite soil samples per 40 CFR Subpart O, *"Sampling to Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance With §761.61(a)(6)."* Sample T15N-01 was a composite of 3 aliquots along the west wall of the excavation. Sample T15N-02 was a composite of 9 aliquots at the base of the excavation. Sample T15N-03 was a composite of 3 aliquots along the east wall of the excavation (**Figure 2**). Samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082. Analytical results indicated the soil in the excavation contained concentrations of total PCBs between 59.7 and 488 mg/kg (**Table 2**). Based upon this finding and continued observation of visibly stained soil, it was decided that remediation should be terminated pending further characterization of the extent of contamination. The maximum depth of the soil excavation was 11.5 ft below ground surface. The soil excavation was approximately 19 ft at its maximum surface width (east-west) and extended approximately 21 ft to the north of the Building 15 slab edge.

Per the approved Work Plan, *"If PCB contamination in soil is extensive, the City will contact U.S. EPA to discuss next steps."* On 23 February 2011, WESTON notified U.S. EPA that remediation of AOI 36 was terminated prior to achieving cleanup criteria because contamination in soil was more extensive then could be readily remedied. WESTON, the City, and U.S. EPA convened on 20 April 2011 by conference call to discuss PCB issues at the Site, including AOI 36. WESTON submitted a Sampling and Analysis Plan (SAP) for delineation of PCBs in soil around AOI 36 as requested by U.S. EPA (**Appendix E**). On 28 April 2011, U.S. EPA provided concurrence with the sampling approach as described in the SAP (**Appendix E**). Implementation of the SAP is documented in **Section 3**.

## 2.2 AOI 44 – BUILDING 12B LEAD CONTAMINATION

The following sections describe AOI 44 and the remedial activities conducted. Initial characterization data is provided in the Work Plan (**Appendix A**). **Appendix B** includes photographic documentation of the remedial activities. **Appendix C** includes waste profiles and

manifests. **Appendix D** contains analytical laboratory reports for samples collected during the remedial activities.

### 2.2.1 Description

AOI 44 is located in the northwest portion of the former Building 12B. This AOI was identified in May 2006 during demolition activities. An oily substance was observed on the ground surface beneath the concrete slab of the former Building 12B. GM removed 160 tons of soil and concrete from AOI 44 and collected post-removal soil samples. The post-removal samples contained PCBs at concentrations up to 18 mg/kg and lead at concentrations up to 4,530 mg/kg (sampling location FP-2). Risk calculations based on the concentrations of PCBs, lead, and other detected metals suggested the area could contribute significantly to risk estimates for routine workers. Additional investigative soil borings were advanced in the area in April 2009 to determine the extent of metals and PCB contamination. The remediation area to be excavated was estimated at 10 ft by 10 ft and included removing soil represented by and in proximity to sampling location FP-2.

### 2.2.2 Remedial Actions

WESTON located the following sampling locations using a global positioning system (GPS) and previously collected positioning coordinates: FP-1, FP-2, FP-4, SB-213, SB-214, and SB-215. In an attempt to delineate the bounds of the lead contamination, WESTON used a x-ray fluorescence (XRF) device to analyze lead concentrations in 12 surface soil sampling locations in within a 20 ft radius of FP-2. The maximum lead concentration detected in surface soil using the XRF was 200 mg/kg. The limits of the initial excavation were therefore established based on previous sampling locations, with initial dimensions of 10 ft by 10 ft to encompass surface soil from FP-2.

On 1 November 2010, RECON mixed eleven 80-pound bags of Portland cement powder into the lead-contaminated soil *in-situ* with an excavator to a depth of approximately 2 to 3 ft. Portland cement was prescribed as an additive to stabilize the leachable properties of the lead in the soil. A composite sample of the soil was collected and analyzed for toxicity characteristic leaching procedure (TCLP) metals and PCBs. PCBs were detected at 0.479 mg/kg and TCLP barium at

0.276 milligrams per liter (mg/L). No other analytes were detected in the amended soil composite sample. On 10 November 2010, the amended soil was manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal.

On 10 November 2010, WESTON collected five soil confirmation samples from the four sidewalls and the bottom of the excavation. The sidewall samples were collected at a depth half way between the ground surface (as created by the previous excavation) and the bottom of the excavation. **Figure 3** depicts the sampling locations. The samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082 and Total Analyte List (TAL) metals analysis using U.S. EPA SW-846 Methods 6020A, 6010B, and 7471A. Laboratory analytical results indicated the soil in the west wall of the excavation contained a total PCB concentration of 28 mg/kg, exceeding the cleanup criteria of 25 mg/kg. In addition, laboratory analytical results for lead in the north and west walls of the excavation were 888 and 1,180 mg/kg, respectfully, exceeding the Ohio Voluntary Action Program (VAP) generic direct-contact construction and excavation land use standard for lead of 750 mg/kg found in Ohio Administrative Code (OAC) Rule 3745-300-08. As a result of the exceedances, per the 40 CFR 761.61(c) approved Work Plan, six more bags of Portland cement were applied to the area and both the north and west wall were excavated an additional 2 ft. An estimated additional 6 cubic yards of material were removed from the north and west walls where elevated results were detected. On 18 November 2010, the amended soil was loaded for disposal at Wayne Disposal.

Four additional confirmation samples were collected from areas in the new west and north walls and the expanded excavation bottom adjacent to the west and north walls (**Figure 3**). Samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082 and TAL metals analysis using U.S. EPA SW-846 Methods 6020A, 6010B, and 7471A. Laboratory analytical results indicated the soil contained total PCBs at a maximum concentration of 3.28 mg/kg, which is less than the cleanup criteria of 25 mg/kg. Laboratory analytical results also indicated a maximum lead concentration of 380 mg/kg, which is less than the Ohio VAP generic direct-contact construction and excavation land use standard for lead of 750 mg/kg. **Table 3** presents the soil sampling results representative of the excavation at the completion of the remedial action. The sampling results indicated no further removal was required at AOI 44. A

GPS unit was used to record the outline of the excavation for future reference. An excavator was used to slope and soften the side walls of the excavation to mitigate potential hazards.

## 2.3 AOI 47 – BUILDING 12B T-TRENCH

The following sections describe AOI 47 and the remedial activities conducted. Initial characterization data is provided in the Work Plan (**Appendix A**). **Appendix B** includes photographic documentation of the remedial activities. **Appendix C** includes waste profiles and manifests. **Appendix D** contains analytical laboratory reports for samples collected during the remedial activities.

### 2.3.1 Description

AOI 47 consists of a steel-lined concrete trench and surrounding soil. AOI 47 was identified during Stage 2 demolition activities on June 1, 2006 in the area of former Building 12B. The northern portion of the trench, which extended into and beyond the City's proposed utility corridor, was approximately 84 ft long, 4 ft deep, and 3 ft wide. The southern portion of the trench was located beneath the concrete slab of former Building 12B. This portion of the trench was estimated to extend approximately 30 ft to the south and be 2 to 4 ft wide. Based on sampling conducted on 10 October 2008, the trench was estimated to be more than 2.5 ft deep. Gravel in the bottom portion of the trench had become consolidated and interfered with identification of the bottom concrete depth during the investigation.

Between July and August 2006, GM removed gravel, the steel trench lining, and the concrete structure forming the northern portion of the trench. Between 27 September 2006 and 28 September 2006, GM disposed of the excavated materials off site as TSCA non-hazardous waste. GM collected two post-excavation soil samples from beneath each end of the former northern portion of the trench. The post-excavation samples contained PCBs at concentrations up to 10 mg/kg. No further remedial activities were required for the northern portion of the trench. Remedial activities for the southern portion of the trench were completed per the approved Work Plan as described below.

### 2.3.2 Remedial Actions

On 17 November 2011, RECON began saw-cutting the concrete slab overlying the Building 12B T-Trench to expose the entire trench footprint south of the area previously remediated by GM. The overlying concrete slab was removed, manifested, and shipped for disposal as PCB-contaminated material to Stony Hollow.

On 18 November 2010, RECON removed gravel and soil material from the trench with a backhoe and hand shovels until only the steel trench liner remained. All gravel and soil material was manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal. The measured dimensions of the southern portion of the trench were 34 ft long with a width of 2 ft 8 in. throughout most of the trench and flaring to 5 ft 5 in. at the southern limit. The trench was 22 in. deep.

WESTON observed that the steel liner was in fair condition, with some scattered small holes due to corrosion. RECON removed the steel liner and used abrasive-wheeled cut-off saws to reduce the steel liner into the required size for disposal. The liner metal was manifested and shipped on 29 November 2010 for disposal as PCB-contaminated material to Wayne Disposal.

The underlying concrete trench was inspected. WESTON observed that the east and west concrete walls of the Building 12B T-Trench were damaged. The concrete was fractured in places, and some fragments of the concrete walls had broken away and fallen into the floor of the trench, exposing soil behind the concrete. This damage to the concrete was attributed to the steel removal activities. Tabbed anchors associated with the steel liner were embedded in the concrete structure. When the steel liner was separated from the concrete, the force on the tabs caused the concrete to fracture. WESTON observed no significant staining behind the steel liner or on the concrete. Power washing of the concrete was not attempted due to the presence of voids in the concrete structure and associated exposed soil. The concrete fragments that had broken away from the trench were sampled and analyzed for PCBs. The concentration of PCBs in the concrete rubble was 0.113 mg/kg. The concrete rubble was manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal.

On 2 December 2010, WESTON collected seven concrete samples in the Building 12B T-Trench per 40 CFR 761 Subpart O, *"Sampling To Verify Completion of Self-Implementing Cleanup and On-Site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance With §761.61(a)(6)"* (see **Figure 4**). A concrete sample was also collected at former sampling location T-027 per the Work Plan. Samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082. Laboratory analytical results indicated the concrete contained total PCBs at a maximum concentration of 10 mg/kg (**Table 4**), which is less than the cleanup criteria of 25 mg/kg.

WESTON also collected four soil samples in locations where the vertical concrete walls of the trench had fractured and exposed underlying soil (**Figure 4**). Samples were submitted to TestAmerica for PCB analysis using U.S. EPA SW-846 Method 8082. Laboratory analytical results indicated the soil contained total PCBs at a maximum concentration of 0.128 mg/kg, which is less than the cleanup criteria of 25 mg/kg (**Table 5**). A soil sample was also collected at former sampling location T-027 per the Work Plan. PCBs were detected in that soil sample at 0.198 mg/kg. The outline of the trench was recorded using a GPS device. The sampling results indicated no further removal was required at AOI 47.

## 2.4 AOI 48 – UST NO. 3

The following sections describe AOI 48 and the remedial activities conducted. Initial characterization data is provided in the Work Plan (**Appendix A**). **Appendix B** includes photographic documentation of the remedial activities. **Appendix C** includes waste profiles and manifests. **Appendix D** contains analytical laboratory reports for samples collected during the remedial activities and during follow up delineation activities.

### 2.4.1 Description

Conestoga Rovers & Associates discovered UST No. 3 (a previously unknown UST) on 29 August 2006. UST No. 3 was identified as an upright steel tank approximately 6 ft in diameter containing water. The historical contents of UST No. 3 are unknown. UST No. 3 was situated partially under a concrete slab (Building 12B) and partially surrounded by a subgrade vertical

concrete block wall. WESTON collected one liquid sample from the UST on 29 August 2006 and analyzed the sample for PCBs, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total petroleum hydrocarbon (TPH) fingerprint. PCBs were detected at 0.0602 mg/L, vinyl chloride was detected at 0.898 mg/L, xylenes were detected at 4.650 mg/L, and 2,4-dimethylphenol was detected at 0.336 mg/L. The TPH fingerprint identified peaks in the kerosene and motor oil ranges, and also a high component of lighter compounds.

### 2.4.2 Remedial Actions

On 3 November 2010, RECON cut the upper end of the UST away from of its body and exposed two 1-in. diameter pipes inside. One of the pipes ran to the apex of the conical bottom of the tank. Through the cut opening, RECON pumped water and tank residuals from the UST to a polyethylene settling tank. A photoionization detector indicated low levels of VOCs approximately 50 parts per million, volatizing from the liquid. Water from the UST was pumped to a settling tank, through a 55-gallon sand filter, two 55-gallon granular activated carbon (GAC) units, and finally accumulated in a fractionation (frac) tank for subsequent disposal. Approximately 1,700 gallons were pumped from UST No. 3. Decontaminated wastewater was later pumped from the frac tank into a tank truck, transported, and disposed of by AAA Wastewater Services, Inc. in Franklin, Ohio.

Approximately 1 cubic foot of soil/sludge was removed from the tank and analyzed for PCBs, TCLP metals, TCLP VOCs, and TCLP SVOCs. The PCB concentration in the soil/sludge was 5.57 mg/kg. TCLP barium at 0.288 mg/L was the only other analyte detected in the sample.

The UST was vertically implanted and was 6 ft long with an additional 3 ft in length forming a conical bottom. The UST was in fair condition with only a ¼-in. hole observed just above the apex in the bottom of the tank. On 4 November 2010, the UST was removed, placed on two layers of polyethylene and cleaned. Pre-excavation soil samples were collected from the walls and floor of the cavity and analyzed for PCBs to represent concentrations anticipated in the soil stockpile to be generated. The maximum PCB concentration detected in the soil samples was 28.2 mg/kg. An estimated 24 cubic yards of soil (and backfill) was excavated from the cavity during the tank removal, stockpiled on and covered with polyethylene sheeting. The soil

stockpile was sampled for TCLP metals, TCLP VOCs, and TCLP SVOCs analysis. TCLP barium at 1.16 mg/L was the only analyte detected in the stockpile sample.

The UST was cut up and compacted using an excavator into pieces no greater than 3 ft by 3 ft, the total weight of which was estimated to be 1,500 pounds. The metal UST pieces were later manifested and shipped for disposal as PCB-contaminated material to Wayne Disposal on December 2, 2010.

On 4 November 2010, WESTON collected five soil confirmation samples from the four sides and bottom of the excavation in accordance with OAC 1301:7-9-12 (**Figure 5**). Soil samples were submitted to TestAmerica and analyzed for VOCs, SVOCs, and TPH in accordance with OAC 1301:7-9-10 and PCBs. Concentrations of VOCs, SVOCs, and TPH were less than OAC 1301:7-9-12 standards and PCB concentrations were less than the cleanup criteria of 25 mg/kg (**Table 6**).

WESTON also collected a concrete sample of a partial block column that was situated adjacent to the UST. The sample was analyzed for PCBs, and PCBs were detected at 32.4 mg/kg. The block column was removed in its entirety. This removal revealed two additional concrete structures, on the bottom of the excavation and on the west wall of the excavation. A concrete sample was collected from each of these subsurface foundation structures and analyzed for PCBs. The maximum PCB concentration in the concrete was 4.58 mg/kg (**Table 7**).

The soil, block, and sludge waste materials were manifested and shipped for disposal as PCB-contaminated waste to Wayne Disposal.

An UST Closure Report for Permit P00006, dated 27 January 2011, was submitted to Mr. Scott Sigler, Montgomery County Coordinator, Bureau of Underground Storage Tank Regulations (BUSTR)-Division of State Fire Marshall, Reynoldsburg, Ohio. BUSTR provided the City a no further action (NFA) letter for the tank closure dated 1 February 1, 2011.

## 2.5 SLAB REMOVAL

To facilitate construction activities, a portion of the concrete slab (remnants of Building 12B and Building 15) that remained post-demolition was removed. RECON cut the concrete slab at a distance of 5 to 10 ft south of the previous cut line, and removed concrete from this area. In accordance with the Work Plan, the concrete was disposed per 40 CFR 761.61(a)(5)(i)(B)(2)(ii). The concrete was placed in roll-off containers and transported to Stony Hollow for disposal. Two layers of concrete slab separated by an asbestos-containing material were observed on the east side of the Building 15 slab remnant during this process. The concrete slab and the asbestos-containing material were removed by a licensed abatement contractor and disposed at Rumpke Subtitle D Contained Landfill in Cincinnati, Ohio.

## 2.6 WATER PROCESSING

Water that was present in the AOI structures and decontamination water was processed onsite through a filtration treatment system consisting of the following in sequence:

- Polyethylene tank used to settle out solids;
- 55-gallon sand filter;
- Two 55-gallon GAC units; and
- Frac tank used to store the effluent.

Due to freezing conditions and additional costs associated with maintaining the frac tank water in a liquid state, the frac tank and contents were removed in advance of completing the remedial activities. On 10 December 2011, RECON collected a sample of the effluent water from the frac tank and submitted it to TestAmerica to be analyzed for PCBs, VOCs, SVOCs, TPH, metals, and limited general chemistry parameters (biological oxygen demand, cyanide, sulfide). Barium (0.115 mg/L) was the only analyte detected in the sample. Therefore, the water met the decontamination standard of 40 CFR 761.79 (b)(1)(ii), and was disposed of as non-hazardous wastewater. The contents of the frac tank were transported and disposed by AAA Wastewater Services, Inc. The frac tank was removed by the supplier. Approximately 7,200 gallons of effluent water was present in and removed from the frac tank.

Following removal of the frac tank, the on-Site wastewater filtration treatment system continued to be used to decontaminate water, and the effluent was contained in 55-gallon drums. At the completion of the remedial action, the system was gravity drained of water, dismantled, manifested, and shipped for disposal as PCB-contaminated waste to Wayne Disposal.

A total of 7 drums of effluent water were generated after the frac tank was removed. A composite sample of the water was collected on 10 January 2011 and submitted for analysis. The PCB concentration in the water was 1.26 micrograms per liter (µg/L). Lead (0.00536 mg/l), barium (0.0471 mg/l), benzo(a)anthracene (0.367 ug/l), 2-methylnaphthalene (1.7 ug/l), naphthalene (3.1 ug/l), and pyrene (0.933 ug/l) were also detected in the water sample. The water met the decontamination standard of 40 CFR 761.79 (b)(1)(ii) and was disposed of as non-hazardous wastewater. The drums were transported and treated at United Wastewater Treatment (USI) located in Cincinnati, Ohio.

# 3. DELINEATION AND INTERIM REMEDIAL MEASURES

As described in **Subsection 2.2**, soil samples collected at the termination of remedial activities in AOI 36 did not meet cleanup goals. A SAP for delineation of PCB contamination in soil was submitted to U.S. EPA, and U.S. EPA accepted the approach (**Appendix E**).

WESTON mobilized a Geoprobe® and conducted soil sampling in AOI 36 per the SAP. The sampling locations and PCB results are summarized on **Figure 6** and in **Table 8**. The maximum PCB concentration identified in the May 2011 soil sampling was 474 mg/kg (SB-217, 10 to 12 ft depth). The results of this delineation effort were provided to U.S. EPA on 25 May 2011.

Because the extent of PCB contamination in soil had not been defined, additional delineation was proposed. On 9 June 2011, soil samples were collected from borings located 30 ft and 45 ft to the east and west of the excavation edges. The maximum PCB concentration identified in these borings was 562 mg/kg (SB-234, 8 to 10 ft depth). The sampling locations and PCB results are summarized on **Figure 6** and in **Table 8**. The results of this delineation effort were provided to U.S. EPA on 15 June 2011.

One drum of decontamination water and three drums of solid material (sampling apparatus and soil) were generated during the delineation activities. The drum of liquid was transported to Veolia Environmental Services in Port Arthur Texas for treatment and disposal. The drums of solid materials were transported to Wayne Disposal, Inc. Site 2 Landfill for disposal.

Use of an engineered barrier for this area was proposed to U.S. EPA as an alternate remedial measure for AOI 36. On 24 June 2011, U.S. EPA responded that an Amendment to the Work Plan and request for approval under 40 CFR 761.61(c) is required to adjust the cleanup goals for this area. U.S. EPA outlined a number of interim measures that could be performed ranging from excavation to interim cover. In July and August 2011 ground surface elevations were collected from the area, the excavation was backfilled, and a 30-mil high-density polyethylene (HDPE) geomembrane was placed over the entire area. Backfill was added to bring the area to the desired grade and surface concrete was poured. The proposed use of the former northern Building 15 trench area as a utility corridor was abandoned. Utility lines that were to be installed in this area

were routed elsewhere. It is anticipated that an Amendment to the Work Plan will be submitted in the future.

# 4. CONCLUSIONS

From October 2010 through January 2011, remedial activities were conducted in AOIs 36, 44, 47, and 48 in general accordance with the U.S. EPA-approved Work Plan. A total of 140 tons of PCB-contaminated concrete slab was manifested, transported, and disposed at Stony Hollow. A total of 296 tons of PCB-contaminated concrete, steel, soil, and sludge were manifested, transported, and disposed at Wayne Disposal. Approximately 7,200 gallons of decontaminated water was collected in a frac tank and transported to AAA Wastewater Services, Inc. for disposal. Seven 55-gallon drums of water were transported to USI (United Wastewater Treatment) for disposal. Remedial activities were successful in removing media with PCB concentrations above cleanup criteria in AOIs 44, 47, and 48. PCB concentrations in soil in the AOI 36 north trench excavation exceed the cleanup criteria. Additional delineation was performed and identified PCBs at concentrations exceeding 25 mg/kg within 30 ft east of the excavation and over 45 ft west of the excavation. Interim measures including backfill and placement of impervious material over the PCB-contaminated soil were completed in August 2011.

# TABLES

le 1

## AOI 36 - Building 15 T-Trench
## Confirmation Concrete Sampling Results

| Parameter | Criteria Level[1] | Sample Designation | | | | | |
|---|---|---|---|---|---|---|---|
| | | TT-CC-011011-001 | TT-CC-011011-002 | TT-CC-011011-003 | TT-CC-011011-004 | TT-CC-011011-005 | TT-CC-011011-006 |
| | | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 |
| **PCBs (mg/kg)[2]** | | | | | | | |
| Aroclor-1254 | 25 | 0.514 U | 0.509 U | 0.488 U | 0.525 U | 0.526 U | 0.522 U |

| Parameter | Criteria Level[1] | Sample Designation | | | | |
|---|---|---|---|---|---|---|
| | | TT-CC-011011-007 | TT-CC-011011-008 | TT-CC-011011-009 | TT-CC-011011-010 | TT-CC-011011-011 |
| | | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 | 1/10/2011 |
| **PCBs (mg/kg)[2]** | | | | | | |
| Aroclor-1254 | 25 | 0.503 U | **0.548** | 0.523 U | **0.52** | 0.507 U |

Notes:

**Bold indicates analyte was detected**

**Bold shaded results exceed criteria level**

[1]Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan

[2]Aroclor-1254 was the only positively detected PCB aroclor

mg/kg = Milligram per kilogram

PCB = Polychlorinated biphenyl

U = Analyte not detected

# Table 2
# AOI 36 - Building 15 T-Trench
# Soil Sampling Results

| Parameter | Criteria Level[1] | Sample Designation | | |
|---|---|---|---|---|
| | | TT-SO-011411-T15N-01 | TT-SO-011411-T15N-02 | TT-SO-011411-T15N-03 |
| | | 1/14/2011 | 1/14/2011 | 1/14/2011 |
| | | 9 ft bgs | 11.5 ft bgs | 9 ft bgs |
| **PCBs (mg/kg)[2]** | | | | |
| Aroclor-1254 | 25 | **59.7** | **204** | **488** |

Notes:

**Bold indicates analyte was detected**

**Bold shaded results exceed criteria level**

[1]Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan

[2]Aroclor-1254 was the only positively detected PCB aroclor

bgs = Below ground surface

ft = Feet

mg/kg = Milligram per kilogram

NA = Not available

PCB = Polychlorinated biphenyl

U = Analyte not detected

## le 3
## AOI 44 - Building 12B Lead Contamination
## Confirmation Soil Sampling Results

| Parameter | Criteria Level[1] | Sample Designation | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | TT-111010-HS-EW | TT-111010-HS-BOT | TT-111010-HS-SW | TT-111710-HS-NW | TT-111710-HS-WWNE | TT-111710-HS-Bottom | TT-111710-HS-WWSE-1 | TT-111710-HS-WWSE-2 |
| | | 11/10/2010 | 11/10/2010 | 11/10/2010 | 11/17/2010 | 11/17/2010 | 11/17/2010 | 11/17/2010 | 11/17/2010 |
| | | 0.5 ft bgs | 2 ft bgs | 2 ft bgs | 2 ft bgs | 3 ft bgs | 2 ft bgs | 3 ft bgs | 3 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | | | |
| Aroclor-1254 | 25 | **2.75** | **3.28** | **1.11** | 0.107 U | 0.109 U | **0.266** | 0.111 U | 0.108 U |
| **Metals (mg/kg)** | | | | | | | | | |
| Antimony | 390 | **0.969** | **14.7** | **2.81** | **0.283** | **0.274** | **1.94** | **0.457** | **0.579** |
| Arsenic | 420 | **9.64** | **12.2** | **6.6** | **6.6** | **5.75** | **36.6** | **4.64** | **6.66** |
| Barium | 120,000 | **99** | **121** | **87** | **97.8** | **126** | **94.5** | **84** | **130** |
| Beryllium | 3,100 | **0.698** | **1.11** | **0.44** | **0.393** | **0.401** | **2.25** | 0.415 U | 0.522 U |
| Cadmium | 1,600 | 0.67 U | 0.736 U | 0.506 U | 0.305 U | 0.311 U | 0.641 U | 0.519 U | **0.552** |
| Chromium | 13,000 | **15.1** | **12.9** | **10.3** | **8.68** | **8.64** | **6.44** | **5.99** | **8.09** |
| Cobalt | 4,000 | **8.21** | **5.76** | **5.38** | **4.55** | **5.14** | **5.29** | **3.27** | **4.03** |
| Copper | 32,000 | **46.8** | **130** | **36.8** | **20** | **17.4** | **42.8** | **25.2** | **34.2** |
| Iron | n/a | **19,800** | **18,800** | **15,900** | **11,900** | **11,600** | **9,280** | **11,000** | **12,400** |
| Lead | 750 | **50.7** | **380** | **121** | **159** | **57.2** | **132** | **152** | **311** |
| Manganese | n/a | **321** | **357** | **413** | **403** | **512** | **197** | **611** | **294** |
| Mercury | 190 | **0.16** | **0.279** | **0.309** | **0.13** | **0.199** | **0.193** | **0.425** | **0.307** |
| Nickel | 21,000 | **15.9** | **14.5** | **11.6** | **9.79** | **9.56** | **13.1** | 11.4 U | **8.45** |
| Selenium | 9,700 | 2.23 U | 2.1 U | 2.02 U | 2.03 U | 2.07 U | 2.67 U | 0.208 U | 2.09 U |
| Silver | 9,700 | **0.114** | **0.245** | **0.126** | 0.102 U | 0.104 U | **0.16** | 0.104 U | **0.105** |
| Thallium | 1,600 | 0.223 U | 0.21 U | 0.202 U | 0.203 U | 0.207 U | **1.28** | 0.208 U | 0.209 U |
| Vanadium | 17,000 | **29.8** | **29.1** | **19.5** | **16.2** | **14.8** | **24.4** | **15.4** | **16.5** |

Notes:

**Bold indicates analyte was detected**

**Bold shaded results exceed criteria level**

[1]PCB Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan Standards for metals based Ohio Voluntary Action Program generic direct-contact construction and excavation land use standards found in OAC Rule 3745-300-08.

[2]Aroclor-1254 was the only positively detected PCB aroclor

Soil represented by samples TT-111010-HS-WW and TT-111010-HS-NW was removed from the Site so these sample results are not shown above

bgs = Below ground surface

ft = Feet

mg/kg = Milligram per kilogram

NA = Not available

PCB = Polychlorinated biphenyl

U = Analyte not detected

**Table 4**
**AOI 47 - Building 12B Trench**
**Confirmation Concrete Sampling Results**

| | | Sample Designation | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Criteria Level[1]** | TT-120210-12B-CC-01 12/2/2010 | TT-120210-12B-CC-02 12/2/2010 | TT-120210-12B-CC-03 12/2/2010 | TT-120210-12B-CC-04 12/2/2010 | TT-120210-12B-CC-05 12/2/2010 | TT-120210-12B-CC-06 12/2/2010 | TT-120210-12B-CC-07 12/2/2010 | TT-120210-12B-CC-T27 12/2/2010 |
| **PCBs (mg/kg)[2]** | | | | | | | | | |
| Aroclor-1254 | 25 | 0.527 U | **0.726** | **10** | **0.91** | **9.16** | **2.8** | 0.468 U | **2.44** |

Notes:

**Bold indicates analyte was detected**

**Bold shaded results exceed criteria level**

[1]Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan

[2]Aroclor-1254 was the only positively detected PCB aroclor

mg/kg = Milligram per kilogram

PCB = Polychlorinated biphenyl

U = Analyte not detected

## ɔle 5
## AOI 47 - Building 12B Trench
## Confirmation Soil Sampling Results

| Parameter | Criteria Level[1] | Sample Designation | | | |
|---|---|---|---|---|---|
| | | TT-120210-12B-SO-1 | TT-120210-12B-SO-2 | TT-120210-12B-SO-3 | TT-120810-12B-SO-T27 |
| | | 12/2/2010 | 12/2/2010 | 12/2/2010 | 12/8/2010 |
| | | 1 ft bgs | 1 ft bgs | 1 ft bgs | 1 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | |
| Aroclor-1254 | 25 | **0.128** | 0.115 U | 0.113 U | **0.198** |

Notes:

**Bold indicates analyte was detected**

**Bold shaded results exceed criteria level**

[1]Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan

[2]Aroclor-1254 was the only positively detected PCB aroclor

bgs = Below ground surface

ft = Feet

mg/kg = Milligram per kilogram

NA = Not available

PCB = Polychlorinated biphenyl

U = Analyte not detected

# Table 6
## AOI 48 - UST No. 3
## Confirmation Soil Sampling Results

| Parameter | Criteria Level[1] | Sample Designation | | | | | |
|---|---|---|---|---|---|---|---|
| | | TT-111410-UST-EW-1 | TT-111410-UST-WW-1 | TT-111410-UST-SW-1 | TT-111410-UST-NW-1 | TT-111410-UST-NW-2 | TT-111410-UST-BOTTOM-1 |
| | | 11/14/2010 | 11/14/2010 | 11/14/2010 | 11/14/2010 | 11/14/2010 | 11/14/2010 |
| | | 6 ft bgs | 6 ft bgs | 6 ft bgs | 6 ft bgs | 6 ft bgs | 12 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | |
| Aroclor-1254 | 25 | **12.2** | **12.3** | **0.455** | **10.5** | **12.9** | **6.4** |
| **VOCs (mg/kg)** | | | | | | | |
| cis-1,2-Dichloroethene | N/A | 0.22 U | **0.54** | 0.183 U | 0.465 U | **0.529** | 0.211 U |
| Tetrachloroethene | N/A | **1.26** | **1.42** | **2.99** | **2.04** | **2.52** | **1.31** |
| Trichloroethene | N/A | 0.22 U | **1.88** | **0.212** | **1.98** | **3.12** | **0.497** |
| Xylenes, total | 15.7 | 0.22 U | 0.187 U | 0.183 U | 0.465 U | **0.225** | 0.211 U |
| **SVOCs (mg/kg)** | | ND | ND | ND | ND | ND | ND |
| **TPH (mg/kg)** | | | | | | | |
| DRO (C10-C20) | 2,000 | 33.1 U | **75.2** | 32.6 U | **160** | **102** | **368** |
| DRO (C20-C34) | 5,000 | **122** | **340** | **64.5** | **673** | **463** | **990** |

Notes:

**Bold indicates analyte was detected**

**Bold shaded results exceed criteria level**

[1]PCB Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan. Standards for VOCs and TPH based on criteria in OAC 1301:7-9-12

[2]Aroclor-1254 was the only positively detected PCB aroclor

bgs = Below ground surface

ft = Feet

mg/kg = Milligram per kilogram

NA = Not available

PCB = Polychlorinated biphenyl

TPH = Total petroleum hydrocarbons

U = Analyte not detected

VOCs = Volatile organic compounds

ND = No analytes detected in the analysis

# AOI 48 - UST No. 3
## Confirmation Concrete Sampling Results

| Parameter | Criteria Level[1] | Sample Designation | |
|---|---|---|---|
| | | TT-111010-UST-CB | TT-111010-UST-CWW |
| | | 11/10/2010 | 11/10/2010 |
| **PCBs (mg/kg)[2]** | | | |
| Aroclor-1254 | 25 | 0.447 U | **4.58** |

Notes:

**Bold indicates analyte was detected**

**Bold shaded results exceed criteria level**

[1]Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan

[2]Aroclor-1254 was the only positively detected PCB aroclor

Block represented by sample TT-11410-UST-SW-B&C was removed from the Site so this sample results is not shown in the table above

mg/kg = Milligram per kilogram

PCB = Polychlorinated biphenyl

U = Analyte not detected

# Table 8
## AOI 36 - Building 15 T-Trench
## Delineation Soil Sampling Results

| | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | SB216-02-051111 | SB216-02-051111D | SB216-04-051111 | SB216-06-051111 | SB216-08-051111 | SB216-10-051111 | SB216-12-051111 |
| | | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 |
| **Parameter** | **Criteria Level[1]** | 0-2 ft bgs | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | | |
| Aroclor-1254 | 25 | **0.456** | **1.80** | 0.121 U | **1.07** | **25.4** | **32.2** | **168** |

| | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | SB217-02-051111 | SB217-04-051111 | SB217-06-051111 | SB217-08-051111 | SB217-10-051111 | SB217-12-051111 | SS219-02-051111 |
| | | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 |
| **Parameter** | **Criteria Level[1]** | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs | 0-2 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | | |
| Aroclor-1254 | 25 | **0.208** | 0.129 U | **0.479** | **0.740** | **399** | **474** | **118** |

| | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | SB218-02-051111 | SB218-04-051111 | SB218-06-051111 | SB218-08-051111 | SB218-10-051111 | SB218-12-051111 | SS220-02-051111 |
| | | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 | 05/11/2011 |
| **Parameter** | **Criteria Level[1]** | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs | 0-2 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | | |
| Aroclor-1254 | 25 | **6.31** | **0.924** | **378** | **30.6** | **320** | **79.7** | **1.67** |

| | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | SB232-02-060911 | SB232-02-060911D | SB232-04-060911 | SB232-06-060911 | SB232-08-060911 | SB232-10-060911 | SB232-12-060911 |
| | | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| **Parameter** | **Criteria Level[1]** | 0-2 ft bgs | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | | |
| Aroclor-1254 | 25 | 0.516 U | **0.116** | 0.117 U | **0.267** | **0.484** | **31.3** | **240** |

| | | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | SB233-02-060911 | SB233-04-060911 | SB233-04-060911D | SB233-06-060911 | SB233-08-060911 | SB233-10-060911 | SB233-12-060911 |
| | | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| **Parameter** | **Criteria Level[1]** | 0-2 ft bgs | 2-4 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | | |
| Aroclor-1254 | 25 | **4.55** | **1.48** | **0.62** | **10.9** | **0.304** | **0.243** | **148** |

## .ble 8
## AOI 36 - Building 15 T-Trench
## Delineation Soil Sampling Results

| Parameter | Criteria Level[1] | Sample Designation | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | SB234-02-060911 | SB234-04-060911 | SB234-06-060911 | SB234-08-060911 | SB234-10-060911 | SB235-02-060911 | SB235-04-060911 |
| | | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| | | 0-2 ft bgs | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 0-2 ft bgs | 2-4 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | | | |
| Aroclor-1254 | 25 | **41.1** | **4.68** | **1.37** | 0.539 U | **562** | **9.42** | 0.119 U |

| Parameter | Criteria Level[1] | Sample Designation | | | | |
|---|---|---|---|---|---|---|
| | | SB235-04-060911D | SB235-06-060911 | SB235-08-060911 | SB235-10-060911 | SB235-12-060911 |
| | | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 | 6/9/2011 |
| | | 2-4 ft bgs | 4-6 ft bgs | 6-8 ft bgs | 8-10 ft bgs | 10-12 ft bgs |
| **PCBs (mg/kg)[2]** | | | | | | |
| Aroclor-1254 | 25 | 0.129 U | 0.114 U | **0.126** | **0.108** | **0.248** |

Notes:

**Bold indicates**

**Bold shaded results exceed criteria level**

[1]Cleanup criteria based on commercial/industrial land use per approved 40 CFR 761.61(c) Work Plan

[2]Aroclor-1254 was the only positively detected PCB aroclor

bgs = Below ground surface

ft = Feet

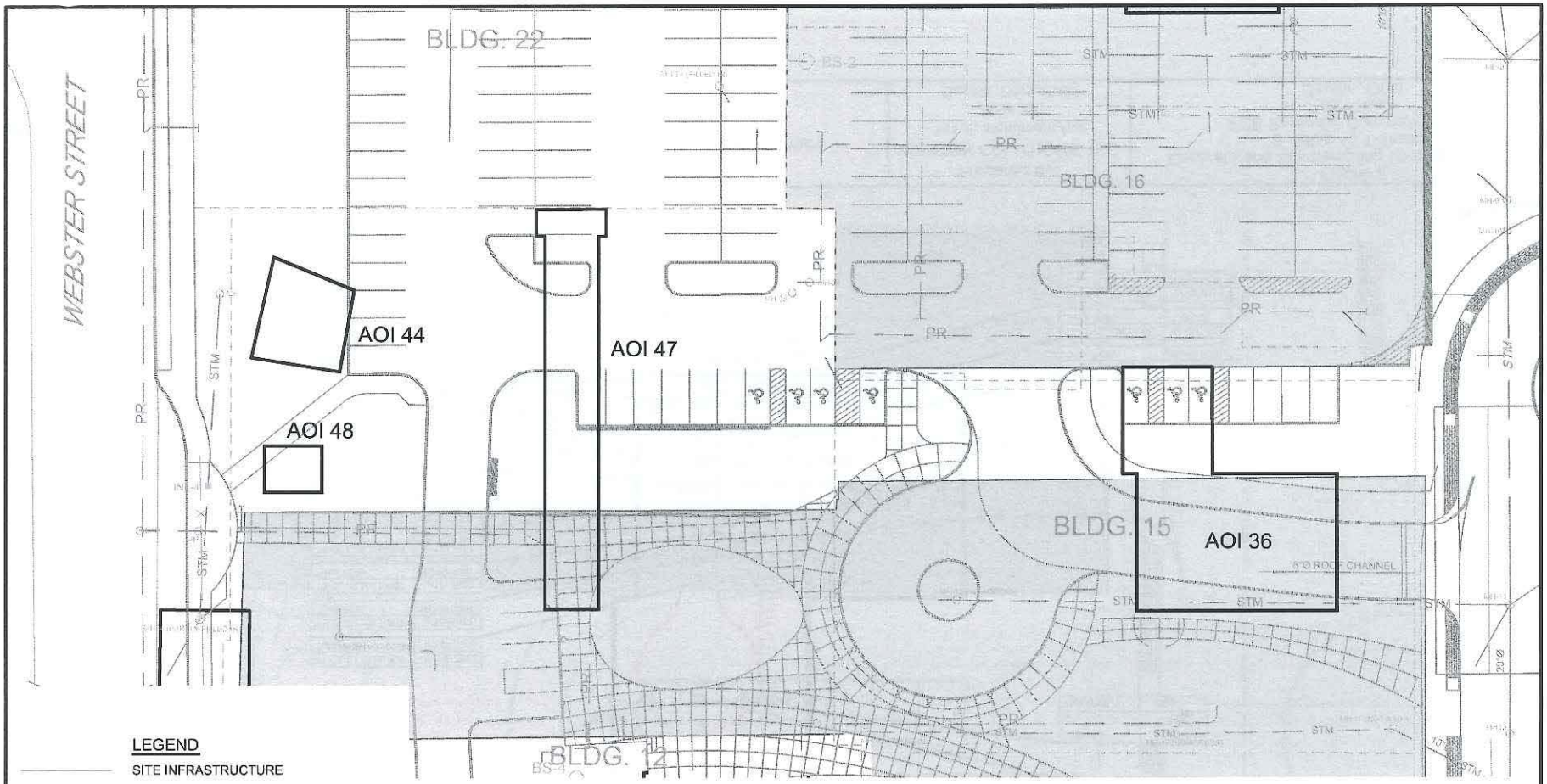
mg/kg = Milligram per kilogram

NA = Not available

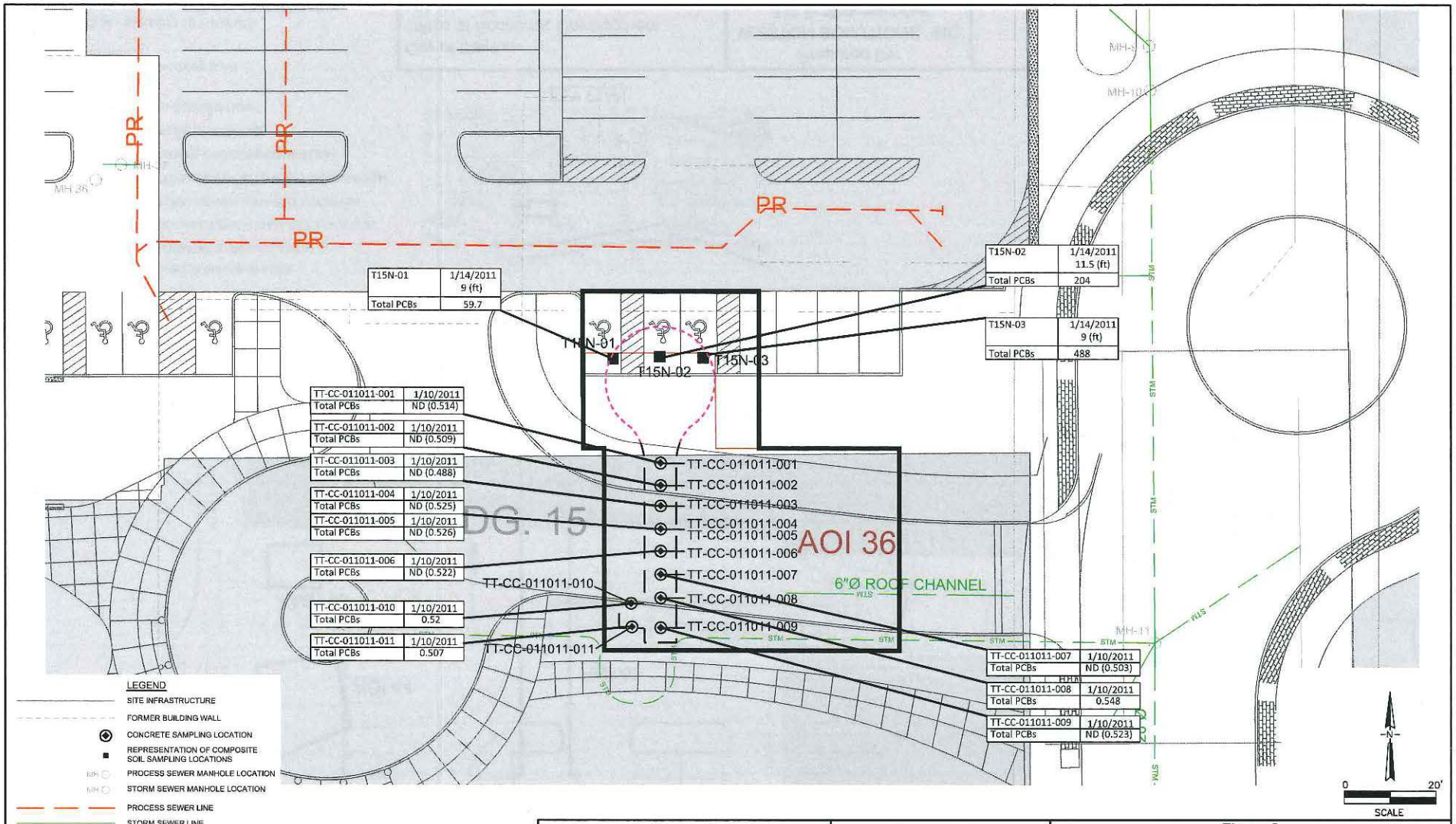
PCB = Polychlorinated biphenyl

U = Analyte not detected

# FIGURES




| | | |
|---|---|---|
| City of Dayton<br>Office of Economic Development<br>101 West Third Street<br>Dayton, Ohio | Prepared By:<br>WESTON SOLUTIONS, INC<br>711 E. Monument Ave.<br>Suite 201<br>Dayton, Ohio 45402 | Figure 1<br>Site Layout Map<br>PCB Remedial Summary Report<br>Tech Town<br>Dayton, Ohio |




| | | |
|---|---|---|
| City of Dayton<br>Office of Economic Development<br>101 West Third Street<br>Dayton, Ohio | Prepared By:<br>WESTON SOLUTIONS, INC<br>711 E. Monument Ave.<br>Suite 201<br>Dayton, Ohio 45402 | Figure 2<br>Concrete and Soil Sampling Locations, AOI 36 - Building 15 T-Trench<br>PCB Remedial Summary Report<br>Tech Town<br>Dayton, Ohio |

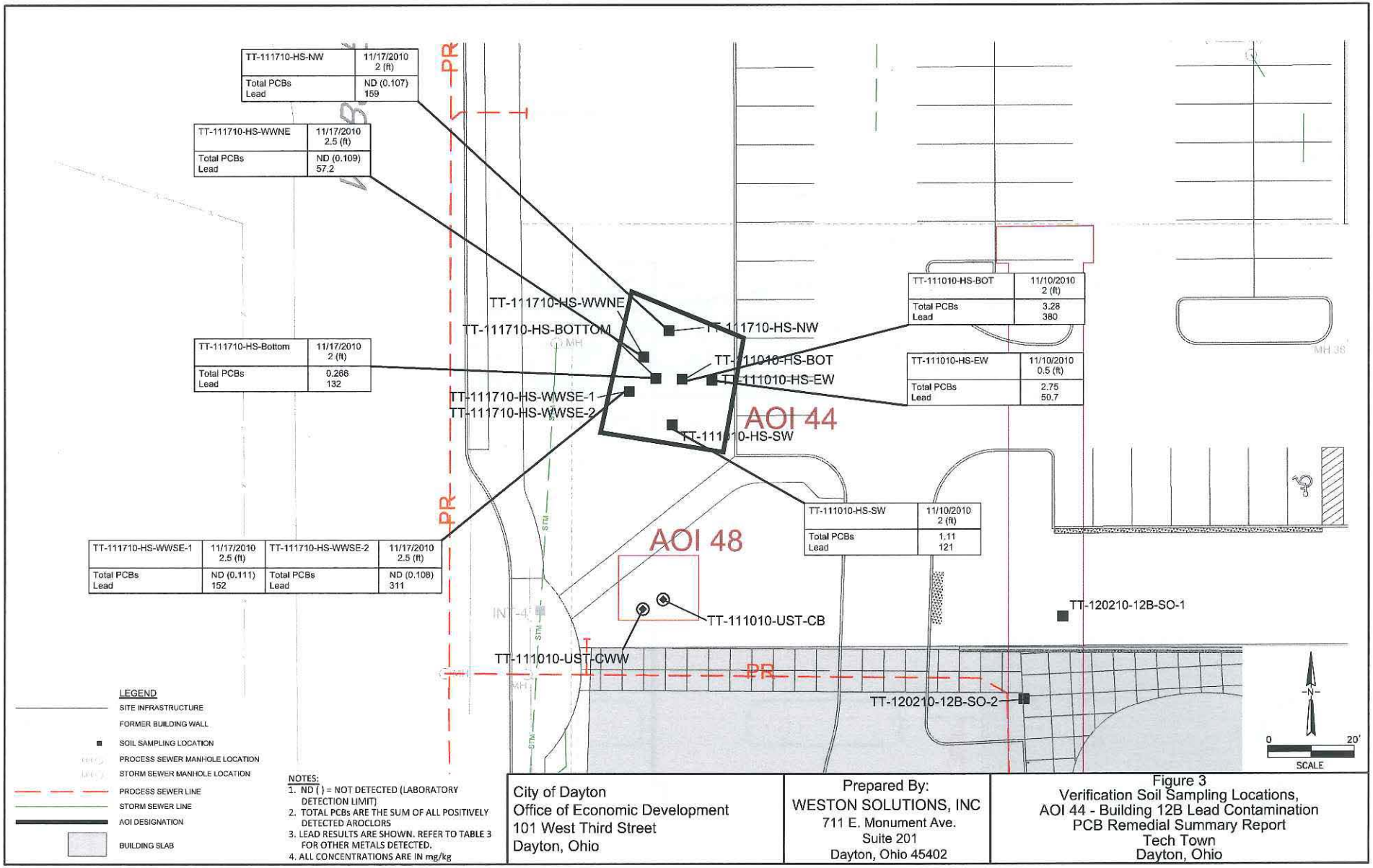



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Figure 3
Verification Soil Sampling Locations,
AOI 44 - Building 12B Lead Contamination
PCB Remedial Summary Report
Tech Town
Dayton, Ohio

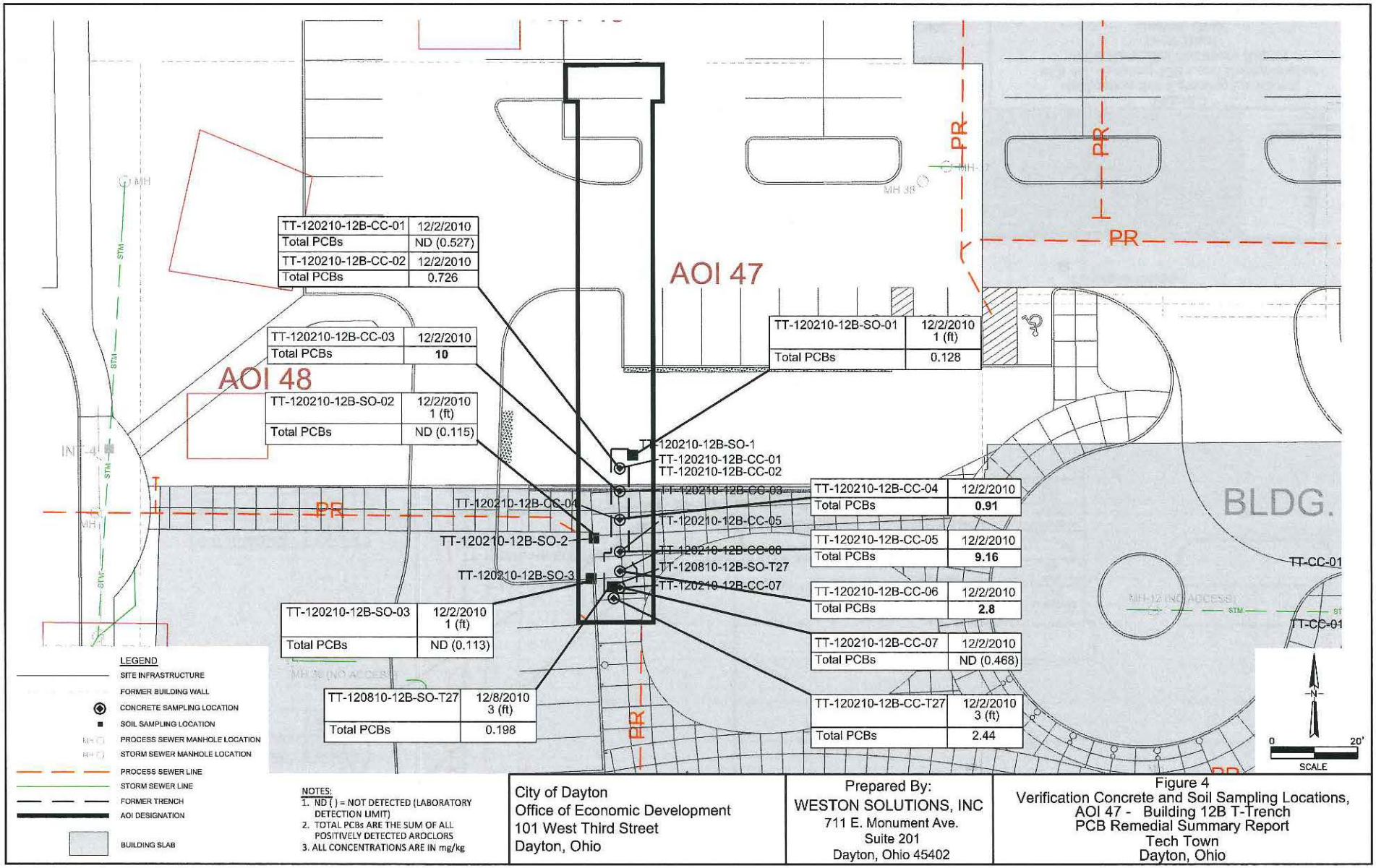


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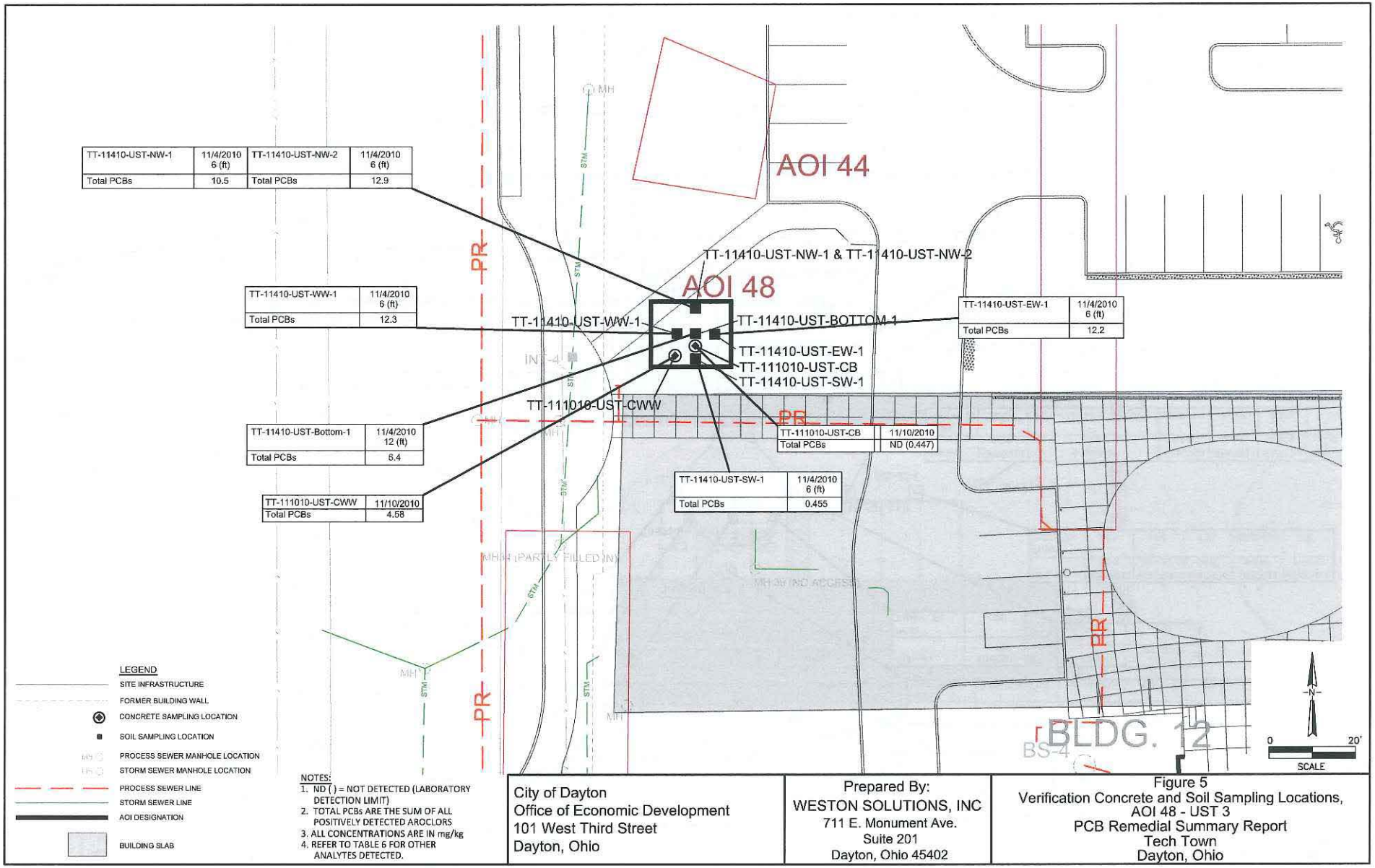
Figure 4
Verification Concrete and Soil Sampling Locations,
AOI 47 - Building 12B T-Trench
PCB Remedial Summary Report
Tech Town
Dayton, Ohio




| TT-11410-UST-NW-1 | 11/4/2010 6 (ft) | TT-11410-UST-NW-2 | 11/4/2010 6 (ft) |
|---|---|---|---|
| Total PCBs | 10.5 | Total PCBs | 12.9 |

| TT-11410-UST-WW-1 | 11/4/2010 6 (ft) |
|---|---|
| Total PCBs | 12.3 |

| TT-11410-UST-EW-1 | 11/4/2010 6 (ft) |
|---|---|
| Total PCBs | 12.2 |

| TT-11410-UST-Bottom-1 | 11/4/2010 12 (ft) |
|---|---|
| Total PCBs | 6.4 |

| TT-111010-UST-CWW | 11/10/2010 |
|---|---|
| Total PCBs | 4.58 |

| TT-111010-UST-CB | 11/10/2010 |
|---|---|
| Total PCBs | ND (0.447) |

| TT-11410-UST-SW-1 | 11/4/2010 6 (ft) |
|---|---|
| Total PCBs | 0.455 |

LEGEND

- SITE INFRASTRUCTURE
- FORMER BUILDING WALL
- CONCRETE SAMPLING LOCATION
- SOIL SAMPLING LOCATION
- PROCESS SEWER MANHOLE LOCATION
- STORM SEWER MANHOLE LOCATION
- PROCESS SEWER LINE
- STORM SEWER LINE
- AOI DESIGNATION
- BUILDING SLAB

NOTES:
1. ND ( ) = NOT DETECTED (LABORATORY DETECTION LIMIT)
2. TOTAL PCBs ARE THE SUM OF ALL POSITIVELY DETECTED AROCLORS
3. ALL CONCENTRATIONS ARE IN mg/kg
4. REFER TO TABLE 6 FOR OTHER ANALYTES DETECTED.

City of Dayton
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101 West Third Street
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Figure 5
Verification Concrete and Soil Sampling Locations,
AOI 48 - UST 3
PCB Remedial Summary Report
Tech Town
Dayton, Ohio

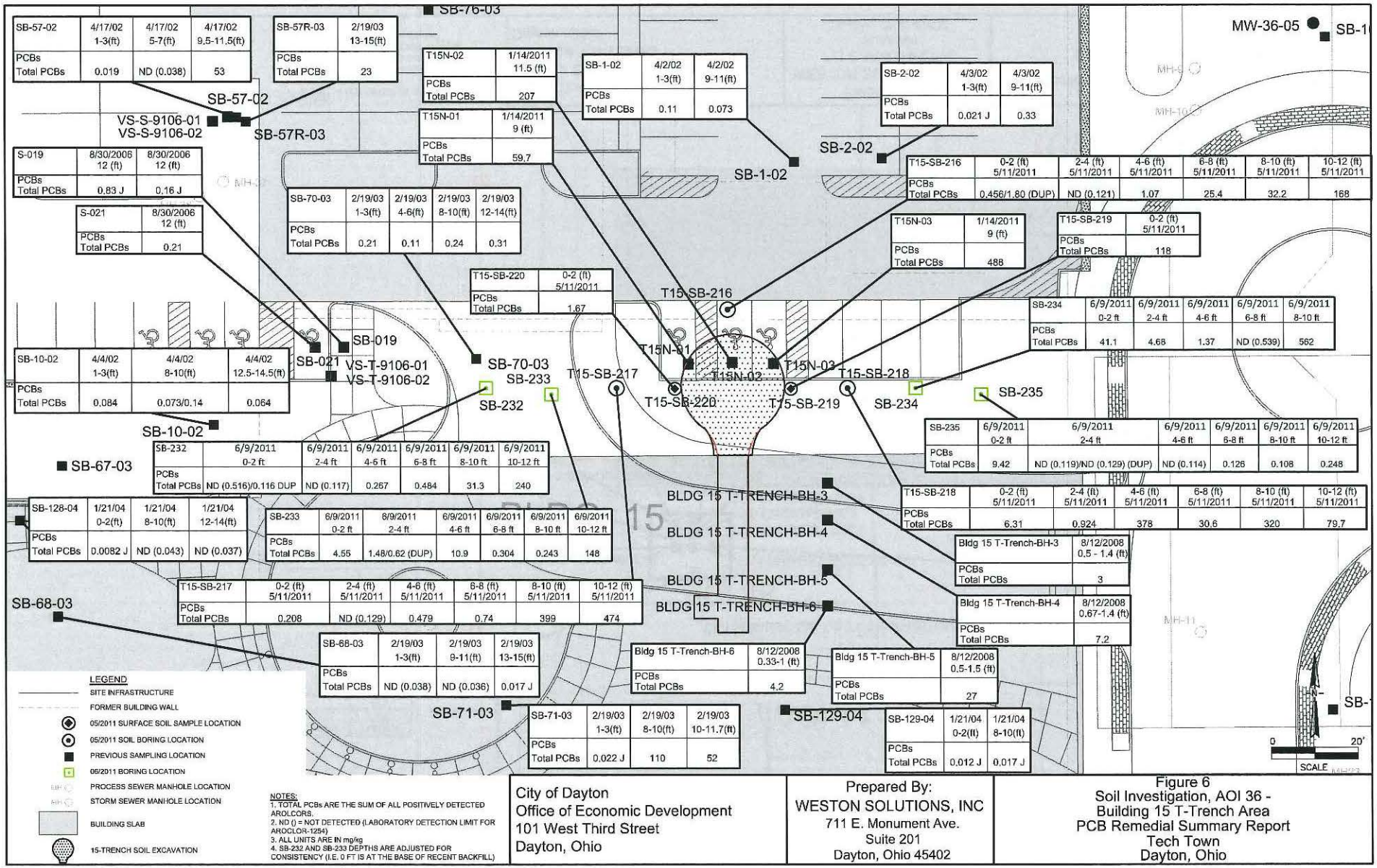


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Figure 6
Soil Investigation, AOI 36 -
Building 15 T-Trench Area
PCB Remedial Summary Report
Tech Town
Dayton, Ohio

# APPENDIX A
# REQUEST FOR 40 CFR 761.61(C) APPROVAL, WORK PLAN, AND U.S. EPA CONDITIONAL APPROVAL FOR REMEDIATION OF PCBS

Weston Solutions, Inc.
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937-531-4400 • Fax 937-531-4401
www.westonsolutions.com

August 25, 2010

Mr. Allen Debus
Waste, Pesticides, and Toxics Division
United States Environmental Protection Agency Region 5
77 West Jackson Blvd., DW8-J
Chicago, IL 60604-3590

**Subject:** **Request for 40 CFR 761.61(c) Approval**
**Work Plan for Risk-Based Management of PCB-Contaminated Material**
**Dayton Tech Town**
**Technical Direction Document No.: S05-0020-1002-012**
**Document Control No.: 939-2A-AHMC**
**Work Order No.: 20405.012.020.0939.00**

Dear Mr. Debus:

Weston Solutions, Inc. (WESTON®), and the City of Dayton (the City) request the United States Environmental Protection Agency (U.S. EPA) to approve this revised Work Plan (WP) for risk-based management of polychlorinated biphenyl (PCB)-contaminated materials discovered during demolition for the Dayton Tech Town (former General Motors [GM] Delphi Harrison Radiator Thermal Systems Plant) located at 300 Taylor Street, Dayton, Ohio (the Site). This WP is consistent with and heavily based on GM's WP dated April 14, 2009, which was submitted to the U.S. EPA for review but never implemented.

This WP discusses the proposed removal activities for the following (see **Figure 1**):

- Area of Interest [AOI] 36 - Building 15 T-trench
- AOI 47 - Building 12B T-trench
- AOI 48 -Underground Storage Tank (UST) 3
- AOI 44 - Building 12B lead contamination

Attachment C to GM's WP dated April 14, 2009, presents waste characterization data associated with these features. Attachment D to GM's WP presents the risk assessment of potential exposure to the contents of the southern portion of the Building 15 trench. This WP includes a sample collection plan (see **Table 1**) and a laboratory quality assurance plan (see **Table 2**). All verification soil samples shall be analyzed by an Ohio Voluntary Action Program (VAP) certified laboratory using VAP certified methodology.

This WP is being submitted in accordance with Title 40 of the *Code of Federal Regulations* (CFR), Section 761.61(c), which allows PCBs to remain in place at a Site under the Toxic Substances Control Act (TSCA) based on a site-specific risk assessment of current and



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anticipated future use scenarios and considering both human health and ecological exposures to residual PCBs.

The following sections discuss each AOI, including proposed removal activities and post-removal sampling protocols; redevelopment plans; the schedule; reporting; and a request for approval.

## AOI 36 - BUILDING 15 T-TRENCH

The following sections discuss the AOI 36 description, pre-removal sampling results, the risk assessment for the southern portion of the trench, and proposed removal activities for the northern portion of the trench.

### Description

AOI 36 is a trench located in the area of former Building 15 (see **Figures 1** and **2**). The City of Dayton identified the trench on April 26, 2006, during Stage 2 demolition activities. The trench consists of a metal-lined concrete structure containing pea gravel, water, and sludge. The northern portion of the trench, which extends into the City's proposed utility corridor, is approximately 20 feet long, 7 feet deep, and 6 to 9 feet wide. The southern portion of the trench is located beneath the concrete slab of former Building 15. Based on visual evidence at the surface of the concrete slab, this portion of the trench is estimated to extend approximately 40 feet to the south and 55 feet to the east and is approximately 3 to 10 feet wide. Based on Geoprobe borings that GM advanced on August 12, 2008, the depth of the main southern portion of the trench ranges from 7.5 feet below ground surface (bgs) in the north to 9.5 feet bgs in the south. The depth of the eastern "fingers" is approximately 1.5 feet bgs.

### Pre-Removal Sampling Results

The City collected a gravel sample from the northern portion of the trench on April 27, 2006, and analyzed the sample for PCBs, Toxicity Characteristic Leaching Procedure (TCLP) metals, TCLP volatile organic compounds (VOC), and TCLP semivolatile organic compounds (SVOC). The sample contained PCBs at 15.6 milligrams per kilogram (mg/kg) and barium at 0.27 milligrams per liter (mg/L). On April 27, 2006, the City also collected four water samples from the trench and analyzed one sample for PCBs, one for total VOCs, one for total SVOCs, and one for Resource Conservation and Recovery Act (RCRA) metals. The samples contained PCBs at 0.808 mg/L, methylene chloride at 0.0221 mg/L, and bis(2-chloroethyl)ether at 0.12 mg/L. The sample contained several metals, the maximum concentration of which was for barium at 0.154 mg/L. On June 1, 2006, the City collected two wipe samples from the metal lining of the trench and analyzed the samples for PCBs, which were not detected in the wipe samples. Also, on August 30, 2006, at the request of U.S. EPA, the City collected two samples of sludge from the bottom of the northern portion of the trench and analyzed the samples for PCBs. The samples contained 1,720 and 717 mg/kg PCBs.



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On August 12, 2008, GM collected 10 gravel samples from the southern portion of the trench at six Geoprobe locations. The samples were analyzed for PCBs, TCLP VOCs, TCLP SVOCs, and TCLP metals. Only PCBs were detected. PCBs were detected in all samples at concentrations ranging from 0.064 to 27 mg/kg. **Figure 2** shows the sampling locations and results. The gravel was wet but not saturated, and no sludge was encountered at any Geoprobe location. Therefore, no water or sludge samples were collected during this sampling event.

Risk Assessment – Southern Portion of Trench

According to the April 14, 2009 WP, exposure of routine workers, maintenance workers, construction workers, and trespassers to PCBs in gravel in the Building 15 trench is not reasonably expected under current or future conditions. However, potential exposure of routine workers during outdoor and maintenance activities was evaluated assuming hypothetical future exposure scenarios in which the overlying building slab is removed and gravel is exposed. The risk assessment was conducted using the same methods, assumptions, and conceptual site model as those used in the baseline risk assessment and the updated risk assessments in the RCRA Facility Investigation (RFI) Report, Addendum 3. The risk assessment was based on analytical results for the 10 samples collected by GM on August 12, 2008, from the southern portion of the Building 15 trench discussed above (see **Figure 2**). Sample results for the northern portion of the trench were not included in the risk assessment because the City proposes removing gravel from that portion of the trench.

As demonstrated by the upper-bound risk estimates for hypothetical exposure to gravel in the southern portion of the trench, even the highest concentrations of PCBs in the gravel would not pose a significant risk to maintenance workers. In addition, as demonstrated by the cumulative risk estimates for a highly conservative, hypothetical exposure unit encompassing the southern portion of the trench and adjacent soil, the concentrations of PCBs in the gravel in combination with the concentrations of all detected chemicals in the surface soil in RFI sub-areas SB-129-04 and SB-1-02 (see **Figure 1)** would not pose a significant risk to routine workers if they were to have equal chance of contact with surface materials in the exposure unit.

Based on these risk assessment findings, the City proposes to allow the gravel in the southern portion of the trench to remain in place. Therefore, only the northern portion of the trench will be addressed by the proposed removal activities.

Proposed Removal Activities – Northern Portion of Trench

The plywood, concrete, and plastic overlying the northern portion of the trench will be removed, reduced into suitably sized pieces for disposal, and disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii). If the trench contains any water, the water will be pumped from the trench and managed as summarized below.



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- Water will be containerized in a polyethylene (poly) tank(s) or equivalent.
- After settling to minimize turbidity, the water will be pumped through a drum containing a sand filter, through two drums containing granular activated carbon (GAC), and into a fractionation (frac) tank.
- Sediment, if any, will be removed from the poly tank(s), placed in drum(s), and disposed of in accordance with 40 CFR 761.61(a)(5)(i)(B)(2).
- The poly tanks(s) will be power-washed with potable water to remove any residual sediment, and this water also will be pumped through a drum containing a sand filter, through two drums containing GAC, and into a frac tank.
- Water in the frac tank will be sampled for VOCs, SVOCs, RCRA Metals, and PCBs after all water has been put into the tank or when the tank is full. If PCBs are less than 3 parts per billion (ppb) and the concentrations of other constituents are below drinking water criteria, the water will be discharged to the storm sewer if such discharge is deemed permissible by the Small Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) permittee. If other constituents are present at concentrations below criteria acceptable for discharge to the sanitary sewer system, the discharge will be coordinated under a permit from the City. If constituents are present in the water at concentrations exceeding discharge criteria, the water will be processed back through the filtration system and resampled or will be disposed of off site in accordance with applicable regulations.
- The poly tank(s), drum(s) containing sand, and drums containing GAC will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii) at the conclusion of the remedial action.

The gravel will be excavated from the northern portion of the trench and placed directly into hauling vehicles. Based on the City's sampling results and due to the probability of some mixing with sludge having occurred during the City's excavation, sampling, and replacement activities, this material will be disposed of off site as TSCA, non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii).

Based on the City's sampling results, the sludge will be containerized and disposed of off site as TSCA, non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii). Excavation will continue until no more sludge is encountered. Based on Geoprobe borings completed by GM in August 2008, the sludge is not anticipated to extend more than a few feet into the southern portion of the trench.

After the trench contents have been removed, the metal liner will be inspected. If the metal liner is significantly rusted or pitted so that decontamination would likely be ineffective, it will be cut into sections, removed from the trench, placed into a roll-off box, and disposed of off site as TSCA non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii). The liner will



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be considered to be significantly rusted or pitted if one or more of the following conditions apply:

- If the liner is rusted through;
- If the liner is rusted to the extent that it would not constitute a non-porous material conducive to sampling under part 761.79;
- If the liner is pitted such that power-washing would be ineffective in removing sludge within the divots;
- If the liner is pitted such that it has been breached.

If the metal liner is not significantly rusted or pitted, it will be power-washed with potable water (which will be managed in the same manner as water from trench dewatering activities). Sampling will be conducted consistent with 40 CFR Part 761, Subpart P, for large, nearly flat surfaces contaminated by a single source of PCBs. Consistent with these guidelines, one wipe sample will be collected at random from each group of 10 adjacent 1-meter sections, and up to 10 samples will be composited. A minimum of three samples will be collected for each medium. The samples will be analyzed for PCBs. The liner will be removed from the trench, cut into sections, and placed into a roll-off box. Consistent with 40 CFR Part 761.79(b)(3)(i)(A), the metal will be sent for off-site recycling if the wipe sample results are less than or equal to 10 micrograms (µg) per 100 square centimeters ($cm^2$). If wipe sample results are greater than 10 µg per 100 $cm^2$ and less than 100 µg per 100 $cm^2$, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(3)(ii). Otherwise, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(B)(2)(iii).

After the metal liner has been removed, the underlying concrete will be inspected for evidence of deterioration of the concrete trench or breaches in the concrete. Locations of breaches, cracks or other such deterioration will be noted.

After the metal liner has been removed, a poured concrete wall or similar permanent barrier will be installed to close off the southern portion of the trench. The concrete trench will sampled from 0 to 3 inches below the concrete surface using a hammer drill or similar equipment. Three concrete samples will be collected with each sample representing a composite of two sampling locations. The concrete trench will be removed, broken into suitably sized pieces for disposal, and disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2).

After the concrete trench has been removed, soil sampling will be conducted. If evidence of deterioration of the trench or breaches in the concrete is identified, soil samples will be collected from locations where such evidence is observed. If no evidence of deterioration of the trench or breaches in the concrete is identified, one soil sample will be collected from the middle of the excavation. The soil sample(s) will be analyzed for PCBs. If soil sample results are greater than 25 mg/kg PCBs and contamination is limited in extent, the City will dispose of the soil off site as remediation waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2). If PCB contamination in soil is extensive, the City will contact U.S. EPA to discuss next steps. If soil sample results are less than or equal to 25 mg/kg, the soil will remain in place and be covered with backfill during



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upcoming construction activities. The City may also elect to dispose of soil with sample results less than or equal to 25 mg/kg in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii) as needed to facilitate the construction activities. In the event PCBs are detected in soil at concentrations greater than 25 mg/kg and the affected media is removed, verification soil sampling will be performed thereafter in accordance with 40 CFR 761.61 Subpart O.

Appropriate precautions will be taken during all aspects of the work to prevent migration of any contaminated medium (such as solids, liquids, or sludges) to the environment. A report will be prepared to document the remedial activities consistent with 40 CFR 761.61(c)(5). This report will be submitted to U.S. EPA.

At the conclusion of the remedial activities, the excavations created by the activities described in this WP will be cordoned off or otherwise left in a condition that does not present a public safety hazard pending initiation of site grading. The City will conduct appropriate backfilling after the installation of the utilities during the upcoming construction project. The excavations will be backfilled to the grade prescribed by the construction specifications. The slab overlying the southern portion of the Building 15 trench will be covered with aggregate and paved as the drive leading to Building G as part of the upcoming construction project.

## AOI 47 - BUILDING 12B T-TRENCH

The following sections discuss the AOI 47 description, pre-removal sampling results, removal and post-removal sampling activities for the northern portion of trench, and proposed removal activities for the southern portion of the trench.

### Description

On June 1, 2006, the City identified a trench in the area of former Building 12B during Stage 2 demolition activities (see **Figures 1** and **3**). The trench consisted of a metal-lined concrete structure containing gravelly soil. The northern portion of the trench, which extended into the City's proposed utility corridor, was approximately 84 feet long, 4 feet deep, and 3 feet wide. The southern portion of the trench is located beneath the concrete slab of former Building 12B. Based on visual evidence at the surface of the concrete slab, this portion of the trench is estimated to extend approximately 30 feet to the south and range from approximately 6 to 11 feet wide. Based on sampling conducted on October 10, 2008, the trench is more than 2.5 feet deep, although the gravel in the bottom portion of the trench was consolidated and the concrete bottom was not encountered.



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Pre-Removal Sampling Results

On June 1, 2006, the City collected one sand/gravel sample from the northern portion of the trench and analyzed the sample for TCLP SVOCs, TCLP metals, and PCBs. SVOCs were not detected. The only metal detected was barium at 0.24 mg/L. PCBs were detected at 324 mg/kg. Based on these sample results, the northern portion of the trench and its contents were disposed of by GM as TSCA non-hazardous waste.

On October 10, 2008, GM collected four samples of gravel from inside the southern portion of the trench at two locations (T-026 and T-027) by saw-cutting the overlying concrete and collecting samples using a shovel. The samples were analyzed for PCBs, TCLP VOCs, TCLP SVOCs, and TCLP metals. PCB concentrations ranged from 1.4 to 1,300 mg/kg.

On April 1, 2009, GM collected three samples of the concrete slab overlying the Building 12B trench. Each sample represented a composite of two sampling locations. The samples were analyzed for PCBs. PCB (aroclor-1254) concentrations ranged from 13 to 29 mg/kg. **Figure 3** shows the sampling locations and results. The approximate middle point of the composite locations is shown in the figure.

Removal and Post-Removal Sampling Activities – Northern Portion of Trench

Between July and August 2006, GM removed gravel, the metal trench lining, the concrete structure, and surrounding soil from the northern trench area. Between September 27 and 28, 2006, GM disposed of the removed materials off site as TSCA non-hazardous waste. GM collected two post-excavation soil samples (T-024 and T-025) from beneath each end of the former northern portion of the trench. The samples were analyzed for PCBs. In addition, U.S. EPA requested that GM collect additional post-removal samples from all areas where PCBs were detected. **Figure 3** shows the sampling locations and results. The City will use this portion of the trench for a utility corridor.

Proposed Removal Activities – Southern Portion of Trench

The concrete slab overlying the southern portion of the trench will be removed and broken into suitably sized pieces for disposal. The concrete will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii). If the trench contains any water, the water will be pumped from the trench and managed with the water from the Building 15 -trench.

Solids will be excavated from the trench and placed directly into hauling vehicles. Based on GM's sample results (see **Figure 3**), this material will be disposed of off site as TSCA non-hazardous waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii). Excavation will continue until the ends of the trench are encountered.



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After the trench contents have been removed, the metal liner will be inspected. If the metal liner is significantly rusted or pitted so that decontamination would likely be ineffective, it will be cut into sections, removed from the trench, placed into a roll-off box, and disposed of off site as TSCA non-hazardous waste in accordance with 40CFR 761.61(a)(5)(i)(B)(2)(iii). The liner will be considered to be significantly rusted or pitted if one or more of the following conditions apply:

- If the liner is rusted through;
- If the liner is rusted to the extent that it would not constitute a non-porous material conducive to sampling under part 761.79;
- If the liner is pitted such that power-washing would be ineffective in removing sludge within the divots;
- If the liner is pitted such that it has been breached.

If the metal liner is not significantly rusted or pitted, it will be power-washed with potable water (which will be managed in the same manner as water from trench dewatering activities). Sampling will be conducted consistent with 40 CFR Part 761, Subpart P, for large, nearly flat surfaces contaminated by a single source of PCBs. Consistent with these guidelines, one wipe sample will be collected at random from each group of 10 adjacent 1-meter sections, and up to 10 samples will be composited. A minimum of three samples will be collected for each medium. The samples will be analyzed for PCBs. The liner will be removed from the trench, cut into sections, and placed into a roll-off box. Consistent with 40 CFR Part 761.79, the metal will be sent for off-site recycling if the wipe sample results are less than or equal to 10 µg per $cm^2$. If wipe sample results are greater than 10 µg per 100 $cm^2$ and less than 100 µg per 100 $cm^2$, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(3)(ii). Otherwise, the metal liner will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(B)(2)(iii).

After the metal liner has been removed, the underlying concrete will be inspected for evidence of deterioration of the concrete trench or breaches in the concrete. Locations of such breaches, cracks or other such deterioration will be noted.

The concrete trench will then be power-washed with potable water (which will be managed in the same manner as water from trench dewatering activities). If deterioration of the concrete is observed, water will be managed to prevent any further release to the environment during power-washing.

After power-washing, concrete samples will be collected from the Building 12B trench from locations where evidence of potential release from the metal liner to the concrete is identified (if any). Concrete samples will be collected from 0 to 3 inches below the concrete surface using a hammer drill or similar equipment. In the event that the liner was deteriorated throughout, concrete sampling will default to the procedures outlined in 40 CFR 761 Subpart O.



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If evidence of deterioration of the concrete trench or breaches in the concrete is identified, soil samples will be collected from locations where such evidence is observed. Soil samples will be collected beneath the concrete structure or immediately outside the concrete structure by coring through the concrete and using a hand auger to collect each soil sample. In addition, concrete and soil samples will be collected at a location consistent with the location of sample T-027 (see **Figure 3**), where PCBs were detected at 1,300 mg/kg in gravel within the trench, regardless of the condition of the trench at this location. The concrete and soil samples will be analyzed for PCBs. If concrete and/or soil sample results are greater than 25 mg/kg PCBs and contamination is limited in extent, the City will dispose of the affected concrete/soil off site as remediation waste in accordance with 40 CFR 761.61(a)(5)(i)(B)(2). If PCB contamination is extensive, the City will contact U.S. EPA to discuss next steps. If either concrete or soil sample results are less than or equal to 25 mg/kg, the material will remain in place and be covered with backfill during construction activities by the City. The City may also elect to dispose of concrete and soil with sample results less than or equal to 25 mg/kg in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii) as needed to facilitate the construction activities.

In the event PCBs are detected in soil or concrete at concentrations greater than 25 mg/kg and the affected media is removed, verification soil sampling will be performed thereafter in accordance with 40 CFR 761.61 Subpart O.

Appropriate precautions will be taken during all aspects of the work to prevent migration of any contaminated medium (such as solids, liquids, or sludges) to the environment. A report will be prepared to document the remedial activities consistent with 40 CFR 761.61(c)(5). This report will be submitted to U.S. EPA.

At the conclusion of the remedial activities, the excavations created by the activities described in this WP will be cordoned off or otherwise left in a condition that does not present a public safety hazard pending initiation of site grading. The City will conduct appropriate backfilling after the installation of the utilities during the upcoming construction project. The excavations will be backfilled to the grade prescribed by the construction specifications.

## AOI 48 - UST 3

The following sections discuss the UST 3 description, pre-removal sampling results, and proposed removal activities.

### Description

Conestoga–Rovers & Associates (CRA) discovered UST 3 (a previously unknown UST) on August 29, 2006. UST 3 consists of an upright metal tank approximately 6 feet in diameter containing water (see **Figure 1**). The historical contents of UST 3 are unknown. UST 3 is partially under a concrete slab and partially surrounded by a subgrade concrete block wall. The floor slabs have been in place since approximately 1919 or 1920.



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Pre-Removal Sampling Results

On August 29, 2006, the City collected one water sample from UST 3 and analyzed the sample for PCBs, VOCs, SVOCs, and total petroleum hydrocarbon (TPH) parameters. **Attachment** A presents the laboratory report for this sample. The sample contained PCBs at a concentration of 60.2 micrograms per liter (µg/L); vinyl chloride at 898 µg/L; total xylene at 4,650 µg/L; and 2,4-dimethylphenol at 336 µg/L. The TPH analysis detected peaks in the kerosene- and motor oil-ranges and also a high component of lighter compounds.

On April 1, 2009, GM collected three samples of the concrete overlying UST 3 and analyzed the samples for PCBs. PCB (aroclor-1254) concentrations ranged from 4.0 to 12 mg/kg.

Proposed Removal Activities

The proposed removal activities for UST 3 are consistent with the *Ohio Administrative Code* (OAC) 1301:7-9-12. WESTON will engage a certified UST installer to perform the work, obtain a permit from the local fire agency pursuant to OAC 1301:7-9-10, and arrange for a certified UST inspector to observe the work.

The concrete slab will be removed to the extent necessary to allow the safe removal of UST 3 and then will be broken into suitably sized pieces for disposal. The concrete slab will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii).

Water from the UST will be managed as summarized below.

- Water will be pumped through a drum containing a sand filter, through two drums containing GAC, and into a frac tank.
- Water in the frac tank will be sampled for VOCs, SVOCs, RCRA Metals, and PCBs after all water has been put into the tank or when the tank is full. If PCBs are less than 3 ppb and the concentrations of other constituents are below drinking water criteria, the water will be discharged to the storm sewer if such discharge is deemed permissible by the MS4 NPDES permittee. If other constituents are present at concentrations below criteria acceptable for discharge to the sanitary sewer system, the discharge will be coordinated under a permit from the City. If constituents are present in the water at concentrations exceeding discharge criteria, the water will be processed back through the filtration system and resampled or disposed of off site in accordance with applicable regulations.
- The drum(s) containing sand, and drums containing GAC will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(iii) at the conclusion of the remedial action.



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The UST will be cleaned and removed pursuant to OAC 1301:7-9-12(G). The UST will be rendered unusable and free of vapors. Two wipe samples will be collected from the inside of the tank following cleaning in accordance with 40 CFR 761 Subpart P. Consistent with 40 CFR Part 761.79, the metal tank will be sent for off-site recycling if the wipe sample results are less than or equal to 10 µg per 100 $cm^2$. If wipe sample results are greater than 10 µg per 100 $cm^2$ and less than 100 µg per 100 $cm^2$, the metal tank will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(3)(ii). Otherwise, the metal tank will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(B)(2)(iii).

Samples will be collected prior to the removal of soil or backfill from the tank cavity. One soil sample will be collected from each of the four sidewalls and one soil sample will be collected from the bottom of the cavity. The samples will be analyzed for PCBs by a laboratory accredited under the National Environmental Laboratory Accreditation Program (NELAP). Following the collection of these samples, excavation of backfill from the cavity will commence. Removal of all backfill from the tank excavation is required pursuant to OAC 1301:7-9-12(G)(1)(f). However, the backfill may not be visually distinct from native soil because both consist of sand and gravel. Therefore, only stained soil, if any, will be removed to a maximum extent of 12 inches from the tank wall. All removed soil will be staged, sampled, and analyzed for TCLP VOCs, TCLP SVOCs, and TCLP metals. The results of these TCLP analyses and the PCB analyses will be used for waste characterization purposes. The maximum concentration of PCBs detected in the five in-situ soil samples will be used to represent the PCB concentration in the waste in its characterization for disposal. The excavated backfill/soil will be disposed of off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2) and applicable regulations.

Post-excavation soil samples will be collected from the floor of the excavation and from each of the four sidewalls on a 10 ft by 10 ft grid system in accordance with OAC 1301:7-9-12. Wherever a subsurface foundation is adjacent to the UST (for example, on the southern wall), a sample of the concrete or brick wall also will be collected and analyzed for PCBs. The sample from the western sidewall will be collected from greater than 6 feet bgs (deeper than sample S-011) as requested by U.S. EPA. Samples will be collected from the location with the greatest evidence of potential contamination, including stained areas and areas yielding elevated photoionization detector (PID) readings. If no evidence of potential contamination is observed, the sample will be collected from the middle of the sidewall or the middle of the excavation floor except as noted above.

All post-excavation soil samples will be submitted to a Ohio VAP-certified laboratory and analyzed for VOCs, SVOCs, and TPH in accordance with OAC 1301:7-9-10 and for PCBs. The VOCs, SVOCs, and TPH results will be compared to applicable criteria set in OAC 1301:7-9-12 and associated response actions. If soil sample results are greater than 25 mg/kg PCBs, the City will contact U.S. EPA to discuss next steps. If concrete/brick results are greater than 25 mg/kg and the area is limited in extent, the associated concrete and brick will be removed and disposed off site in accordance with 40 CFR 761.61(a)(5)(i)(B)(2). If either concrete/brick or soil sample results are less than or equal to 25 mg/kg, the material will remain in place and be covered with



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backfill during construction activities by the City. The City may also elect to dispose of concrete, brick, and soil with sample results less than or equal to 25 mg/kg in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii) as needed to facilitate the construction activities.

## AOI 44 - BUILDING 12B LEAD CONTAMINATION

The following sections discuss the AOI 44 description and proposed removal activities.

### Description

A free product area in the northwest portion of Building 12B was identified in May 2006. GM removed 160 tons of soil and concrete from the area and collected post-removal soil samples that contained PCBs, antimony, copper, lead, and zinc. These constituents did not appear to be associated with the free product that was excavated. Lead was detected at up to 4,530 mg/kg and was the constituent of greatest concern. Risk calculations based on the concentrations of metals detected concluded that the metals could contribute significantly to risk estimates for routine workers. Further investigative soil borings (SB-212-09, SB-213-09, SB-214-09, and SB-202-09) were advanced in the area of this apparent "hot spot" to determine the extent of metals and PCB contamination (see **Figure 1**). The proposed removal activities below are based on the results from this investigation.

### Proposed Removal Activities

A field scientist will use an x-ray fluorescence (XRF) screening instrument to initially delineate the approximate excavation area based on shallow soil lead readings in excess of 900 mg/kg, which is one-half the VAP Commercial/Industrial Standard. The approximate excavation area also will be determined based on existing soil analytical results, sampling location maps, and visible indications of the previous excavation area. The excavation will be approximately 10 feet in diameter and approximately 2 feet deep.

If deemed appropriate, an additive may be applied to soil prior to removal for heavy metal immobilization purposes. Waste characterization samples will be collected prior to the removal action. Soil will be sampled and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, and PCBs for disposal approval. The maximum concentration of PCBs detected from the waste characterization sample and the 2006 FP-2 soil sample (2.9 mg/kg aroclor-1254) will be used to represent the PCB concentration in the waste in its characterization for disposal. The removed soil will be placed into a truck or roll-off container for off-site disposal, which will be based on laboratory results and in accordance with RCRA regulations and 40 CFR 761.61(a)(5)(i)(B)(2).

Five verification samples soil samples will be collected (four sidewall samples and one bottom sample) and analyzed for target analyte list (TAL) metals and PCBs. Excavation followed by verification sampling shall continue until PCBs are less than or equal to 25 mg/kg and lead results are less than applicable direct contact standards for Ohio VAP compliance. Post-



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excavation soil samples will be collected from the floor of the excavation and from each of the four sidewalls on a 10 ft by 10 ft grid system. Samples will be collected from the location with the greatest evidence of potential contamination, including stained areas and areas yielding elevated photoionization detector (PID) readings. If no evidence of potential contamination is observed, the sample will be collected from the middle of the sidewall or the middle of the excavation floor. In the event that contamination is significantly more extensive than anticipated, the City will contact U.S. EPA to discuss next steps.

## REDEVELOPMENT PLANS

The City of Dayton is about to begin construction of Building G and a Park-and-Ride area on the portion of the Site located between Taylor and Webster Streets. As part of the construction activities, roughly five feet of concrete will be removed from the northern edge of the remaining Building 12 slab and eastern edge of the remaining Building 15 slab. This concrete will be disposed offsite in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii). Provision for this type of concrete management activity was included in the previous 40 CFR 761.61(c) approval, which per your letter dated April 27, 2009 remains in effect for the Site.

If Site activities result in the discovery of other features impacted by PCBs at greater than 25 mg/kg or removal of media impacted by PCBs at greater than 25 mg/kg, WESTON or the City will contact the U.S. EPA for direction. To facilitate timely response to such discoveries, WESTON requests authorization from the U.S. EPA to dispose of environmental media and legacy infrastructure materials in accordance with 40 CFR 761.61(a)(5)(i)(B)(2) based on applicable PCB concentrations and in accordance with RCRA regulations. To the extent feasible, soil with less than or equal to 25 mg/kg PCBs excavated during construction activities will remain on Site. Should off site disposal of Site media containing PCBs less than or equal to 25 mg/kg be necessitated by the redevelopment (e.g. media does not meet construction criteria to remain on Site), the City requests authorization to dispose of said media in accordance with 40 CFR 761.61(a)(5)(i)(B)(2)(ii).

## SCHEDULE

The removal activities will be implemented upon receipt of U.S. EPA's approval. Removal activities are anticipated to be completed within 6 months.

## REPORTING

The removal activities will be documented in a report to be maintained by the City and available for inspection at City Hall. A copy of the report will be sent to U.S. EPA.



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**REQUEST FOR APPROVAL**

WESTON respectfully requests your approval of this WP. Please call me at (937) 531-4402 if you have any questions or need additional information.

Very truly yours,
WESTON SOLUTIONS, INC.

Jennifer Nutini
Assistant Engineer

Laura Funk
Project Manager

Tables
Figures
Attachment:
A – Laboratory Analytical Report

cc: WESTON START DCN File



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# TABLES

# Table 1
# Sample Collection Plan
# Dayton Tech Town Work Plan
# Dayton, Montgomery County, Ohio

| Sampling Area | Sample Type | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Water[a] | Soil | | | | | | Wipe | Concrete |
| | VOCs, SVOCs, RCRA Metals, PCBs | VOCs, SVOCs, PCBs, TPH | TCLP Metals | TCLP SVOCs | TCLP VOCs | TAL Metals | PCBs | PCBs | PCBs |
| AOI 36 - Building 15 T-Trench | 1 | | | | | | 1 + TBD[b] | 3 | 6[c] + TBD[b] |
| AOI 47 - Building 12B T-Trench | 1 | | | | | | 1 + TBD[b] | 3 | 1+TBD[b] |
| AOI 48 - UST 3 | 1 | 5 | 1 | 1 | 1 | | 5 | 2 | TBD[b] |
| AOI 44 – Building 12B Lead Contamination | | | 1 | 1 | 1 | 5 | 6 | | |

Notes:

In addition to the sample tally shown above, the following quality control samples shall also be collected:

Duplicates will be collected at a rate of 1 per every 10 or fewer samples collected for each matrix or analysis.

Matrix spike/matrix spike duplicates will be collected at a rate of 1 for every 20 or fewer samples for each matrix for PCB analysis

Rinsates will be collected at a rate of 1 for every 20 or fewer samples for PCB analysis for each matrix for which the associated samples are collected using non-dedicated, non-disposable equipment

AOI = Area of Interest
PCB = Polychlorinated biphenyl
RCRA = Resource Conservation and Recovery Act
SVOC = Semivolatile organic compound
TAL = Target Analyte List
TBD = To be determined in the field
TCLP = Toxicity Characteristic Leaching Procedure
TPH = Total petroleum hydrocarbons
UST = Underground storage tank
VOC = Volatile organic compound

a Water samples will be collected for analysis from fractionation tank at a rate of one sample per full tank.
b TBD samples will be collected after inspection of potentially affected media.
c The six concrete samples will be composited into three samples for analysis.



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**Table 2**
**Laboratory Quality Assurance Plan**
**Dayton Tech Town Work Plan**
**Dayton, Montgomery County, Ohio**

| Matrix | Analytical Group | U.S. EPA Laboratory Method |
|---|---|---|
| Soil/Concrete | TAL Metals | U.S. EPA SW 846 Method 6010B/ 6020/7471 |
| | PCBs | U.S. EPA SW 846 Method 8082 |
| | TCLP VOCs | U.S. EPA SW 846 Method 1311 |
| | TCLP SVOCs | U.S. EPA SW 846 Method 1311 |
| | TCLP Metals | U.S. EPA SW 846 Method 1311 |
| | TPH | U.S. EPA SW-846 Method 8015M |
| Water | PCBs | U.S. EPA SW 846 Method 8082 |
| | RCRA Metals | U.S. EPA SW 846 Method 6010B /6020/7470/7471 |
| | VOCs | U.S. EPA SW 846 Method 8260 |
| | SVOCs | U.S. EPA SW 846 Method 8270 |
| Wipe | PCBs | U.S. EPA SW 846 Method 8082 |

Notes:
All laboratories contracted for work in this Work Plan will be NELAP-accredited.
Soil analyses for verification of a removal action will be conducted by a laboratory certified under the Ohio Voluntary Action Program for the applicable analyses.
NELAP = National Environmental Laboratory Accreditation Program
PCB = Polychlorinated biphenyl
RCRA = Resource Conservation and Recovery Act
RCRA Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver
SVOC = Semivolatile organic compound
TAL = Target Analyte List (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, and vanadium)
TBD = To be determined in the field
TCLP = Toxicity Characteristic Leaching Procedure
TPH = Total petroleum hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOC = Volatile organic compound



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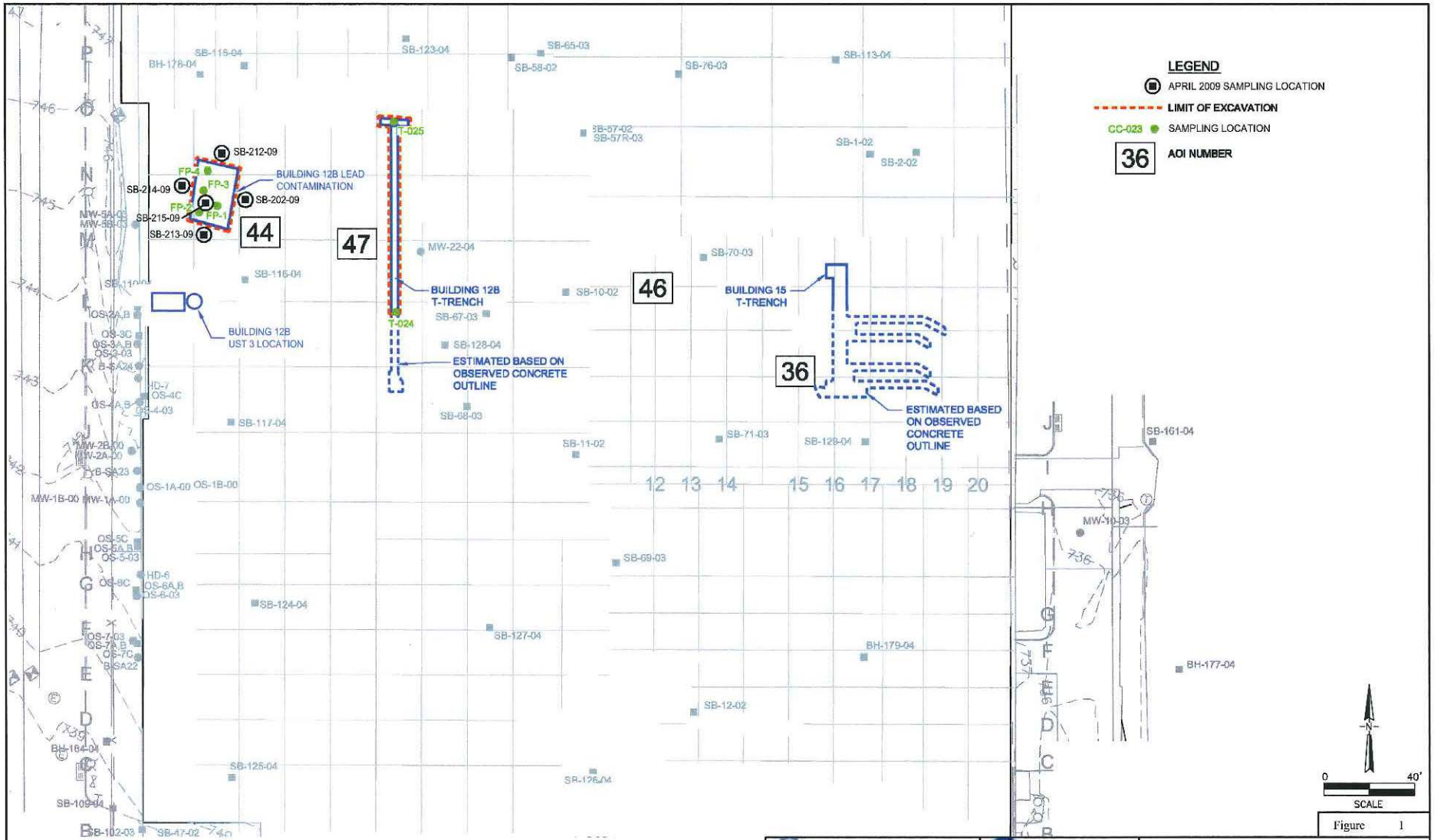
# FIGURES




SOURCE:
CRA, FIGURE 1, PROPOSED BORING LOCATIONS, FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY.

Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0020-1002-012
DCN: 939-2A-AHMC

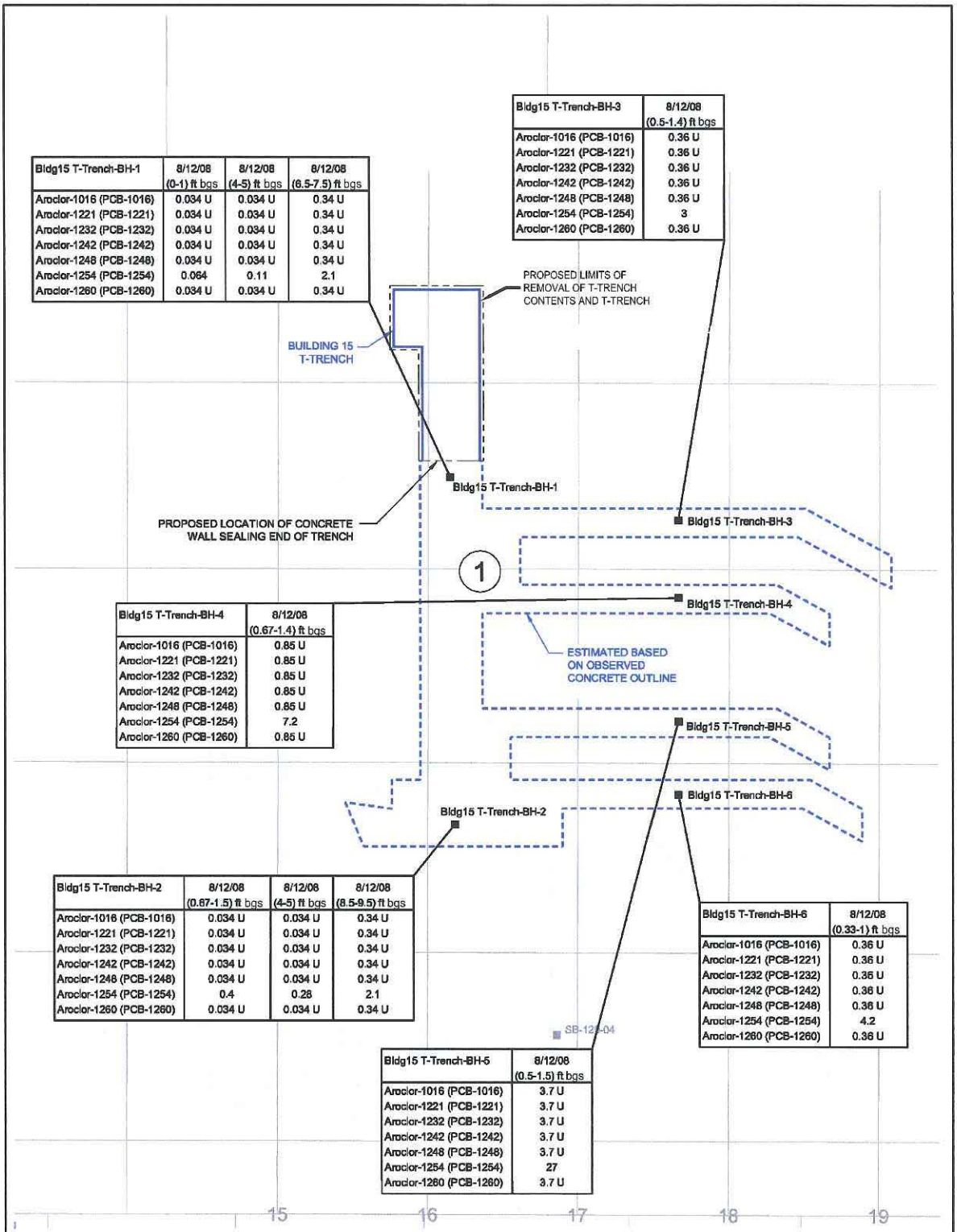
Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Ave.
Suite 201
Dayton, Ohio 45402

**Site Features and Boring Locations**

Dayton Tech Town

Dayton, Montgomery County, Ohio

Figure 1




SOURCE:
CRA, FIGURE 2, AOI 36 – BUILDING 15 T–TRENCH, FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY.

Figure 2

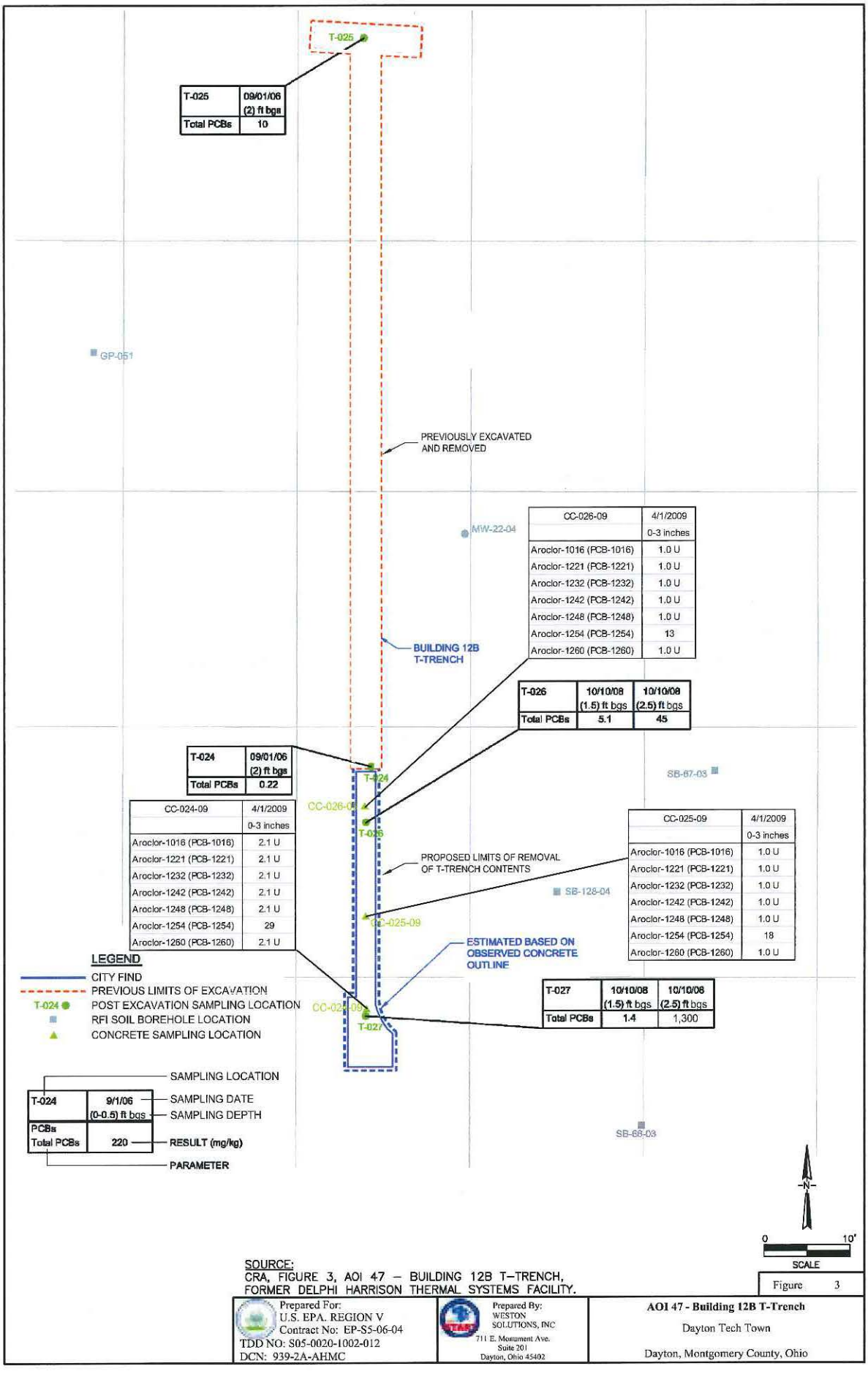
Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0020-1002-012
DCN: 939-2A-AHMC

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Ave.
Suite 201
Dayton, Ohio 45402

**AOI 36 - Building 15 T-Trench**

Dayton Tech Town

Dayton, Montgomery County, Ohio




SOURCE:
CRA, FIGURE 3, AOI 47 – BUILDING 12B T–TRENCH, FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY.

Figure 3

Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0020-1002-012
DCN: 939-2A-AHMC

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Ave.
Suite 201
Dayton, Ohio 45402

**AOI 47 - Building 12B T-Trench**

Dayton Tech Town

Dayton, Montgomery County, Ohio

# ATTACHMENT A
# LABORATORY ANALYTICAL REPORT

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937.294.6856 • Fax: 937.294.7816 • 800.572.0839

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


Enclosed are the Analytical and Quality Control Reports for the following samples submitted to TestAmerica for analysis:

Project: Tech Town

| Sample Number | Sample Description | Date Taken | Date Received |
|---|---|---|---|
| 218254 | WC-82906-01-04 | 08/29/2006 | 08/29/2006 |

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica certifies that the analytical results contained herein apply only to the specific samples analyzed. Reproduction of this report is permitted only in its entirety.

Enclosure

Project Management Approval

Dayton - 3601 South Dixie Drive, Dayton, OH 45439 937-294-6856/FAX:937-294-7816
Dundee (Chicago) - 1990 Rock Road Lane, Unit 11, Dundee, IL 60118 847-783-4960/FAX:847-783-4969
Indianapolis - 6964 Hillsdale Court, Indianapolis, IN 46250 317-842-4261/FAX:317-842-4286
Pontiac - 341 W. Walton Blvd, Pontiac, MI 48340 248-332-1940/FAX:248-332-5450

www.testamericainc.com
TestAmerica Analytical Testing Corporation | TestAmerica Drilling Corporation | TestAmerica Air Emission Corporation

# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254 | **SAMPLE DESCRIPTION** WC-82906-01-04 | **DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Prep, Base Neutral | SW 3520 | | Complete | X | 08/30/2006 | | 2778 | | cad | DT | |
| Prep, Acid Extractable | SW 3520 | | Complete | X | 08/30/2006 | | 2778 | | cad | DT | |
| Prep, PCBs Aqueous 8082 | SW 3520 | | Complete | X | 08/30/2006 | | 1972 | | cad | DT | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| Acetone | <20.0 | ug/L | <20.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Benzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Br dichloromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| B form | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Bromobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | <12.5 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Carbon tetrachloride | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chloroethane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2-Chlorotoluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 4-Chlorotoluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chloroform | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Chloromethane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Dibromochloromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Dibromomethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Dichlorodifluoromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1-Dichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2-Dichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1-Dichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| cis-1,2-Dichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| trans-1,2-Dichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |

X - Insufficient sample for MS/MSD

Lab ID: CH = Chicago (Burbank), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLI = Client Data

TestAmerica
ANALYTICAL TESTING CORPORATION
3601 South Dixie Drive • Dayton, OH 45439 • 937-291-6856 • Fax: 937-294-7816 • 800-572-9839

# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254
**SAMPLE DESCRIPTION** WC-82906-01-04
**DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,3-Dichloropropane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2,2-Dichloropropane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1-Dichloropropene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| cis-1,3-Dichloropropene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| trans-1,3-Dichloropropene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Ethylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Hexachlorobutadiene | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| n-Hexane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 2-Hexanone | <12.5 | ug/L | <12.5 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| p-Isopropyltoluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Bromomethane | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Methylene chloride | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Methyl tert butyl ether (MTBE) | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | <12.5 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| n-Propylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Styrene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Tetrachloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Toluene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,1-Trichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,1,2-Trichloroethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Trichloroethene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Trichlorofluoromethane | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| 1,3,5-Trimethylbenzene | <1.0 | ug/L | <1.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Vinyl acetate | <5.0 | ug/L | <5.0 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Vinyl chloride | 898 | ug/L | <100 | | 09/03/2006 | | | 9278 | prb | DT | SW 8260B |
| Xylenes, Total | 4,650 | ug/L | <200 | | 09/03/2006 | | | 9278 | prb | DT | SW 8260B |
| Surr: 1,2-Dichloroethane-d4 | 80-120 | % | 80-120 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Surr: Dibromofluoromethane | 86-118 | % | 86-118 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

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# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 218254
**SAMPLE DESCRIPTION** WC-82906-01-04
**DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surr: Toluene-d8 | 88-110 | % | 88-110 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| Surr: 4-Bromofluorobenzene | 86-115 | % | 86-115 | | 09/05/2006 | | | 9279 | jpp | DT | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | | |
| Acenaphthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Acenaphthylene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Anthracene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(a)anthracene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(b)fluoranthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(k)fluoranthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzo(a)pyrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| P `(ghi)perylene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| l alcohol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Benzyl butyl phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-Chloroethyl)ether | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-Chloroethoxy)methane | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-Ethylhexyl)phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| bis(2-chloroisopropyl)ether | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 4-Bromophenyl phenyl ether | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 4-Chloroaniline | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Chloronaphthalene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Chrysene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Dibenz(a,h)anthracene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Dibenzofuran | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,2-Dichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,3-Dichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,4-Dichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Diethyl phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Dimethyl phthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4-Dinitrotoluene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,6-Dinitrotoluene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Di-n-octylphthalate | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Fluoranthene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Fluorene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |

Lab ID: CH = Chicago (Rundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

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# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


**SAMPLE NO.** 219254 | **SAMPLE DESCRIPTION** WC-82906-01-04 | **DATE/TIME TAKEN** 08/29/2006 15:50

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexachlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Hexachlorocyclopentadiene | <20 | ug/L | <20 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Hexachloroethane | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Indeno(1,2,3-cd)pyrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Isophorone | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Naphthalene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Nitrobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| N-Nitrosodi-n-propylamine | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Phenanthrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Pyrene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 1,2,4-Trichlorobenzene | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: d5-Nitrobenzene | 24 | % | 35-124 | W | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | 82 | % | 43-134 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: d14-Terphenyl | 86 | % | 34-149 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | | |
| Benzoic acid | <50 | ug/L | <50 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 4-Chloro-3-methylphenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Chlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4-Dichlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4-Dimethylphenol | 336 | ug/L | <100 | | 09/05/2006 | | 2778 | 5547 | jcs | DT | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Methylphenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| meta & para-Methylphenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2-Nitrophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Pentachlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Phenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4,5-Trichlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| 2,4,6-Trichlorophenol | <10 | ug/L | <10 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: d6-Phenol | 35 | % | 10-149 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: 2-Fluorophenol | 0 | % | 21-145 | W | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| Surrogate: Tribromophenol | 32 | % | 21-146 | | 08/31/2006 | | 2778 | 5546 | jrw | DT | SW 8270C |
| PCB's W 8082, Aqueous | | | | | | | | | | | |
| Aroclor 1016 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |

W - Surrogate is outside of control limits.
f - Elevated value due to high levels of target analytes.

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLT = Client Data

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# Analytical Report

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|---|---|---|
| 218254 | WC-82906-01-04 | 08/29/2006 15:50 |

| | Result | Units | Reporting Limit | Flag | Run Date | Run Time | Prep Batch | Run Batch | Anal. Init. | Lab ID | Method Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1221 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1232 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1242 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1248 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1254 | 60.2 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Aroclor 1260 | <10.0 | ug/L | <0.20 | f | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Surrogate: DCB | n/a | % | | g | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| Surrogate: TCX | DL | % | | g | 09/05/2006 | | 1972 | 803 | clh | DT | SW 8082 |
| DRO Fingerprint Scan Prep | complete | | Complete | | 08/30/2006 | | 20 | | cad | DT | |
| DRO Fingerprint Scan | Complete | | See Text | | 09/02/2006 | | 20 | 31 | cwm | DT | SW 8015 (Mod) |

f - Elevated value due to high levels of target analytes.
g - Surrogate was diluted out during analysis.

Lab ID: CH = Chicago (Dundee), DT = Dayton, IN = Indianapolis, PT = Pontiac, SUB = Subcontracted, CLI = Client Data

# Quality Control Report
## Blanks

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Vinyl chloride | | 9278 | <1.0 | ug/L | | 09/03/2006 |
| Xylenes, Total | | 9278 | <2.0 | ug/L | | 09/03/2006 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Acetone | | 9279 | <20.0 | ug/L | | 09/05/2006 |
| Benzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| tert-Butylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| sec-Butylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| n-Butylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromochloromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromodichloromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromoform | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 2-Butanone (MEK) | | 9279 | <12.5 | ug/L | | 09/05/2006 |
| Carbon disulfide | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Carbon tetrachloride | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chloroethane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 2-Chlorotoluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 4-Chlorotoluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chloroform | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Chloromethane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Dibromochloromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Dibromomethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Dichlorodifluoromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2-Dichlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,3-Dichlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,4-Dichlorobenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1-Dichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2-Dichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1-Dichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| cis-1,2-Dichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| trans-1,2-Dichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2-Dichloropropane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1-Dichloropropane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 2,2-Dichloropropane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1-Dichloropropene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| cis-1,3-Dichloropropene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| trans-1,3-Dichloropropene | | 9279 | <1.0 | ug/L | | 09/05/2006 |

# Quality Control Report
## Blanks

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| Ethylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Hexachlorobutadiene | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| n-Hexane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 2-Hexanone | | 9279 | <12.5 | ug/L | | 09/05/2006 |
| Isopropylbenzene (Cumene) | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| p-Isopropyltoluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Bromomethane | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Methylene chloride | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Methyl-tert butyl ether (MTBE) | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 4-Methyl-2-pentanone (MIBK) | | 9279 | <12.5 | ug/L | | 09/05/2006 |
| n-Propylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Styrene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1,1,2-Tetrachloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1,2,2-Tetrachloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Tetrachloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Toluene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2,4-Trichlorobenzene | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| 1,1,1-Trichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,1,2-Trichloroethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Trichloroethene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Trichlorofluoromethane | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,2,4-Trimethylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| 1,3,5-Trimethylbenzene | | 9279 | <1.0 | ug/L | | 09/05/2006 |
| Vinyl acetate | | 9279 | <5.0 | ug/L | | 09/05/2006 |
| Surr: 1,2-Dichloroethane-d4 | | 9279 | 96 | % | | 09/05/2006 |
| Surr: Dibromofluoromethane | | 9279 | 101 | % | | 09/05/2006 |
| Surr: Toluene-d8 | | 9279 | 99 | % | | 09/05/2006 |
| Surr: 4-Bromofluorobenzene | | 9279 | 98 | % | | 09/05/2006 |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | |
| Acenaphthene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Acenaphthylene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Anthracene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(a)anthracene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(b)fluoranthene | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(k)fluoranthene | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(ghi)perylene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzo(a)pyrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzyl alcohol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| bis(2-Chloroethoxy)methane | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |

# Quality Control Report
## Blanks

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| bis(2-Chloroethyl)ether | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| bis(2-Ethylhexyl)phthalate | 2778 | 5546 | 198 | ug/L | 08/29/2006 | 08/31/2006 |
| bis(2-chloroisopropyl)ether | 2778 | 5546 | <5.0 | ug/L | 08/29/2006 | 08/31/2006 |
| 4-Bromophenyl phenyl ether | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Benzyl butyl phthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 4-Chloroaniline | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Chloronaphthalene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Chrysene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Dibenz(a,h)anthracene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Dibenzofuran | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,2-Dichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,3-Dichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,4-Dichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Diethyl phthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Dimethyl phthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4-Dinitrotoluene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,6-Dinitrotoluene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Di-n-octylphthalate | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Fluoranthene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Fluorene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Hexachlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Hexachlorocyclopentadiene | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Hexachloroethane | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Indeno(1,2,3-cd)pyrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Isophorone | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Naphthalene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Nitrobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| N-Nitrosodi-n-propylamine | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Phenanthrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Pyrene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| 1,2,4-Trichlorobenzene | 2778 | 5546 | <5 | ug/L | 08/29/2006 | 08/31/2006 |
| Surrogate: d5-Nitrobenzene | 2778 | 5546 | 85 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: 2-Fluorobiphenyl | 2778 | 5546 | 85 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: d14-Terphenyl | 2778 | 5546 | 87 | % | 08/29/2006 | 08/31/2006 |
| ACID COMPOUNDS (8Q) 8270 | | | | | | |
| 2-Chlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 4-Chloro-3-methylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Methylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| meta & para Methylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |

# Quality Control Report
## Blanks

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch Number | Run Batch Number | Blank Result | Units | Date Prepped | Date Analyzed |
|---|---|---|---|---|---|---|
| Benzoic acid | 2778 | 5546 | <50 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4-Dichlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4-Dimethylphenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Methyl-4,6-dinitrophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2-Nitrophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Pentachlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Phenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4,5-Trichlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| 2,4,6-Trichlorophenol | 2778 | 5546 | <10 | ug/L | 08/29/2006 | 08/31/2006 |
| Surrogate: d6-Phenol | 2778 | 5546 | 84 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: 2-Fluorophenol | 2778 | 5546 | 78 | % | 08/29/2006 | 08/31/2006 |
| Surrogate: Tribromophenol | 2778 | 5546 | 89 | % | 08/29/2006 | 08/31/2006 |
| PCB's M 8082, Aqueous | | | | | | |
| Aroclor 1016 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1221 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1232 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1242 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1248 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1254 | 1972 | 803 | <0.30 | ug/L | 08/30/2006 | 09/05/2006 |
| Aroclor 1260 | 1972 | 803 | <0.20 | ug/L | 08/30/2006 | 09/05/2006 |
| Surrogate: DCB | 1972 | 803 | n/a | % | 08/30/2006 | 09/05/2006 |
| Surrogate: TCX | 1972 | 803 | 85 | % | 08/30/2006 | 09/05/2006 |

# Quality Control Report
## Laboratory Control Standard

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


| Analyte | Prep Batch No. | Run Batch No. | Date Analyzed | LCS True Conc | LCS Found Conc | LCS % Rec |
|---|---|---|---|---|---|---|
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Xylenes, Total | | 9278 | 09/03/2006 | 60 | 56.6 | 94 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | |
| Benzene | | 9279 | 09/05/2006 | 20 | 20.6 | 103 |
| Chlorobenzene | | 9279 | 09/05/2006 | 20 | 19.1 | 96 |
| 1,1-Dichloroethene | | 9279 | 09/05/2006 | 20 | 19.7 | 98 |
| Ethylbenzene | | 9279 | 09/05/2006 | 20 | 19.5 | 98 |
| Toluene | | 9279 | 09/05/2006 | 20 | 20.4 | 102 |
| Trichloroethene | | 9279 | 09/05/2006 | 20 | 20.1 | 100 |
| Surr: 1,2-Dichloroethane-d4 | | 9279 | 09/05/2006 | 100 | 97 | 97 |
| Surr: Dibromofluoromethane | | 9279 | 09/05/2006 | 100 | 101 | 101 |
| Surr: Toluene-d8 | | 9279 | 09/05/2006 | 100 | 104 | 104 |
| Surr: 4-Bromofluorobenzene | | 9279 | 09/05/2006 | 100 | 97 | 97 |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | |
| Acenaphthene | 2778 | 5546 | 08/31/2006 | 50 | 45.7 | 91 |
| 1,4-Dichlorobenzene | 2778 | 5546 | 08/31/2006 | 50 | 31.4 | 63 |
| 2,4-Dinitrotoluene | 2778 | 5546 | 08/31/2006 | 50 | 51.5 | 103 |
| N-Nitrosodi-n-propylamine | 2778 | 5546 | 08/31/2006 | 50 | 48.2 | 96 |
| Pyrene | 2778 | 5546 | 08/31/2006 | 50 | 47.6 | 95 |
| 1,2,4-Trichlorobenzene | 2778 | 5546 | 08/31/2006 | 50 | 34.9 | 70 |
| Surrogate: d5-Nitrobenzene | 2778 | 5546 | 08/31/2006 | 100 | 88.1 | 88 |
| Surrogate: 2-Fluorobiphenyl | 2778 | 5546 | 08/31/2006 | 100 | 84.5 | 84 |
| Surrogate: d14-Terphenyl | 2778 | 5546 | 08/31/2006 | 100 | 89.7 | 90 |
| ACID COMPOUNDS (AQ) 8270 | | | | | | |
| 2-Chlorophenol | 2778 | 5546 | 08/31/2006 | 50 | 41.6 | 83 |
| 4-Chloro-3-methylphenol | 2778 | 5546 | 08/31/2006 | 50 | 48.5 | 97 |
| Pentachlorophenol | 2778 | 5546 | 08/31/2006 | 50 | 48.3 | 97 |
| Phenol | 2778 | 5546 | 08/31/2006 | 50 | 41.6 | 83 |
| Surrogate: d6-Phenol | 2778 | 5546 | 08/31/2006 | 200 | 162.0 | 81 |
| Surrogate: 2-Fluorophenol | 2778 | 5546 | 08/31/2006 | 200 | 154.0 | 77 |
| Surrogate: Tribromophenol | 2778 | 5546 | 08/31/2006 | 200 | 171.0 | 86 |
| PCB's M 3082, Aqueous | | | | | | |
| Aroclor 1016 | 1972 | 803 | 09/05/2006 | 1.0 | 1.03 | 103 |
| Aroclor 1260 | 1972 | 803 | 09/05/2006 | 1.0 | 1.20 | 120 |
| Surrogate: DCB | 1972 | 803 | 09/05/2006 | 100 | n/a | |
| Surrogate: TCX | 1972 | 803 | 09/05/2006 | 100 | 84 | 84 |

# Quality Control Report
## Matrix Spike/Matrix Spike Duplicate

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006


Matrix Spike/Matrix Spike Duplicate Samples may not be samples from this job.

| Analyte | Sample Number | Prep Batch Number | Run Batch Number | MS % Rec. | MSD % Rec. | RPD | Flags |
|---|---|---|---|---|---|---|---|
| VOLATILE COMPOUNDS - 8260 (AQ) 217321 | | | | | | | |

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## Notes & Comments

Laura Funk
WESTON SOLUTIONS
2566 Kohnle Drive
Miamisburg, OH 45342-3669

Job Number: 06.15339
Report Date: 09/06/2006
Page: 13 of 13

Sample: 218254

Analysis: DRO Fingerprint Scan

Although the sample was not an exact match to anything in our library, it had peaks from C10-C16 which is the Kerosene range and also a bump from C18-C38 in the Motor Oil range. It also had a high component of lighter compounds before C9.

QC 5339

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Dayton Division
3601 S. Dixie Drive
Dayton, OH 45439

Phone: 937-294-6856
Toll Free: 800-572-9839
Fax: 937-294-7816

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: LIESON SOLUTIONS INC. Client #: ____
Address: 2564 KOHLE DR.
City/State/Zip Code: MIAMISBURG OH 45342
Project Manager: LAURA FINK
Telephone Number: 937-384-4209 Fax: 937 384 4201
Sampler Name: (Print Name) T. SMITH
Sampler Signature: T. Smith

Project Name: TECH TOWN
Project #: ____
Site/Location ID: DAYTON State: OH
Report To: L. FINK
Invoice To: ____
Quote # ____ PO# ____

| TAT: Standard / Rush (surcharges may apply) — Date Needed: ____ — Fax Results: Y N — SAMPLE ID | Date Sampled | Time Sampled | G=Grab, C=Composite | Field Filtered | Matrix: SL-Sludge DW-Drinking Water GW-Groundwater S-Soil/Solid WW-Wastewater O-Other | Preservation & # of Containers: $HNO_3$ | HCl | NaOH | $H_2SO_4$ | MeOH | None | Other (Specify) | Analyze For: TPH FINK | VOC | SVOC | PCB | QC Deliverables: ___ None ___ Level 2 (Batch QC) ___ Level 3 ___ Level 4 Other: ____ — REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LC-R2906-01 | 8/29/06 | 1545 | X | | WW | | | | | | 1 | | X | | | | |
| LC-R2906-02 | | 1545 | X | | WW | | | | | | 1 | | | | X | | |
| LC-R2906-03 | | 1550 | X | | WW | | | | | | 1 | | | X | | | |
| LC-R2906-04 | | 1540 | X | | WW | | 3 | | | | | | | X | | | |
| LAST ITEM | | | | | | | | | | | | | | | | | |

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 15.0° on ice direct from field
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: UPS

| | Date: | Time: | | Date: | Time: |
|---|---|---|---|---|---|
| Relinquished By: T. Smith | 8/29/06 | 1620 | Received By: | 8-29-06 | 16:20 |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 9 2010

REPLY TO THE ATTENTION OF:
L-8J

Chris Lipson, Senior Development Specialist
City of Dayton, City Hall
Office of Economic Development
101 West Third St.
Dayton, Ohio 45401

RE: Conditional Approval for Remediation of Polychlorinated Biphenyls at City of Dayton, Ohio - Tech Town site

Dear Mr. Lipson:

The U.S. Environmental Protection Agency, Region 5, conditionally approves a Work Plan dated August 25, 2010, for Risk-Based Management of Polychlorinated Biphenyls (PCBs) Contaminated Material, submitted by Weston Solutions, Inc., on behalf of the City of Dayton, Ohio. The Region 5 Brownfields program participated in the planning stages of this PCB remediation project; in part, this project is funded by the American Recovery and Reinvestment Act (ARRA). The notification and request for approval were evaluated under Section 6 of the Toxic Substances Control Act (TSCA), 15 U.S.C. §.2605, and the federal PCB regulations at 40 CFR§761.61(c). In accordance with these sections, EPA will approve a risk-based disposal application if it finds that the proposed method will not pose an unreasonable risk of injury to health or the environment. The authority to approve such methods has been delegated to the Director of the Land and Chemicals Division, EPA Region 5.

Weston Solutions' work plan describes removal activities proposed for four Areas of Interest (AOIs) at the Tech Town site. These include AOI 36 (Building 15 T-Trench); AOI 47 (Building 12B T-Trench); AOI 48 (Underground Storage Tank no. 3); and AOI 44 (Building 12B lead contamination). Additionally, a concrete slab overlying contaminated gravel containing up to 27 parts per million total Aroclor PCBs situated at the southern end of AOI 36, will be left in place, without removal. A highly conservative human health risk assessment incorporated into the work plan affirmed that leaving T-Trench materials at the southern end of AOI 36 would not result in unreasonable risks to human health. Accordingly, we concur that removal of certain contaminated materials at all four AOI's, coupled with controlled management of T-Trench materials remaining at the southern portion of AOI 36, will not present an unreasonable risk of injury to health or the environment.

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (50% Postconsumer)

It is a condition of this Approval that City of Dayton shall institute proper and appropriate restrictions and environmental controls to protect site workers and other visitors to the former Building 15 area. It is our understanding that at conclusion of site-wide remediation, under Ohio Revised Code Chapter 3746 as detailed in Ohio Administrative Code 3745-300, an Environmental Covenant will be prepared, incorporating elements specific to the Building 15 T-Trench area.

Site management will include land use restrictions limiting the property to a commercial/industrial use category. Groundwater use restrictions shall be imposed at the site. The concrete slab itself, left in place, will be covered with several feet of clean fill and paved over with asphalt, constituting a driveway. This barrier system should be appropriately maintained per an Operation and Maintenance plan, to be prepared. Subsequent to driveway installation, there are no plans for other localized procedures for any workers who must excavate or disturb soil within vicinity of the southern Building 15 T-Trench.

This approval is effective as of the date of this letter. The City of Dayton must receive prior written authorization from EPA for any departure from the conditions of this PCB approval or the provisions of the work plan. This approval does not relieve the City of Dayton from compliance with any other federal, state or local regulation and does not preclude EPA from initiating any enforcement action, including an action seeking civil penalties for any violation of federal regulations. All conditions of this approval and other applicable requirements of TSCA and its regulations will continue to apply to the site after construction and redevelopment activities are completed at the Tech Town site.

If you have any further questions, please contact either Peter Ramanauskas at (312) 886-7890 or Allen Debus at (312) 886-6186, of my staff.

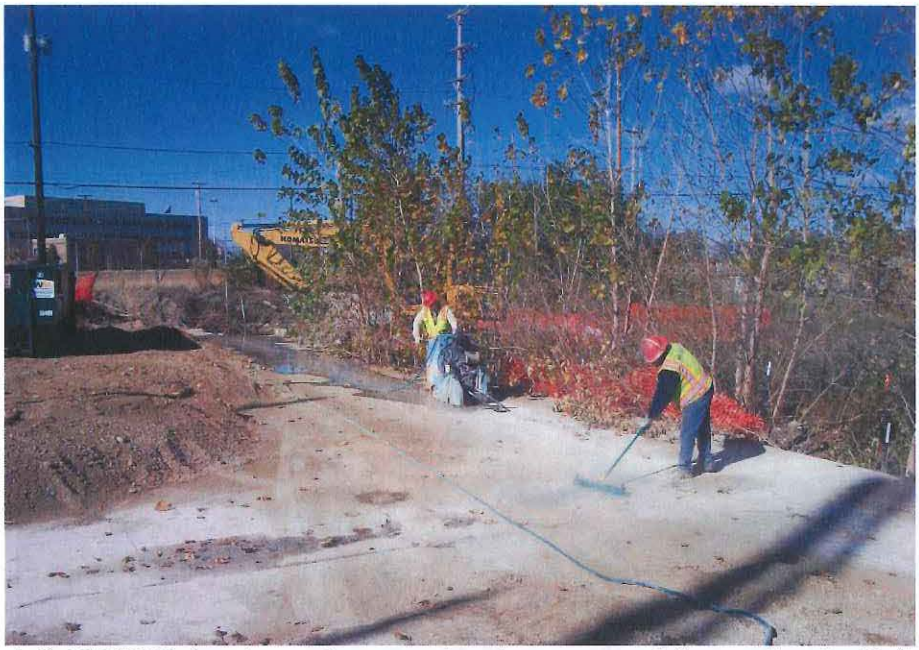
Sincerely,

Bruce F. Sypniewski
Acting Director
Land and Chemicals Division

Cc: Laura Funk, Weston Solutions, Inc.

# APPENDIX B
# PHOTOGRAPHIC DOCUMENTATION

**Photograph 1**: The north opening of the Building 15 T-Trench covered by plywood prior to remediation activities; view looking south



**Photograph 2**: RECON cleaning and saw-cutting the concrete slab covering the Building 15 T-Trench; view looking northwest

**Photograph 3**: RECON cutting concrete slab on top of Building 15 T-Trench; view looking southeast

**Photograph 4**: Excavator removing concrete slab overlying the Building 15 T-Trench; view looking northwest

**Photograph 5**: Opening in the top of the Building 15 T-Trench showing pea gravel inside; view looking east

**Photograph 6**: Excavator removing sludge and pea gravel from the Building 15 T-Trench; view looking east

**Photograph 7**: RECON cleaning steel liner inside the Building 15 T-Trench; view looking northwest

**Photograph 8**: RECON cutting steel liner in the north portion of the Building 15 T-Trench; view looking north

**Photograph 9**: Exposed concrete wall behind steel liner in Building 15 T-Trench prior to cleaning; view looking southeast

**Photograph 10**: RECON power washing a concrete wall in the Building 15 T-Trench; view looking south

**Photograph 11**: Washed concrete wall and floor in the south end of the Building 15 T-Trench; view looking down

**Photograph 12**: RECON excavating concrete and soil in the north end of the Building 15 T-Trench; view looking northwest

**Photograph 13**: Soil excavation in north portion of the Building 15 T-Trench; view looking southeast

**Photograph 1**: Location of the Building 12B Lead Contamination area prior to remediation activities; view looking east

**Photograph 2**: Initial excavation of the Building 12B Lead Contamination area; view looking north

**Photograph 3**: Continued excavation of the Building 12B Lead Contamination area; view looking southwest

**Photograph 4:** Building 12B Lead Contamination area after excavation; view looking west

**Photograph 1**: Saw-cut outline of the Building 12B T-Trench; view looking south

**Photograph 2**: RECON removing soil and gravel from the Building 12B T-Trench with a backhoe; view looking northwest

**Photograph 3**: North end of the Building 12B T-Trench with steel liner exposed after the removal of overlying concrete; view looking south

**Photograph 4**: South end of the Building 12B T-Trench with steel liner exposed after the removal of the overlying concrete; view looking south

**Photograph 5**: RECON removing the steel liner from the Building 12B T-Trench; view looking south

**Photograph 6**: Building 12B T-Trench with underlying concrete exposed after the removal of the overlying steel liner; view looking north

**Photograph 7**: South end of the Building 12B T-Trench with underlying concrete exposed after the removal of the overlying steel liner; view looking southwest

**Photograph 1**: Location of the Building 12B UST No. 3 prior to removal; view looking southwest

**Photograph 2**: RECON removing the Building 12B UST No. 3 and placing it onto a polystyrene sheett; view looking west

**Photograph 3**: Building 12B UST No. 3 excavation adjacent to slab concrete; view looking west

**Photograph 4**: RECON inspecting the interior of the Building 12B UST No. 3; view looking southwest

**Photograph 5**: Interior of the Building 12B UST No. 3; view looking north

**Photograph 6**: Hole present in the bottom of the Building 12B UST No. 3; view looking southwest

**Photograph 7**: RECON cutting apart the Building 12B UST No. 3 prior to disposal; view looking west

**Photograph 8**: Soil stockpile from the Building 12B UST No. 3 excavation; view looking north

**Photograph 9**: Backfilled Building 12B UST No. 3 excavation; view looking east

# APPENDIX C
# WASTE PROFILES AND MANIFESTS

# Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: Stoney Hollow, Dayton, OH  Profile Number: _____

☐ Renewal for Profile Number: _____  Waste Approval Expiration Date: _____

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

## A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: City of Dayton
2. Site Address: 300 Taylor St  7. Email Address: _____
3. City/ZIP: Dayton 45402  8. Phone: 937-333-3820  9. FAX: 937-333-4266
4. State: OH  10. NAICS Code: 926110
5. County: Montgomery  11. Generator USEPA ID #: OHD017958604
6. Contact Name/Title: Chris Lipson-Sr Economic Development  12. State ID# (if applicable): _____

## B. Customer Information ☐ same as above

P. O. Number: _____

1. Customer Name: Remedial Construction Services, L.P.  6. Phone: 859-746-1140 xt 103  FAX: 859-746-1096
2. Billing Address: 9720 Derrington  7. Transporter Name: Tonawanda or other
3. City, State and ZIP: Houston, TX 77064  8. Transporter ID # (if appl.): _____
4. Contact Name: John Hlavacek or Craig Duston  9. Transporter Address: _____
5. Contact Email: john.hlavacek@reconservices.com  10. City, State and ZIP: _____

## C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: Broken concrete and metal debris

State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

Demolition of industrial facility concrete slabs/foundations.

c. Typical Color(s): Grey

d. Strong Odor? ☐ Yes ☑ No Describe: _____

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☐ Single layer ☐ Multi- layer ☑ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)

i. pH Range: _____ to _____ ☑ NA(solid)

j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☑ NA(solid)

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

| Constituents (Total Composition Must be ≥ 100%) | Lower Range | Unit of Measure | Upper Range | Unit of Measure |
|---|---|---|---|---|
| 1. Concrete | 90 | % | 100 | % |
| 2. Metal debris | 0 | % | 10 | % |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 300 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: 300 Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Less than 50 ppm PCB's

©2010 Waste Management, Inc.

**Generator's Non-hazardous Waste Profile Sheet**

## D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
   a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
   b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   ☐ Delisted Hazardous Waste ☐ Excluded Wastes Under 40CFR 261.4
   ☐ Treated Hazardous Waste Debris ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☑ Yes ☐ No
   (If yes, list in Chemical Composition - C.1.l)
   a. If yes, are the PCBs regulated by 40 CFR 761? ☑ Yes ☐ No
   b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☑ No being done
   c. If yes, were the PCBs imported into the US? ☐ Yes ☐ No under 761.61(c)
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No
   a. If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

## E. Generator Certifcation (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
   ☑ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: PCB's--see attached Test America analyses # Pages: 14
   ☐ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   ☐ c. Additional information necessary to characterize the profiled waste has been attached (other then analytical, such as MSDS). Indicate the number of attached pages: _____
   ☐ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification Signature: Chris Lipson Title: Senior Development Specialist

Company Name: City of Dayton Name (Print): Chris Lipson

Date: 10-19-10

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# NON-HAZARDOUS WASTE MANIFEST

NO. 440404

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill:937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 4N785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 1094590H | Broken concrete and metal debris | 20 cu yds | Gross Wt. |
| Exp Dt. 10/26/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Randy Mclean for City of Dayton Date: 11/8/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440405

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill:937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 411785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 109459OH | Broken concrete and metal debris | 15 cu yds | Gross Wt. |
| Exp Dt. 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Brad Nelson for City of Dayton

Date: 11/8/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440406

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill:937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 411785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 109459OH | Broken concrete and metal debris | 17 cu yds | Gross Wt. |
| Exp Dt: 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Bonnie Miller For City of Dayton Date: 11/9/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440407

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill:937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 411785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 109459OH | Broken concrete and metal debris | 18 cu. yds | Gross Wt. |
| Exp Dt. 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Brad McLaur for City of Dayton

Date: 11/9/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440408

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill:937-268-4133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 4/11785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 109459OH | Broken concrete and metal debris | 20 cu yds | Gross Wt. |
| Exp Dt 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Randy Milam for City of Dayton Date: 11/10/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440409

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill 937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 4/1785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 1094590H | Broken concrete and metal debris | 17 cu yds | Gross Wt. |
| Exp Dt. 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Brad Spitzer for City of Dayton Date: 10/11/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440410

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill:937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 411785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 1004590H | Broken concrete and metal debris | 15 cu yds | Gross Wt. |
| Exp Dt. 10/26/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Brad Mclean for City of Dayton Date: 11/11/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440411

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill 937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 411785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 1084590H | Broken concrete and metal debris | 10 cy, yds. | Gross Wt. |
| Exp Dt: 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Bond Miller for City of Dayton

Date: 11/11/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440412

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill;937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 411785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 109459OH | Broken concrete and metal debris | 15 cu. yds | Gross Wt. |
| Exp Dt. 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: [signature] For City of Dayton Date: 11/23/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440413

GENERATOR:

City of Dayton (TECH TOWN)

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill 937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 172470

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 1094590H | Broken concrete and metal debris | 20 CU YDS | Gross Wt. |
| Exp Dt. 10/25/2011 | | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: Sonya Smith FOR CITY OF DAYTON

Date: 11/29/10

# NON-HAZARDOUS WASTE MANIFEST

NO. 440414

GENERATOR:

City of Dayton

300 Taylor Street

Dayton, OH 45402

DELIVER TO:

Stony Hollow Landfill:937-268-1133

2460 S Gettysburg Ave.

Dayton, OH 45417

Carrier: WM

Vehicle No.: 411785

Company Responsible for Disposal Charges:

City of Dayton

| Profile No. | Name of Waste Stream | Apx. Volume | Act. Weights |
|---|---|---|---|
| 109459OH | Broken concrete and metal debris | 20 cu yds | Gross Wt. |
| Exp Dt. 10/25/2011 | BRUSH | | Tare Wt. |
| | | | Net Wt. |
| County: Montgomery | | | |

Generator Signature: [signature] FOR CITY OF DAYTON

Date: 12/29/10

# WASTE CHARACTERIZATION REPORT

Tracking #_____

× *I authorize EQ – The Environmental Quality Company to choose the appropriate facility and method of waste management from the technologies offered at the EQ facilities identified below.*

| | | |
|---|---|---|
| ☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment) | 49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # MID 000 724 831 |
| ☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & PCB Waste Landfill) | 49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # MID 048 090 633 |
| ☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment) | 1923 Frederick Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-923-3375 | EPA ID # MID 980 991 566 |
| ☐ **EQ Ohio (Envirite of Ohio)** (Stabilization and Treatment) | 2050 Central Avenue, SE, Canton, OH 44707 Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # OHD 980 568 992 |
| ☐ **EQ Pennsylvania (Envirite of Pennsylvania)** (Stabilization and Treatment) | 730 Vogelsong Road, York,PA 17404 Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # PAD 010 154 045 |
| ☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment) | 36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033 | EPA ID # MID 060 975 844 |
| ☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning) | 7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842 | EPA ID # FLD 981 932 494 |
| ☐ **EQ Transfer & Processing** (Drum Transfer/Universal Waste Handling) | 2000 Ferry Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-922-8419 | EPA ID # MIK 939 928 313 |
| ☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing) | 4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170 | EPA ID # IND 161 049 309 |
| ☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing) | 5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560 | EPA ID # GAR 000 039 776 |
| ☐ **EQ Augusta, Inc.** (Wastewater Treatment) | 3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124 | EPA ID # GAR 000 011 817 |

***Please note, this profile should not be used for wastes destined to EQ Illinois (Envirite of Illinois). For more information, please contact our National Service Center at (800)592-5489.***

**Waste Common Name:** PCB Concrete and Debris

## *Section 1 – Generator & Customer Information*

SIC/NAICS* 926110

**Generator EPA ID #** OHD017958604

Generator City of Dayton

Facility Address 300 Taylor St

City Dayton State OH Zip 45402

County Montgomery

**Mailing Address** 101 West Third St, Suite #430

City Dayton State OH Zip 45402

**Generator Contact** Chris Lipson

Title Senior Economic Development Specialist

Phone 937-333-3820 Fax 937-333-4266

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

***Internal Use Only: EQ Division*** _____

EQ Customer No. _____

**Invoicing Company** Remedial Construction Services, L.P.

Address 9720 Derrington St

City Houston State TX Zip 77064

Country US

**Invoicing Contact** John Hlavacek

Phone 713-732-1140 Fax _____

**Technical Contact** John Hlavacek

Phone 713-732-1140 Fax _____

Mobile _____ Pager _____

E-mail john.hlavacek@reconservices.com

## *Section 2 – Shipping & Packaging Information*

2.1) Shipping Volume & Frequency 500 ton

x One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name UN2315, Polychlorinated Biphenyls, Solid, 9, PGII

2.3) Is this waste surcharge exempt? ☐ Yes × No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)

x Bulk Solid (Ton >2000 lbs/yd³)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☐ Drums, Size _____

☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs /cubic yard. If waste density is greater than 2,000 lbs /cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.


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## *Section 3 – Physical Characteristics*

3.1) Color Grey/Brown 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☐ No

| | | | | | |
|---|---|---|---|---|---|
| 3.4) Physical State at 70°F: | × Solid | ☐ Dust/Powder | ☐ Liquid | ☐ Sludge | |
| 3.5) What is the pH of this waste? | ☐ ≤2 | ☐ 2.1-4.9 | × 5-10 | ☐ 10.1-12.4 | ☐ ≥12.5 |
| 3.6) What is the flash point of this waste? | ☐ <90°F | ☐ 90-140°F | ☐ 140-199°F | × >200°F | |
| 3.7) Does this waste contain? (check all that apply) | | × None | ☐ Free Liquids | ☐ Oily Residue | ☐ Metal Fines |
| ☐ Biodegradable Sorbants | ☐ Amines | ☐ Ammonia | ☐ Water Reactive | ☐ Biohazard | ☐ Aluminum |
| ☐ Shock Sensitive Waste | ☐ Reactive Waste | ☐ Radioactive Waste | ☐ Explosives | ☐ Pyrophoric Waste | ☐ Isocyanates |
| ☐ Asbestos – non-friable | ☐ Asbestos – friable | ☐ Dioxins | ☐ Furans | | |

## *Section 4 – Waste Composition and Generating Process*

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

| | | | |
|---|---|---|---|
| Soil/Gravel | 0 to 20 % | Debris/PPE/Activated Carbon | 0 to 10 % |
| Concrete | 60 to 90 % | Scrap Metal | 5 to 15 % |
| | | **Total:** | **100%** |

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Site remediation of soils/trenches of former manufacturing facility. See EPA approved Work Plan for further details.

## *Section 5 – Is This Hazardous Waste?*

*Please refer to Section 5 of the EQ Resource Guide for a list of waste codes*

| **As determined by 40 CFR, Part 261 and State Rules:** | | | **Please list applicable waste code(s):** |
|---|---|---|---|
| 5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? | ☐ Yes | × No | |
| 5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? | ☐ Yes | × No | |
| 5.3) Do any State Hazardous Waste Codes apply? | × Yes | ☐ No | PCB1 |
| 5.4) Is this waste intended for wastewater treatment? | ☐ Yes* | × No | |

***If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.***

## *Section 6 – Hazardous Wastes*

| | | |
|---|---|---|
| 6.1) Does this waste exceed Land Disposal Restriction levels? | ☐ Yes | × No |
| 6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? | ☐ Yes | × No |
| 6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) | ☐ Yes | × No |
| 6.2) Is the waste an oxidizer (D001)? | ☐ Yes | × No |
| 6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? | ☐ Yes | × No |
| 6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? | ☐ Yes | × No |

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

**Based On:** × **Generator Knowledge** ☐ **Analysis*** ☐ **MSDS***
***Please attach a copy. Analysis or MSDS are required for EQFL Non-hazardous wastes.**

| Code | | Regulatory Level TCLP (mg/l) | Concentration (if above) | Code | | Regulatory Level TCLP (mg/l) | Concentration (if above) |
|---|---|---|---|---|---|---|---|
| D004 | Arsenic | 5 | × Below ☐ Above | D024 | m-Cresol | 200 | × Below ☐ Above |
| D005 | Barium | 100 | × Below ☐ Above | D025 | p-Cresol | 200 | × Below ☐ Above |
| D006 | Cadmium | 1 | × Below ☐ Above | D026 | Cresols | 200 | × Below ☐ Above |
| D007 | Chromium | 5 | × Below ☐ Above | D027 | 1,4-Dichlorobenzene | 7.5 | × Below ☐ Above |
| D008 | Lead | 5 | × Below ☐ Above | D028 | 1,2-Dicholoroethane | 0.5 | × Below ☐ Above |
| D009 | Mercury | 0.2 | × Below ☐ Above | D029 | 1,1-Dichloroethylene | 0.7 | × Below ☐ Above |
| D010 | Selenium | 1 | × Below ☐ Above | D030 | 2,4-Dinitrotoluene | 0.13 | × Below ☐ Above |
| D011 | Silver | 5 | × Below ☐ Above | D031 | Heptachlor | 0.008 | × Below ☐ Above |
| D012 | Endrin | 0.02 | × Below ☐ Above | D032 | Hexachlorobenzene | 0.13 | × Below ☐ Above |
| D013 | Lindane | 0.4 | × Below ☐ Above | D033 | Hexachlorobutadiene | 0.5 | × Below ☐ Above |
| D014 | Methoxychlor | 10 | × Below ☐ Above | D034 | Hexachloroethane | 3.0 | × Below ☐ Above |
| D015 | Toxaphene | 0.5 | × Below ☐ Above | D035 | Methyl Ethyl Ketone | 200 | × Below ☐ Above |
| D016 | 2,4-D | 10 | × Below ☐ Above | D036 | Nitrobenzene | 2 | × Below ☐ Above |
| D017 | 2,4,5-TP (Silvex) | 1 | × Below ☐ Above | D037 | Pentachlorophenol | 100 | × Below ☐ Above |
| D018 | Benzene | 0.5 | × Below ☐ Above | D038 | Pyridine | 5 | × Below ☐ Above |
| D019 | Carbon Tetrachloride | 0.5 | × Below ☐ Above | D039 | Tetrachloroethylene | 0.7 | × Below ☐ Above |
| D020 | Chlordane | 0.03 | × Below ☐ Above | D040 | Trichloroethylene | 0.5 | × Below ☐ Above |
| D021 | Chlorobenzene | 100 | × Below ☐ Above | D041 | 2,4,5-Trichlorophenol | 400 | × Below ☐ Above |
| D022 | Chloroform | 6.0 | × Below ☐ Above | D042 | 2,4,6-Trichlorophenol | 2 | × Below ☐ Above |
| D023 | o-Cresol | 200 | × Below ☐ Above | D043 | Vinyl Chloride | 0.2 | × Below ☐ Above |

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes × No
If yes, please list the constituents in Section 11

## Section 7 – Non-Hazardous Wastes

*For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide*

| | | | Please list applicable waste code: |
|---|---|---|---|
| 7.1) Is this a Michigan non-hazardous liquid industrial waste? | ☐ Yes | × No | |
| 7.2) Is this a Universal waste? | ☐ Yes | × No | |
| 7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) | ☐ Yes | × No | |
| 7.4) Is this waste a recoverable petroleum product? | ☐ Yes* | × No | |
| 7.5) Is this waste used oil as defined by 40 CFR Part 279? | ☐ Yes* | × No | |

***If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.***

## Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☐ None ☐ 0-5 ppm ☐ 6-49 ppm × 50-499 ppm ☐ 500+ ppm

8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? × Yes ☐ No

***If you answered "no" to 8.1 and 8.2, please skip to Section 9.***

8.3) Has this waste been processed into a non-liquid form? ☐ Yes × No

If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm

8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? × Yes ☐ No

8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes × No

8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? × N/A ☐ Yes ☐ No

## Section 9 – Clean Air Act Information

| NESHAP SIC* | | |
|---|---|---|
| 2812 | 2836 | 2875 |
| 2813 | 2841 | 2879 |
| 2816 | 2842 | 2891 |
| 2819 | 2843 | 2892 |
| 2821 | 2844 | 2893 |
| 2822 | 2851 | 2895 |
| 2823 | 2861 | 2899 |
| 2824 | 2865 | 2911 |
| 2833 | 2869 | 3312 |
| 2834 | 2873 | 4953 |
| 2835 | 2874 | 9511 |

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes × No

(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)

*For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide*

9.2) Is the site, or waste, subject to any other MACT or NESHAP? ☐ Yes, please specify: _____ × No

9.3) Does this waste stream contain Benzene? ☐ Yes × No

***If you answered "no" to 9.3, please skip to Section 10.***

9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the Benzene NESHAP identified in 40 CFR 61, Subpart FF? ☐ Yes ☐ No

9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.

***If you answered "no" to question 9.4 and 9.5, please skip to Section 10.***

9.6) Does the waste contain >10% water? ☐ Yes ☐ No

9.7) What is the TAB quantity for your facility? _____ Mg/Year

9.8) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No

9.9) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw

***(Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)***

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

## Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* × No

*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____

10.2) Is this waste intended for reclamation? ☐ Yes ☐ No (5-Gallon Sample required for all reclaim waste streams)

## Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

| Constituent | Concentration | UHC? | Constituent | Concentration | UHC? |
|---|---|---|---|---|---|
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |

*Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65*

## Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Chr Lipson Printed Name Chris Lipson

Company City of Dayton Title Senior Dev. Spec. Date 10-19-10

*The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.*

# WASTE CHARACTERIZATION REPORT

Tracking #_____

× *I authorize EQ – The Environmental Quality Company to choose the appropriate facility and method of waste management from the technologies offered at the EQ facilities identified below.*

| | | | |
|---|---|---|---|
| ☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment) | 49350 N. I-94 Service Drive, Belleville, MI 48111<br>Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # MID 000 724 831 |
| ☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & PCB Waste Landfill) | 49350 N. I-94 Service Drive, Belleville, MI 48111<br>Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # MID 048 090 633 |
| ☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment) | 1923 Frederick Street, Detroit, MI 48211<br>Phone: 313-923-0080 Fax: 313-923-3375 | EPA ID # MID 980 991 566 |
| ☐ **EQ Ohio (Envirite of Ohio)** (Stabilization and Treatment) | 2050 Central Avenue, SE, Canton, OH 44707<br>Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # OHD 980 568 992 |
| ☐ **EQ Pennsylvania (Envirite of Pennsylvania)** (Stabilization and Treatment) | 730 Vogelsong Road, York,PA 17404<br>Phone: 800-592-5489 Fax: 800-592-5329 | EPA ID # PAD 010 154 045 |
| ☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment) | 36345 Van Born Road, Romulus, MI 48174<br>Phone: 866-373-8357 Fax: 734-326-4033 | EPA ID # MID 060 975 844 |
| ☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning) | 7202 East 8th Ave, Tampa, FL 33619<br>Phone: 813-623-5463 Fax: 813-628-0842 | EPA ID # FLD 981 932 494 |
| ☐ **EQ Transfer & Processing** (Drum Transfer/Universal Waste Handling) | 2000 Ferry Street, Detroit, MI 48211<br>Phone: 313-923-0080 Fax: 313-922-8419 | EPA ID # MIK 939 928 313 |
| ☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing) | 4000 West 10th Street, Indianapolis, IN 46222<br>Phone: 317-247-7160 Fax: 317-247-7170 | EPA ID # IND 161 049 309 |
| ☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing) | 5600 Fulton Industrial Blvd SW, Atlanta, GA 30336<br>Phone: 404-494-3520 Fax: 404-494-3560 | EPA ID # GAR 000 039 776 |
| ☐ **EQ Augusta, Inc.** (Wastewater Treatment) | 3920 Goshen Industrial Blvd, Augusta, GA 30906<br>Phone: 706-771-9100 Fax: 706-771-9124 | EPA ID # GAR 000 011 817 |

***Please note, this profile should not be used for wastes destined to EQ Illinois (Envirite of Illinois). For more information, please contact our National Service Center at (800)592-5489.***

**Waste Common Name:** PCB Soil and Debris

## *Section 1 – Generator & Customer Information*

SIC/NAICS* 926110

**Generator EPA ID #** OHD017958604

Generator City of Dayton

Facility Address 300 Taylor St

City Dayton State OH Zip 45402

County Montgomery

**Mailing Address** 101 West Third St, Suite #430

City Dayton State OH Zip 45402

**Generator Contact** Chris Lipson

Title Senior Economic Development Specialist

Phone 937-333-3820 Fax 937-333-4266

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide

***Internal Use Only: EQ Division*** _____

EQ Customer No _____

**Invoicing Company** Remedial Construction Services, L.P.

Address 9720 Derrington St

City Houston State TX Zip 77064

Country US

**Invoicing Contact** John Hlavacek

Phone 713-732-1140 Fax _____

**Technical Contact** John Hlavacek

Phone 713-732-1140 Fax _____

Mobile _____ Pager _____

E-mail john.hlavacek@reconservices.com

## *Section 2 – Shipping & Packaging Information*

2.1) Shipping Volume & Frequency 500 ton

x One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name UN2315, Polychlorinated Biphenyls, Solid, 9, PGII

2.3) Is this waste surcharge exempt? ☐ Yes × No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide

2.4) Packaging **(check all that apply)**

☐ Bulk Solid ($Yd^3$ < 2000 lbs/$yd^3$)

x Bulk Solid (Ton >2000 lbs/$yd^3$)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☐ Drums, Size _____

☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs /cubic yard. If waste density is greater than 2,000 lbs /cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container


© EQ-The Environmental Quality Company

## Section 3 – Physical Characteristics

3.1) Color Grey/Brown 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☐ No

| | | | | | |
|---|---|---|---|---|---|
| 3.4) Physical State at 70°F: | × Solid | ☐ Dust/Powder | ☐ Liquid | ☐ Sludge | |
| 3.5) What is the pH of this waste? | ☐ ≤2 | ☐ 2.1-4.9 | ☐ 5-10 | ☐ 10.1-12.4 | ☐ ≥12.5 |
| 3.6) What is the flash point of this waste? | ☐ <90°F | ☐ 90-140°F | ☐ 140-199°F | × >200°F | |
| 3.7) Does this waste contain? **(check all that apply)** | | ×None | ☐ Free Liquids | ☐ Oily Residue | ☐ Metal Fines |
| ☐ Biodegradable Sorbants | ☐ Amines | ☐ Ammonia | ☐ Water Reactive | ☐ Biohazard | ☐ Aluminum |
| ☐ Shock Sensitive Waste | ☐ Reactive Waste | ☐ Radioactive Waste | ☐ Explosives | ☐ Pyrophoric Waste | ☐ Isocyanates |
| ☐ Asbestos – non-friable | ☐ Asbestos – friable | ☐ Dioxins | ☐ Furans | | |

## Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Gravel 50 to 95 %

Soil 0 to 30 %

Debris/PPE/Activated Carbon 0 to 10 %

to %

**Total: 100%**

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Site remediation of soils/trenches of former manufacturing facility. See EPA approved Work Plan for further details.

## Section 5 – Is This Hazardous Waste?

*Please refer to Section 5 of the EQ Resource Guide for a list of waste codes*

| **As determined by 40 CFR, Part 261 and State Rules:** | | | **Please list applicable waste code(s):** |
|---|---|---|---|
| 5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? | ☐ Yes | × No | |
| 5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? | ☐ Yes | ×No | |
| 5.3) Do any State Hazardous Waste Codes apply? | × Yes | ☐ No | PCB1 |
| 5.4) Is this waste intended for wastewater treatment? | ☐ Yes* | × No | |

***If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.***

## Section 6 – Hazardous Wastes

| | | |
|---|---|---|
| 6.1) Does this waste exceed Land Disposal Restriction levels? | ☐ Yes | ×No |
| 6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? | ☐ Yes | ×No |
| 6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) | ☐ Yes | × No |
| 6.2) Is the waste an oxidizer (D001)? | ☐ Yes | ×No |
| 6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? | ☐ Yes | ×No |
| 6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? | ☐ Yes | ×No |

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

**Based On:** ☐ **Generator Knowledge** × **Analysis*** ☐ **MSDS***

***Please attach a copy. Analysis or MSDS are required for EQFL Non-hazardous wastes.**

| Code | | Regulatory Level TCLP (mg/l) | Concentration (if above) |
|---|---|---|---|
| D004 | Arsenic | 5 | × Below ☐ Above |
| D005 | Barium | 100 | × Below ☐ Above |
| D006 | Cadmium | 1 | ×Below ☐ Above |
| D007 | Chromium | 5 | × Below ☐ Above |
| D008 | Lead | 5 | × Below ☐ Above |
| D009 | Mercury | 0.2 | ×Below ☐ Above |
| D010 | Selenium | 1 | ×Below ☐ Above |
| D011 | Silver | 5 | ×Below ☐ Above |
| D012 | Endrin | 0.02 | ×Below ☐ Above |
| D013 | Lindane | 0.4 | ×Below ☐ Above |
| D014 | Methoxychlor | 10 | ×Below ☐ Above |
| D015 | Toxaphene | 0.5 | ×Below ☐ Above |
| D016 | 2,4-D | 10 | ×Below ☐ Above |
| D017 | 2,4,5-TP (Silvex) | 1 | ×Below ☐ Above |
| D018 | Benzene | 0.5 | ×Below ☐ Above |
| D019 | Carbon Tetrachloride | 0.5 | ×Below ☐ Above |
| D020 | Chlordane | 0.03 | ×Below ☐ Above |
| D021 | Chlorobenzene | 100 | ×Below ☐ Above |
| D022 | Chloroform | 6.0 | ×Below ☐ Above |
| D023 | o-Cresol | 200 | ×Below ☐ Above |

| Code | | Regulatory Level TCLP (mg/l) | Concentration (if above) |
|---|---|---|---|
| D024 | m-Cresol | 200 | ×Below ☐ Above |
| D025 | p-Cresol | 200 | ×Below ☐ Above |
| D026 | Cresols | 200 | ×Below ☐ Above |
| D027 | 1,4-Dichlorobenzene | 7.5 | ×Below ☐ Above |
| D028 | 1,2-Dicholoroethane | 0.5 | ×Below ☐ Above |
| D029 | 1,1-Dichloroethylene | 0.7 | ×Below ☐ Above |
| D030 | 2,4-Dinitrotoluene | 0.13 | ×Below ☐ Above |
| D031 | Heptachlor | 0.008 | ×Below ☐ Above |
| D032 | Hexachlorobenzene | 0.13 | × Below ☐ Above |
| D033 | Hexachlorobutadiene | 0.5 | ×Below ☐ Above |
| D034 | Hexachloroethane | 3.0 | ×Below ☐ Above |
| D035 | Methyl Ethyl Ketone | 200 | ×Below ☐ Above |
| D036 | Nitrobenzene | 2 | ×Below ☐ Above |
| D037 | Pentachlorophenol | 100 | × Below ☐ Above |
| D038 | Pyridine | 5 | × Below ☐ Above |
| D039 | Tetrachloroethylene | 0.7 | ×Below ☐ Above |
| D040 | Trichloroethylene | 0.5 | ×Below ☐ Above |
| D041 | 2,4,5-Trichlorophenol | 400 | ×Below ☐ Above |
| D042 | 2,4,6-Trichlorophenol | 2 | ×Below ☐ Above |
| D043 | Vinyl Chloride | 0.2 | ×Below ☐ Above |

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes × No

If yes, please list the constituents in Section 11.

## Section 7 – Non-Hazardous Wastes

*For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide*

| | | | Please list applicable waste code: |
|---|---|---|---|
| 7.1) Is this a Michigan non-hazardous liquid industrial waste? | ☐ Yes | × No | |
| 7.2) Is this a Universal waste? | ☐ Yes | × No | |
| 7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) | ☐ Yes | × No | |
| 7.4) Is this waste a recoverable petroleum product? | ☐ Yes* | × No | |
| 7.5) Is this waste used oil as defined by 40 CFR Part 279? | ☐ Yes* | × No | |

***If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.***

## Section 8 – TSCA Information

| | | | | | |
|---|---|---|---|---|---|
| 8.1) What is the concentration of PCBs in the waste? | ☐ None | ☐ 0-5 ppm | ☐ 6-49 ppm | ☐ 50-499 ppm | × 500+ ppm |
| 8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? | | | | × Yes | ☐ No |

***If you answered "no" to 8.1 and 8.2, please skip to Section 9.***

| | | | |
|---|---|---|---|
| 8.3) Has this waste been processed into a non-liquid form? | | ☐ Yes | × No |
| If yes, what was the concentration of PCBs prior to processing? | ☐ N/A | ☐ 0-499 ppm | ☐ 500+ ppm |
| 8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? | | × Yes | ☐ No |
| 8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? | | ☐ Yes | × No |
| 8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? | | × N/A | ☐ Yes ☐ No |

## Section 9 – Clean Air Act Information

| NESHAP SIC* | | |
|---|---|---|
| 2812 | 2836 | 2875 |
| 2813 | 2841 | 2879 |
| 2816 | 2842 | 2891 |
| 2819 | 2843 | 2892 |
| 2821 | 2844 | 2893 |
| 2822 | 2851 | 2895 |
| 2823 | 2861 | 2899 |
| 2824 | 2865 | 2911 |
| 2833 | 2869 | 3312 |
| 2834 | 2873 | 4953 |
| 2835 | 2874 | 9511 |

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes × No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)

*For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide*

9.2) Is the site, or waste, subject to any other MACT or NESHAP? ☐ Yes, please specify _____ × No

9.3) Does this waste stream contain Benzene? ☐ Yes × No

***If you answered "no" to 9.3, please skip to Section 10.***

9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the Benzene NESHAP identified in 40 CFR 61, Subpart FF? ☐ Yes ☐ No

9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.

***If you answered "no" to question 9.4 and 9.5, please skip to Section 10.***

9.6) Does the waste contain >10% water? ☐ Yes ☐ No

9.7) What is the TAB quantity for your facility? _____ Mg/Year

9.8) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No

9.9) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.

***(Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)***

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

## Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* × No

*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____

10.2) Is this waste intended for reclamation? ☐ Yes ☐ No (5-Gallon Sample required for all reclaim waste streams)

## Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

| Constituent | Concentration | UHC? | Constituent | Concentration | UHC? |
|---|---|---|---|---|---|
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | | | ☐ Yes ☐ No |

*Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65*

## Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Chris Lipson Printed Name Chris Lipson

Company City of Dayton Title Senior Dev. Spec. Date 10-19-10

*The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.*

Truck # 1117

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 760-3087 | 007793773 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address): 300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: US Bulk Transport Inc 205 Pennsylvania Drive Erie PA 16509 — U.S. EPA ID Number: PAD 987347515

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 20454 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1) 10B475WDI / PCB Soil and Debris
2) Storage start Date: 11/10/10
3) Unique container ID: 773

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Mileur For City of Dayton — Signature: Randy Mileur For City of Dayton — Month 11 Day 10 Year 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Zuver — Signature: [signature] — Month 11 Day 10 Year 10

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [signature] — Signature: [signature] — Month 11 Day 11 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solids

and specified on Manifest # 007793773 JJK, Line Item 1 has been landfilled on

Nov 11, 2010 in accordance with all local, state and federal regualtions by:

# *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Truck # 117

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 760-3087 | 007793785 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address)
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: US BULK TRANSPORT INC 205 Pennsylvania Drive Erie PA 16509
U.S. EPA ID Number: PAD 987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 23,363 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1. J109175WDI / PCB Soil and Debris
2. Storage Start date: 11/10/10
3. unique container ID #: 785

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Mileur for City of Dayton
Signature: Randy Mileur for City of Dayton
Month 11 Day 16 Year 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Zowell
Signature:
Month 11 Day 16 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Larry Leding
Signature:
Month 11 Day 17 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solids

and specified on Manifest # 007793785 JJK, ~~Line~~ Item 1 has been landfilled on Nov 17, 2010 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

135

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 780-3087 | 007793781 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address): 300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: US Bulk — U.S. EPA ID Number: 987341515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 20,000 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1) 108175WDI / PCB Soil and Debris
2) Storage Start Date: 11/13/10
3) Unique Container ID #: 784

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Mileur for City of Dayton — Signature: Randy Mileur for City of Dayton — Month 11 Day 15 Year 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carl Gerdel — Signature: [signature] — Month 11 Day 15 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Charles Dehlt — Signature: [signature] — Month 11 Day 15 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB solid

and specified on Manifest # 007193784JJK, Line Item 1 has been landfilled on 11/15, 2010 in accordance with all local, state and federal regualtions by:

# *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: OHO 012 858 604
2. Page 1 of: 1
3. Emergency Response Phone: (937) 780-3087
4. Manifest Tracking Number: 00779378 JJK

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address)
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U S P.K. Transport — U.S. EPA ID Number: PAD98 7447[illegible]

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL — U.S. EPA ID Number: MID 048 090 633
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 20,000 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1) 1109179WDI / PCB Soil and Debris
2) Storage Start Date: Illegible
3) Unique container ID: 786

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Mercer for City of Dayton — Signature: Randy Mercer for City of Dayton — Month: 11 — Day: 17 — Year: 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. ◯ Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Thomas Nolan — Signature: [signature] — Month: 11 — Day: 17 — Year: 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☒ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCR | | | |

J. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Larry Lutz — Signature: [signature] — Month: 11 — Day: 18 — Year: 10

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solids

and specified on Manifest # 007793786JJK, Line Item 1 has been landfilled on

Nov 18, 2008 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

105-1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 760-3087 | 007793787 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address)
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: US Bulk transport INC — U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1) UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | EST 22,909 | K Kg | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1) 109175WDI / PCB Soil and Debris
2) Storage start date 11-18-10
3) unique container ID #: 787

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Mileur for City of Dayton — Signature: Randy Mileur for City of Dayton — Month 11 Day 18 Year 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shane [illegible] — Signature: [illegible] — Month 11 Day 18 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Actual weight: 24,864 K
OK per John Alavacek @ Remedial Construction Services 11-22-10 RW
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. PCB 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793787 JJK, Line Item 1 has been landfilled on

11-22, 2010 in accordance with all local, state and federal regualtions by:

# *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 760-3067 | 00779377 4 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address)
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U.S BULK TRANSPORT, ERIE, PA 205 PENNSYLVANIA DR 16509
U.S. EPA ID Number: PAD982734575

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 95,834 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
J1091ZEWDI / PCB Concrete and Soil
SHIPPING DOCS: Federal manifest [illegible] 1824

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Timothy J. Smith (FOR THE CITY OF DAYTON) Signature: Timothy J. Smith Month: 11 Day: 22 Year: 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Terry D. Ripley Signature: Terry D. Ripley Month: 11 Day: 22 Year: 10
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

**DESIGNATED FACILITY**

18. Discrepancy: Actual weight 22436 K OK per John Hancock in Remedial Dept. 11-23-10
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Charles Delfatt Signature: Ch Del Month: 11 Day: 22 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793774 JJK, Line Item 1 has been landfilled on

11/22, 2010 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: Ashley Batzer

Truck # 1HT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

| 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|
| OHD 017 958 604 | 1 | (937) 760-3087 | 00779376 3 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address):
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U.S. BULK TRANSPORT — U.S. EPA ID Number: NJD 987 347 515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 29,256 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1. J108175WDI / PCB Soil and Debris
STORAGE START DATE: 11/23/10
UNIQUE CONTAINER ID #: 112310

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: TIMOTHY J. SMITH for CITY OF DAYTON — Signature — Month: 11 — Day: 23 — Year: 10

**INTL**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES LOVER — Signature — Month: 11 — Day: 23 — Year: 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Charles DeWitt — Signature — Month: 11 — Day: 24 — Year: 10

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793788JJK, Line Item 1 has been landfilled on

11-24-, 2002 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 760-3087 | 007793789 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address)
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U. S. BULK TRANSPORT — U.S. EPA ID Number: PAD 987345515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 20,411 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1. J10075WD01 / PCB Soil and Debris
STORAGE START DATE: 11/29/10
UNIQUE CONTAINER ID #: 112910

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: TIMOTHY J SMITH FOR CITY OF DAYTON — Signature: [signature] — Month: 11 — Day: 29 — Year: 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: WILLIAM J. JR. HAFFNER — Signature: [signature] — Month: 11 — Day: 29 — Year: 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: JOSH HEATH — Signature: [signature] — Month: 12 — Day: 09 — Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793789 JSF, Line Item 1 has been landfilled on

11-29, 2000 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

| 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|
| OHD 017 956 604 | 1 | (937) 760-3087 | 007793730 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address)
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U. S. BULK TRANSPORT — U.S. EPA ID Number: PAD 987347515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432 Polychlorinated biphenyls, solid, 9, PGII ERG #171 | 001 | CM | 11237 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
J109175WDI / PCB Soil and Debris
STORAGE START DATE: 12/1/10
UNIQUE CONTAINER ID # 120110

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: TIMOTHY T. SMITH FOR CITY OF DAYTON — Signature — Month: 12 Day: 21 Year: 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: WILLIAM J. SCHAFFNER — Signature — Month: 12 Day: 21 Year: 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: David Tomecki — Signature — Month: 12 Day: 21 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Soil

and specified on Manifest # 007793790 JJK, Line Item 1 has been landfilled on

12/1, 2000 in accordance with all local, state and federal regualtions by:

# *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

192-2

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 760-3087 | 007793775 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3620

Generator's Site Address (if different than mailing address):
300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U.S. BULK TRANSPORT — U.S. EPA ID Number: PAD 987 347 515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL — U.S. EPA ID Number: MID 048 090 633
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489

| 9a. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN2432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 9,357 | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
J10617NWDI / PCB Concrete and Soil
STORAGE START DATE: 12/3/10
ONE DUE CONTAINER ID #: 120310

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Timothy J. Smith for City of Dayton — Signature: Timothy J. Smith — Month: 12 — Day: 03 — Year: 10

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William J. Schaffner — Signature: [signature] — Month: 12 — Day: 03 — Year: 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Actual weight is 536 kg OK per John Hlavacek 12/3/10
Manifest Reference Number

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Josh Heath — Signature: [signature] — Month: 12 — Day: 3 — Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793775 JJK, Line Item 1 has been landfilled on

12-2, 2010 in accordance with all local, state and federal regualtions by:

# *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 804 | 1 | (937) 780-3067 | 007793776 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON, 101 WEST THIRD STREET, SUITE# 430, DAYTON, OH 45402. Generator's Phone: (937) 333-3620

Generator's Site Address (if different than mailing address): 300 TAYLOR ST, DAYTON, OH 45402

6. Transporter 1 Company Name: U.S. PUBLIC TRANSPORT — U.S. EPA ID Number: [illegible]

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL, 49350 N I-94 SERVICE DRIVE, BELLEVILLE, MI 48111. Facility's Phone: (800) 592-5489 — U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, POII, ERG #171 | 001 | CM | 16,339 LB | P | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
112017WDI / PCB Concrete and Soil
STORAGE START DATE: 12/29/10
UNIQUE CONTAINER ID #: 122910

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

| Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| Timothy J. Smith FOR CITY OF DAYTON | [signature] | 12 | 29 | 10 |

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

| Transporter 1 Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| Charles ADAMS | [signature] | 12 | 29 | 10 |
| Transporter 2 Printed/Typed Name | Signature | Month | Day | Year |
| | | | | |

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Actual weight 9,805 kg/dy per. Manifest Reference Number: Recon 12/30/10 JV

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| [illegible] | [signature] | 12 | 30 | 10 |

# CERTIFICATE OF DISPOSAL

*FOR MANIFESTED PCB WASTE*

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793776JJK, Line Item 1 has been landfilled on

1-3-, 2001 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

134

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 760-3087 | 007793777 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address): 300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U.S. BULK TRANSPORT — U.S. EPA ID Number: PAD 987 347515

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 15,480 (EST) | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
J109176WDI / PCB Concrete and Soil
STORAGE START DATE: 1/12/11
UNIQUE CONTAINER ID # 011211

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: TIMOTHY J SMITH FOR CITY OF DAYTON — Signature: [signature] — Month 01 Day 12 Year 11

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ART Pollock — Signature: [signature] — Month 01 Day 12 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Actual weight 17,990 kg wk per John Hlavacek for Kelly Kulles 1/13/11 JV
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. PCB 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Hoeth — Signature: [signature] — Month 1 Day 12 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793777 JJK, Line Item 1 has been landfilled on

1-12, 2001 in accordance with all local, state and federal regualtions by:

# *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

134

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 804 | 1 | (937) 780-5057 | 007793779 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON, 101 WEST THIRD STREET, SUITE# 430, DAYTON OH 45402
Generator's Phone: (937) 333-3605

Generator's Site Address (if different than mailing address): 400 TAYLOR ST, DAYTON OH 45402

6. Transporter 1 Company Name: J. P. RICH TRANSPORT — U.S. EPA ID Number: WAL 9272 4725

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL INC SITE 2 LANDFILL, 49350 N I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — U.S. EPA ID Number: MID 048 090 633
Facility's Phone: (800) 592-9480

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA9237, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 19,000 LBS | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
ERG#171 / PCB Concrete and Soil
Consignee Date: 11/3/11
Waste Generator's I.D. #: 131311

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

| Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| TIMOTHY J SMITH for CITY OF DAYTON | | 01 | 13 | 11 |

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

| Transporter 1 Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| J.P. RICH | | 01 | 13 | 11 |
| **Transporter 2 Printed/Typed Name** | **Signature** | **Month** | **Day** | **Year** |
| | | | | |

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| PCB | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| David Jenek | | 11 | 13 | 11 |

# CERTIFICATE OF DISPOSAL

*FOR MANIFESTED PCB WASTE*

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793778 JK, Line Item 1 has been landfilled on

1/13, 2011 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

134

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | OHD 017 958 604 | 1 | (937) 780-3087 | 007793792 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON
101 WEST THIRD STREET
SUITE# 430
DAYTON, OH 45402
Generator's Phone: (937) 333-3820

Generator's Site Address (if different than mailing address): 300 TAYLOR ST
DAYTON, OH 45402

6. Transporter 1 Company Name: U.S. BULK TRANSPORT — U.S. EPA ID Number: PAD 987347515

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3432, Polychlorinated biphenyls, solid, 9, PGII, ERG #171 | 001 | CM | 20,900 (EST) | K | PCB1 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
J109175WDI / PCB Soil and Debris
STORAGE START DATE: 1/14/11
UNIQUE CONTAINER ID # 011411

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: TIMOTHY J SMITH FOR CITY OF DAYTON — Signature: [signature] — Month 01 Day 14 Year 11

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ART POLLOCK — Signature: [signature] — Month 01 Day 14 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. PCB 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath — Signature: [signature] — Month 01 Day 14 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

*FOR MANIFESTED PCB WASTE*

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 007793792 JJK, Line Item 1 has been landfilled on

1-14, 2001 in accordance with all local, state and federal regualtions by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

UNITED
A USI Company

11807 Reading Road Cincinnati, Ohio 45241 Phone: 513-733-4666 Fax: 513-539-9180

| NAME OF WASTE STREAM | PROFILE/APPROVAL NUMBER |
|---|---|
| Waste water | |

☒New ☐Requalification ☐Plant 1 ☐Plant 2 ☐Plant 3 ☐Solidification ☐Solvent ☐Vacom ☒Drum ☐URM ☐Neutralized Washwater ☐Reuse Stream

## GENERATOR INFORMATION

| | |
|---|---|
| **Generator Name** City of Dayton | **Billing Name** Remedial Construction Services |
| **Contact Person** Chris Lipson | **Contact Person** John Hlavacek |
| **Address** 300 Taylor St --no mail to this address-- | **Address** PO Box 690708 |
| **City** Dayton | **City** Houston |
| **State** OH | **State** TX |
| **Zip** 45402 | **Zip** 77269 |
| **Phone** 937-333-3820 | **Phone** 859-746-1140 xt 103 |
| **Fax** 937-333-4266 | **Fax** |
| **Email** chris.lipson@cityofdayton.org | **Purchase Order** |

**DOT SHIPPING NAME**
NON REGULATED PETROLEUM IMPACTED WATER

**RCRA HAZARDOUS** ☐ Yes ☒No ☐ EXEMPT
Generating Process: Precipitation/groundwater from excavation at site remediation

**Physical Characteristics**
Infectious or Biological Waste? ☐ Yes ☒ No ☐ Gas ☐ Aerosol ☐Lab-Pack
NRC Regulated Radioactive? ☐ Yes ☒ No
Reactivity ☒None ☐ Water ☐ Shock ☐ Pyrophoric ☐Cyanides ☐ Sulfides ☐ DOT Explosive ☐ Other

☐ Solids ____ %
☐ Sludges ____ %
☒ Free Liquids 100 %

**LAYERS** ☒ Single-Layered ☐ Bi-Layered ☐ Multi-Layered

**VISCOCITY** ☒Low ☐Medium ☐High

**ODOR** ☒ None ☐ Mild ☐ Strong
Describe:

**COLOR/APPEARANCE**
Clear water

**FREQUENCY & SHIPPING** ☒ DRUM ☐ TOTE ☐ BULK
☒One Time ☐Weekly ☐Monthly ☐ X per Year Gallons

**pH** ☐ N/A ☐ 0-2.0 ☐ 2.1-4 ☒ 4.1-10 ☐ 10.1-12.0 ☐ >12.5
Exact:

**FLASH POINT (liquid only)**
☐<73°F ☐73-140°F ☐141-200°F ☒>200°F ☐Exact

**BOILING POINT**
☐ <95°C ☒ >95°C ☐ Exact: BTU/LBS:

**ADDITIONAL CHARACTERISTICS**

| | | |
|---|---|---|
| Is waste pumpable? | ☒ Yes | ☐ No |
| Is waste polymerizable? | ☐ Yes | ☒ No |
| Is waste subject to the National Emission Standards for Benzene Waste Operations? (40CFR 61 Subpart FF) | ☐ Yes | ☒ No |
| Is Waste regulated as an ozone depleting substance? (40CFR Part82) | ☐ Yes | ☒ No |
| Does this waste contain scrap metal pieces >2"? | ☐ Yes | ☒ No |
| Is this waste regulated as a marine pollutant? | ☐ Yes | ☒ No |

**CWT CLASSIFICATION (40CFR Part 437)**

☒ **OIL SUBCATEGORY**
- Used Oil • Coolants • Oil Water Mixture • Contaminated Ground Water

☐ **METAL SUBCATEGORY**
- Waste acid and bases with or without metals
- Metal finish rinse waters and sludges
- Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations

☐ **ORGANIC SUBCATEGORY**
- Landfill Leachate • Contaminated ground water from non-petroleum source
- Solvent bearing wastes • Off-Spec organic product
- Wastewater from paint washes, adhesives, and/or epoxies.

**PHYSICAL/CHEMICAL CONSTITUANTS**

| | | |
|---|---|---|
| Water | 100 | % |
| | | % |
| | | % |

Attach All MSDS's, sample analysis and other information

**CONSTITUENT SUBCATEGORIES**
☐ Oil (>100ppm)
☐ Metal (Cd 0.2ppm), (Cr 8.9ppm), (Cu 4.9ppm), (Ni 37.5ppm)
☐ Organic (<100ppm oil and grease, metals below limits above)

**Generator's Certification:** I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful ommision of composition properties exists and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this profile. Also, I attend that oil containing more than 1,000ppm total halogens is presumed to be a hazardous waste per 40 CFR 279. However, that presumption can be rebutted by applying my knowledge of my halogen content of the used oil in light of the materials or processes used in my operation. To the best of my knowledge and belief, I certify to UNITED that our used oils are generated from industrial usage and we do not mix hazardous waste with our oil. I understand that every time I and or another of our employees sign the non-hazardous manifest or bill of lading, we are re-certifying this rebuttal presumption. In addition, to the best of my knowledge and belief, all information on these forms is a complete and accurate representation of our wastestream(s).

Customer Signature Chris Lipson for City of Dayton Title Senior Dev. Sp. Date 3/24/11

USI Approval Signature _____ Title _____ Date _____

# SERVICE/PARTNERSHIP AGREEMENT

| United Agrees To: | Agrees To: |
|---|---|
| ✓ Employ highly trained, certified, professional team members<br>✓ Secure all permits/approvals necessary to recycle/dispose of waste(s)<br>✓ Guarantee highest level of service in the waste/recycling/disposal industry<br>✓ Take title to the waste once the truck leaves customer site when United is the transporter<br>✓ Maintain the necessary insurance to service this agreement<br>✓ Respond to emergencies requests within 8-hours<br>✓ Comply with all local, state, and federal regulations<br>United Initials ☐ | ✓ Notify UNITED with regards to changes in customer contact(s)<br>✓ Notify UNITED of changes in the wastestream(s)<br>✓ PAYMENT TERMS NET 30 DAYS<br>✓ Notify UNITED in writing, 30-days in advance of terminating this agreement<br>✓ Provide a safe worksite/environment for UNITED employees<br>✓ Comply with all local, state, and federal regulations with regards to your wastestream(s)<br>Customer Initials ☐ |

| | | |
|---|---|---|
| **Generator** | **Approval Number** | |
| **Facility Address** 300 TAYLOR ST | **EPA ID#** | |
| **City** DAYTON | **State** OH | **Zip** |
| **Telephone** | **Pick-up hours** | |
| **Contact** | **Title** | |
| **Alternate Contact** | **Title** | |

**SKETCH OF TANK / TOTE / DRUM / PIT LOCATION**

☐ Tractor/Tanker ☐ Straight Tanker ☐ Sludge Truck ☐ Tractor/Box ☐ Box Truck w/Lift Gate

**SPECIAL INSTRUCTIONS/DIRECTIONS:**

# Wastewater Transportation and Disposal Ticket #1

**Generator:** City of Dayton

300 Taylor Street

Dayton, OH 45402

**Site:** Tech Town

**Transporter and Disposal Agency:** AAA Wastewater Services, Incorporated

3677 Anthony Lane

Franklin, OH

QTY = 3,000 GAL

**Generator's Signature:** for City of Dayton **Date:** 12/23/10 10:03 AM

**Transporter's Signature:** AAA Wastewater **Date:** 12/23/10

# Wastewater Transportation and Disposal Ticket #2

**Generator:** City of Dayton

300 Taylor Street

Dayton, OH 45402

**Site:** Tech Town

**Transporter and Disposal Agency:** AAA Wastewater Services, Incorporated

3677 Anthony Lane

Franklin, OH

QTY = 3,000 gal

**Generator's Signature:** For City of Dayton **Date:** 12/23/10 1140 hrs

**Transporter's Signature:** AAA Wastewater **Date:** 12/23/10

# Wastewater Transportation and Disposal Ticket #3

**Generator:** City of Dayton

300 Taylor Street

Dayton, OH 45402

**Site:** Tech Town

**Transporter and Disposal Agency:** AAA Wastewater Services, Incorporated

3677 Anthony Lane

Franklin, OH

QTY = 1200 Gal.

**Generator's Signature:** [signature] FOR CITY OF MIAMI **Date:** 12/23/10 1320 hrs.

**Transporter's Signature:** [signature] **Date:** 12/23/10

AA Wastewater

**UNITED** A USI Company

11807 Reading Road Cincinnati, Ohio 45241 Phone: 513-733-4666 Fax: 513-539-9180

## NAME OF WASTE STREAM

Waste water

## PROFILE/APPROVAL NUMBER

URM-DTCE-1105

☒New ☐Requalification ☐Plant 1 ☐Plant 2 ☐Plant 3 ☐Solidification ☐Solvent ☐Vacom ☒Drum ☐URM ☐Neutralized Washwater ☐Reuse Stream

## GENERATOR INFORMATION

| | |
|---|---|
| **Generator Name** City of Dayton | **Billing Name** Remedial Construction Services |
| **Contact Person** Chris Lipson | **Contact Person** John Hlavacek |
| **Address** 300 Taylor St --no mail to this address-- | **Address** PO Box 690708 |
| **City** Dayton | **City** Houston |
| **State** OH | **State** TX |
| **Zip** 45402 | **Zip** 77269 |
| **Phone** 937-333-3820 | **Phone** 859-746-1140 xt 103 |
| **Fax** 937-333-4266 | **Fax** |
| **Email** chris.lipson@cityofdayton.org | **Purchase Order** |

**DOT SHIPPING NAME**
NON REGULATED PETROLEUM IMPACTED WATER

**RCRA HAZARDOUS** ☐ Yes ☒No ☐ EXEMPT
Generating Process: Precipitation/groundwater from excavation at site remediation

**Physical Characteristics**
Infectious or Biological Waste? ☐ Yes ☒ No ☐ Gas ☐ Aerosol ☐Lab-Pack
NRC Regulated Radioactive? ☐ Yes ☒ No
Reactivity ☒None ☐ Water ☐ Shock ☐ Pyrophoric ☐ Cyanides ☐ Sulfides ☐ DOT Explosive ☐ Other
☐ Solids ____ %
☐ Sludges ____ %
☒ Free Liquids 100 %

**LAYERS** ☒ Single-Layered ☐ Bi-Layered ☐ Multi-Layered

**VISCOCITY** ☒Low ☐Medium ☐High

**ODOR** ☒ None ☐ Mild ☐ Strong
Describe:

**COLOR/APPEARANCE**
Clear water

**FREQUENCY & SHIPPING** ☒ DRUM ☐ TOTE ☐ BULK
☒One Time ☐Weekly ☐Monthly ☐ X per Year Gallons 500

**pH** ☐ N/A ☐ 0-2.0 ☐ 2.1-4 ☒ 4.1-10 ☐ 10.1-12.0 ☐ >12.5
Exact:

**FLASH POINT (liquid only)**
☐<73°F ☐73-140°F ☐141-200°F ☒>200°F ☐Exact

**BOILING POINT**
☐ <95°C ☒ >95°C ☐ Exact: BTU/LBS:

**ADDITIONAL CHARACTERISTICS**

| | | |
|---|---|---|
| Is waste pumpable? | ☒ Yes | ☐ No |
| Is waste polymerizable? | ☐ Yes | ☒ No |
| Is waste subject to the National Emission Standards for Benzene Waste Operations? (40CFR 61 Subpart FF) | ☐ Yes | ☒ No |
| Is Waste regulated as an ozone depleting substance? (40CFR Part82) | ☐ Yes | ☒ No |
| Does this waste contain scrap metal pieces >2"? | ☐ Yes | ☒ No |
| Is this waste regulated as a marine pollutant? | ☐ Yes | ☒ No |

**CWT CLASSIFICATION (40CFR Part 437)**

☒ **OIL SUBCATEGORY**
- Used Oil • Coolants • Oil Water Mixture • Contaminated Ground Water

☐ **METAL SUBCATEGORY**
- Waste acid and bases with or without metals
- Metal finish rinse waters and sludges
- Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations

☐ **ORGANIC SUBCATEGORY**
- Landfill Leachate • Contaminated ground water from non-petroleum source
- Solvent bearing wastes • Off-Spec organic product
- Wastewater from paint washes, adhesives, and/or epoxies.

**PHYSICAL/CHEMICAL CONSTITUANTS**

| | | |
|---|---|---|
| Water | 100 | % |
| | | % |
| | | % |

Attach All MSDS's, sample analysis and other information

**CONSTITUENT SUBCATEGORIES**
☐ Oil (>100ppm)
☐ Metal (Cd 0.2ppm), (Cr 8.9ppm), (Cu 4.9ppm), (Ni 37.5ppm)
☐ Organic (<100ppm oil and grease, metals below limits above)

**Generator's Certification:** I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful commission of composition properties exists and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this profile. Also attend that oil containing more than 1,000ppm total halogens is presumed to be a hazardous waste per 40 CFR 279. However, that presumption can be rebutted by applying my knowledge of my halog content of the used oil in light of the materials or processes used in my operation. To the best of my knowledge and belief, I certify to UNITED that our used oils are generated from industrial usage and do not mix hazardous waste with our oil. I understand that every time I and or another of our employees sign the non-hazardous manifest or bill of lading, we are re-certifying this rebuttal presumption. In addition, to the best of my knowledge and belief, all information on these forms is a complete and accurate representation of our wastestream(s).

Customer Signature Chris Lipson for City of Dayton Title Senior Dev Sp Date 3/24/11

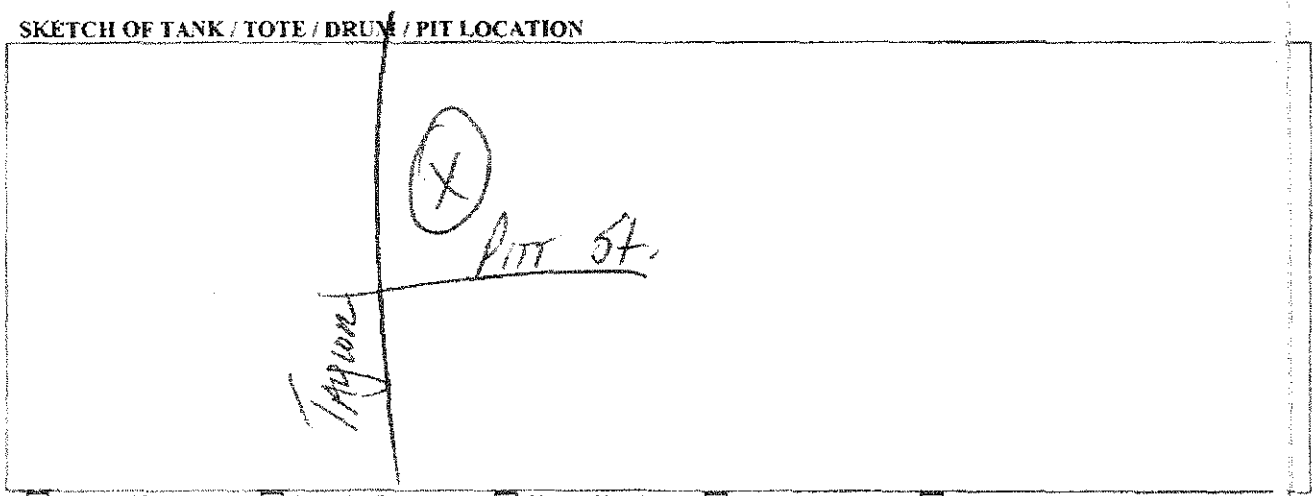
USI Approval Signature [signature] Title Env. Spec. Date 4/1/11

# SERVICE/PARTNERSHIP AGREEMENT

| United Agrees To: | Agrees To: |
|---|---|
| ✓ Employ highly trained, certified, professional team members<br>✓ Secure all permits/approvals necessary to recycle/dispose of waste(s)<br>✓ Guarantee highest level of service in the waste/recycling/disposal industry<br>✓ Take title to the waste once the truck leaves customer site when United is the transporter<br>✓ Maintain the necessary insurance to service this agreement<br>✓ Respond to emergencies requests within 8-hours<br>✓ Comply with all local, state, and federal regulations<br>United Initials [signature] | ✓ Notify UNITED with regards to changes in customer contact(s)<br>✓ Notify UNITED of changes in the wastestream(s)<br>✓ PAYMENT TERMS NET 30 DAYS<br>✓ Notify UNITED in writing, 30-days in advance of terminati this agreement<br>✓ Provide a safe worksite/environment for UNITED employe<br>✓ Comply with all local, state, and federal regulations with regards to your wastestream(s)<br>Customer Initials [initials] |

| | | |
|---|---|---|
| **Generator** | **Approval Number** | |
| **Facility Address** 300 TAYLOR ST | **EPA ID#** | |
| **City** DAYTON | **State** OH | **Zip** |
| **Telephone** | **Pick-up hours** | |
| **Contact** | **Title** | |
| **Alternate Contact** | **Title** | |

**SKETCH OF TANK / TOTE / DRUM / PIT LOCATION**




☐ Tractor/Tanker ☐ Straight Tanker ☐ Sludge Truck ☐ Tractor/Box ☐ Box Truck w/Lift Gate

**SPECIAL INSTRUCTIONS/DIRECTIONS:**

75 North to exit 54C, right on SR-4 North.
Right on N. Keowee St.
Right on East Monument Ave.
Right on Taylor St.

# STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 110706-005

Carrier No. _____

Page ____ of ____ 1

United Resource Management
(Name of carrier) (SCAC)

Date _____

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO: Consignee: United Resource Management

Street: 401 Industrial Rd

City: Franklin State, OH Zip Code: 45005

FROM: Shipper: City of Dayton

Street: 300 Taylor St.

City: Dayton State: OH Zip Code: 45402

24 hr. Emergency Contact Tel. No. _____

Route

Vehicle Number

| No. of Units & Container Type | HM | BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group | TOTAL QUANTITY (Weight, Volume, Gallons, etc.) | WEIGHT (Subject to Correction) | RATE | CHARGES (For Carrier Use Only) |
|---|---|---|---|---|---|---|
| 7 Dm | | Non-Haz Special Waste Water | | 3178# | | |
| | | Ground Water | | | | |
| | | Received By: | | | | |

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER: City Of Dayton

PER _____

CARRIER: United Resource Management

PER Steve Lavender

DATE 4-20-11

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOY INK

STYLE CF365-4 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

12473.005.009
fz 2.1
Tracking #

# WASTE CHARACTERIZATION REPORT

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate facility and method of waste management from the technologies offered at the EQ facilities identified below.*

| | | | |
|---|---|---|---|
| ☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment) | 49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 | Fax: 800-592-5329 | EPA ID # MID 000 724 831 |
| ☒ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & PCB Waste Landfill) | 49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 | Fax: 800-592-5329 | EPA ID # MID 048 090 633 |
| ☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment) | 1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 | Fax: 313-923-3375 | EPA ID # MID 980 991 566 |
| ☐ **EQ Ohio (Envirite of Ohio)** (Stabilization and Treatment) | 2050 Central Avenue, SE, Canton, OH 44707 Phone: 800-592-5489 | Fax: 800-592-5329 | EPA ID # OHD 980 568 992 |
| ☐ **EQ Pennsylvania (Envirite of Pennsylvania)** (Stabilization and Treatment) | 730 Vogelsong Road, York,PA 17404 Phone: 800-592-5489 | Fax: 800-592-5329 | EPA ID # PAD 010 154 045 |
| ☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment) | 36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 | Fax: 734-326-4033 | EPA ID # MID 060 975 844 |
| ☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning) | 7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 | Fax: 813-628-0842 | EPA ID # FLD 981 932 494 |
| ☐ **EQ Transfer & Processing** (Drum Transfer/Universal Waste Handling) | 2000 Ferry Street, Detroit, MI 48211 Phone: 313-923-0080 | Fax: 313-922-8419 | EPA ID # MIK 939 928 313 |
| ☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing) | 4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 | Fax: 317-247-7170 | EPA ID # IND 161 049 309 |
| ☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing) | 5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 | Fax: 404-494-3560 | EPA ID # GAR 000 039 776 |
| ☐ **EQ Augusta, Inc.** (Wastewater Treatment) | 3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 | Fax: 706-771-9124 | EPA ID # GAR 000 011 817 |

## Waste Common Name: PCB-contaminated soil and debris

### *Section 1 – Generator & Customer Information*

SIC/NAICS* 926110

**Generator EPA ID #** 40 CFR PART 761

Generator City of Dayton

Facility Address 300 Taylor Street

City Dayton State Ohio Zip 45402

County Montgomery

**Mailing Address** 101 West Third Street, Suite #430

City Dayton State Ohio Zip 45402

**Generator Contact** Chris Lipson

Title Senior Economic Development Specialist

Phone 937-333-3820 Fax 937-333-4266

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

***Internal Use Only: EQ Division***

EQ Customer No.

**Invoicing Company** Weston Solutions, Inc.

Address 711 East Monument Ave, Suite 201

City Dayton State Ohio Zip 45402

Country U.S.A.

**Invoicing Contact** Laura Funk

Phone 937-531-4400 Fax 937-531-4401

**Technical Contact** Laura Funk

Phone 937-531-4400 Fax 937-531-4401

Mobile Pager

E-mail laura.funk@westonsolutions.com

### *Section 2 – Shipping & Packaging Information*

2.1) Shipping Volume & Frequency

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name UN3432, Polychlorinated Biphenyls, solid, 9, PGII

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide

2.4) Packaging **(check all that apply)**

☐ Bulk Solid ($Yd^3$ < 2000 lbs/$yd^3$)
☐ Bulk Solid (Ton >2000 lbs/$yd^3$)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums, Size 55 gal
☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container

## *Section 3 – Physical Characteristics*

3.1) Color grey/brown 3.2) Odor none

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

| | | | | | |
|---|---|---|---|---|---|
| 3.4) Physical State at 70°F: | ☒ Solid | ☐ Dust/Powder | ☐ Liquid | ☐ Sludge | |
| 3.5) What is the pH of this waste? | ☐ ≤2 | ☐ 2.1-4.9 | ☒ 5-10 | ☐ 10.1-12.4 | ☐ ≥12.5 |
| 3.6) What is the flash point of this waste? | ☐ <90°F | ☐ 90-140°F | ☐ 140-199°F | ☒ >200°F | |
| 3.7) Does this waste contain? **(check all that apply)** | | ☒ **None** | ☐ Free Liquids | ☐ Oily Residue | ☐ Metal Fines |
| ☐ Biodegradable Sorbants | ☐ Amines | ☐ Ammonia | ☐ Water Reactive | ☐ Biohazard | ☐ Aluminum |
| ☐ Shock Sensitive Waste | ☐ Reactive Waste | ☐ Radioactive Waste | ☐ Explosives | ☐ Pyrophoric Waste | ☐ Isocyanates |
| ☐ Asbestos – non-friable | ☐ Asbestos – friable | ☐ Dioxins | ☐ Furans | | |

## *Section 4 – Waste Composition and Generating Process*

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

soil/gravel 40 to 60 % to %

debris (plastic, PPE) 40 to 60 % to %

**Total: 100%**

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Investigative derived waste - soil assessment and delineation

## *Section 5 – Is This Hazardous Waste?*

*Please refer to Section 5 of the EQ Resource Guide for a list of waste codes*

| **As determined by 40 CFR, Part 261 and State Rules:** | | | **Please list applicable waste code(s):** |
|---|---|---|---|
| 5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? | ☐ Yes | ☒ No | |
| 5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? | ☐ Yes | ☒ No | |
| 5.3) Do any State Hazardous Waste Codes apply? | ☒ Yes | ☐ No | PCB1 |
| 5.4) Is this waste intended for wastewater treatment? | ☐ Yes* | ☒ No | |

***If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.***

## *Section 6 – Hazardous Wastes*

| | | |
|---|---|---|
| 6.1) Does this waste exceed Land Disposal Restriction levels? | ☐ Yes | ☒ No |
| 6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? | ☐ Yes | ☒ No |
| 6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) | ☒ Yes | ☐ No |
| 6.2) Is the waste an oxidizer (D001)? | ☐ Yes | ☒ No |
| 6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? | ☐ Yes | ☒ No |
| 6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? | ☐ Yes | ☒ No |

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

**Based On:** ☐ **Generator Knowledge** ☒ **Analysis*** ☐ **MSDS***
***Please attach a copy. Analysis or MSDS are required for EQFT. Non-hazardous wastes.**

| Code | | Regulatory Level TCLP (mg/l) | Concentration (if above) | Code | | Regulatory Level TCLP (mg/l) | Concentration (if above) |
|---|---|---|---|---|---|---|---|
| D004 | Arsenic | 5 | ☒ Below ☐ Above | D024 | m-Cresol | 200 | ☒ Below ☐ Above |
| D005 | Barium | 100 | ☒ Below ☐ Above 1.07 | D025 | p-Cresol | 200 | ☒ Below ☐ Above |
| D006 | Cadmium | 1 | ☒ Below ☐ Above | D026 | Cresols | 200 | ☒ Below ☐ Above |
| D007 | Chromium | 5 | ☒ Below ☐ Above | D027 | 1,4-Dichlorobenzene | 7.5 | ☒ Below ☐ Above |
| D008 | Lead | 5 | ☒ Below ☐ Above | D028 | 1,2-Dicholoroethane | 0.5 | ☒ Below ☐ Above |
| D009 | Mercury | 0.2 | ☒ Below ☐ Above | D029 | 1,1-Dichloroethylene | 0.7 | ☒ Below ☐ Above |
| D010 | Selenium | 1 | ☒ Below ☐ Above | D030 | 2,4-Dinitrotoluene | 0.13 | ☒ Below ☐ Above |
| D011 | Silver | 5 | ☒ Below ☐ Above | D031 | Heptachlor | 0.008 | ☒ Below ☐ Above |
| D012 | Endrin | 0.02 | ☒ Below ☐ Above | D032 | Hexachlorobenzene | 0.13 | ☒ Below ☐ Above |
| D013 | Lindane | 0.4 | ☒ Below ☐ Above | D033 | Hexachlorobutadiene | 0.5 | ☒ Below ☐ Above |
| D014 | Methoxychlor | 10 | ☒ Below ☐ Above | D034 | Hexachloroethane | 3.0 | ☒ Below ☐ Above |
| D015 | Toxaphene | 0.5 | ☒ Below ☐ Above | D035 | Methyl Ethyl Ketone | 200 | ☒ Below ☐ Above |
| D016 | 2,4-D | 10 | ☒ Below ☐ Above | D036 | Nitrobenzene | 2 | ☒ Below ☐ Above |
| D017 | 2,4,5-TP (Silvex) | 1 | ☒ Below ☐ Above | D037 | Pentachlorophenol | 100 | ☒ Below ☐ Above |
| D018 | Benzene | 0.5 | ☒ Below ☐ Above | D038 | Pyridine | 5 | ☒ Below ☐ Above |
| D019 | Carbon Tetrachloride | 0.5 | ☒ Below ☐ Above | D039 | Tetrachloroethylene | 0.7 | ☒ Below ☐ Above |
| D020 | Chlordane | 0.03 | ☒ Below ☐ Above | D040 | Trichloroethylene | 0.5 | ☒ Below ☐ Above |
| D021 | Chlorobenzene | 100 | ☒ Below ☐ Above | D041 | 2,4,5-Trichlorophenol | 400 | ☒ Below ☐ Above |
| D022 | Chloroform | 6.0 | ☒ Below ☐ Above | D042 | 2,4,6-Trichlorophenol | 2 | ☒ Below ☐ Above |
| D023 | o-Cresol | 200 | ☒ Below ☐ Above | D043 | Vinyl Chloride | 0.2 | ☒ Below ☐ Above |

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

## *Section 7 – Non-Hazardous Wastes*

*For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide*

**Please list applicable waste code:**

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

***If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.***

## *Section 8 – TSCA Information*

8.1) What is the concentration of PCBs in the waste? ☐ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☒ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☒ Yes ☐ No
***If you answered "no" to 8.1 and 8.2, please skip to Section 9.***
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☒ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

## *Section 9 – Clean Air Act Information*

| NESHAP SIC* | | |
|---|---|---|
| 2812 | 2836 | 2875 |
| 2813 | 2841 | 2879 |
| 2816 | 2842 | 2891 |
| 2819 | 2843 | 2892 |
| 2821 | 2844 | 2893 |
| 2822 | 2851 | 2895 |
| 2823 | 2861 | 2899 |
| 2824 | 2865 | 2911 |
| 2833 | 2869 | 3312 |
| 2834 | 2873 | 4953 |
| 2835 | 2874 | 9511 |

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
*For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide*
9.2) Is the site, or waste, subject to any other MACT or NESHAP? ☐ Yes, please specify: ☒ No
9.3) Does this waste stream contain Benzene? ☐ Yes ☒ No
***If you answered "no" to 9.3, please skip to Section 10.***
9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the Benzene NESHAP identifted in 40 CFR 61, Subpart FF? ☐ Yes ☐ No
9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
***If you answered "no" to question 9.4 and 9.5, please skip to Section 10.***
9.6) Does the waste contain >10% water? ☐ Yes ☐ No
9.7) What is the TAB quantity for your facility? _____Mg/Year
9.8) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.9) What is the total Benzene concentration in your waste? _____Percent or _____ ppmw.

***(Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)***

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

## *Section 10 – Fuel Blending Information*

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No

*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)

10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

## *Section 11 – Constituent Information*

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

| Constituent | Concentration | UHC? | Constituent | Concentration | UHC? |
|---|---|---|---|---|---|
| | ☐ Yes ☐ No | | | ☐ Yes ☐ No | |
| | ☐ Yes ☐ No | | | ☐ Yes ☐ No | |
| | ☐ Yes ☐ No | | | ☐ Yes ☐ No | |
| | ☐ Yes ☐ No | | | ☐ Yes ☐ No | |
| | ☐ Yes ☐ No | | | ☐ Yes ☐ No | |

*Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.*

## *Section 12 – Certification*

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name Charles Lipson

Company City of Dayton Title Senior Development Specialist Date 8/11

*The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.*

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fc 6.3

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

| 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|
| [illegible] | 1 | (513) 947 1300 | 008257523 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address: CITY OF DAYTON, 101 WEST THIRD STREET SUITE #430, DAYTON, OH 45402
Generator's Phone: (937) 333-3620

Generator's Site Address (if different than mailing address): 200 TAYLOR STREET, DAYTON, OH 45402

6. Transporter 1 Company Name: EQ INDUSTRIAL SERVICES — U.S. EPA ID Number: MID 000 263 871

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL INC SITE 2 LANDFILL, 49350 N I-94 SERVICE DRIVE, BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489 — U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. [illegible] | 3 | DM | [illegible] | P | [illegible] |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
[illegible] Container Id Number

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month — Day — Year

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name [illegible] — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| [illegible] | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

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fc 21

VEOLIA
ENVIRONMENTAL SERVICES

# *WASTESTREAM INFORMATION PROFILE*

☐ Recertification

Disposal Code

Veolia ES LOCATION
☒ Invoice Address
ADDRESS CITY ST
☐ Manifest from – blank if direct

Veolia ES TSDF requested _____ Technology requested _____ Generator No._____ **Generator EPA ID No.** _____

1. **Generator Name** City of Dayton **Generator State No.** OHD017958604
**Address** 300 Taylor Street **Mailing Address:** 101 West Third Street, Suite #430 **State Wastestream No.** _____
**City** Dayton **State** OH **Country** USA **ZIP** 45402
**NAICS (SIC) Code** 926110 _____ _____ **Source** _____ **Origin** _____ **Form** _____ **System Type** _____

2. **Waste Name** WATER CONTAINING PCBS (<50 PPM) **Lab or Waste Area** _____
3. **Process Generating Waste** DECONTAMINATION OF EQUIPMENT
4. **Shipping Name** RQ, POLYCHLORINATED BIPHENYLS, LIQUID, 9, UN2315, PGII
**Hazard Class** 9 **UN/NA No.** UN2315 PGII **RQ amt** 1lb

| | | |
|---|---|---|
| **RQ Desc:** | 1. | 2. |
| **DOT Desc:** | 1. POLYCHLORINATED BIPHENYLS | 2. |

5. **Waste Codes** 026L

**astewater** ☒ **Non Wastewater** ☐ **Sub Category** _____

6. **.ysical and chemical properties** *(check all that apply)*

**pH**
a ☐ < 2
b ☐ 2 - 5
c ☒ 5 - 9
d ☐ 9 - 12.5
e ☐ > 12.5
_____ exact

**Specific Gravity**
a ☐ < .8
b ☐ .8 - 1.0
c ☒ 1.0
d ☐ 1.0 - 1.2
e ☐ > 1.2
_____ exact

**Flash Point (F)**
a ☐ < 80
b ☐ 80 - 100
c ☐ 101 - 140
d ☐ 141 - 200
e ☒ > 200
f ☐ no flash _____exact

**Solids**
<5 % suspended
0 % settleable
0 % dissolved
Free Liquid Range 95 to 100%

0 % ash
_____ water solubility
_____ BTU/lb

**Physical State**
s ☐ solid
m ☐ semi-solid
l ☒ liquid
p ☐ pumpable semi-solid
f ☐ flowable powder
g ☐ gas
a ☐ aerosol
r ☐ pressurized liquid
d ☐ debris per 40 CFR 268.45
h ☐ sharps

**Hazardous Characteristics**
a ☐ air reactive
w ☐ water reactive
c ☐ cyanide reactive
f ☐ sulfide reactive
e ☐ explosive
o ☐ oxidizing acid
p ☐ peroxide former
r ☐ radioactive or NRC regulated
s ☐ shock sensitive
t ☐ temp sensitive
m ☐ polymerization/monomer
n ☐ OSHA carcinogen
I ☐ infectious
h ☐ inhalation hazard Zone: _

**Odor**
a none ☒
b mild ☐
c strong ☐
describe I

**Halogens**
Br 0 % Bromine
Cl 0 % Chlorine
F 0 % Fluorine
I 0 % Iodine

**Layers:** a ☐ multilayered: b ☐ bi-layered: c ☒ single phase:

| **Viscosity by Layer:** | Top Layer | Second Layer | Bottom Layer |
|---|---|---|---|
| | ☐ high (syrup) | ☐ high (syrup) | ☐ high (syrup) |
| | ☐ medium (oil) | ☐ medium (oil) | ☐ medium (oil) |
| | ☒ low (water) | ☐ low (water) | ☐ low (water) |
| | ☐ solid | ☐ solid | ☐ solid |

**Color**
brown
black
_____

**Used oil y/n** N **HOC <1000 ppm** ☒ **or > 1000 ppm** ☐



**WIP No.** _____

7. **Chemical Composition** [M = Marine Pollutant, S - Severe Marine Pollutant, O = Ozone Depleting Substance, U = Underlying Hazardous Constituent, B = Benzene NESHAP, T = TRI Chemical, C = OSHA Carcinogen]

| | Constituents | Range | Units | | Constituents | Range | Units |
|---|---|---|---|---|---|---|---|
| | **Water** | **95-100** | **%** | | | | |
| | **Soil/sediment** | **<5** | **%** | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Total Composition Must Equal or Exceed 100%

**Other:**

8. Is the wastestream being imported into the USA? Yes ☐ No ☒
9. Does the wastestream contain PCBs regulated by 40CFR? Yes ☒ No ☐
   PCB concentration <50 ppm
10. Is the wastestream subject to the Marine Pollutant Regulations? Yes ☐ No ☒
11. Is the wastestream subject to Benzene NESHAP? Yes ☐ No ☒
    If yes, is the wastestream subject to Notification and Control Requirements? Yes ☐ No ☒
    Benzene concentration _____ ppm
12. Is the wastestream subject to RCRA subpart CC controls? Yes ☐ No ☒
    Volatile organic concentration, if known _____ ppmw
    CC approved analytical method ☐ Generator Knowledge ☐
13. Is the wastestream from a CERCLA or state mandated cleanup? Yes ☐ No ☒

14. **Container Information** (*Identify UN container marking if known*)
    **Packaging: Bulk Solid** ☐ Type/Size: _____ **Bulk Liquid** ☐ Type/Size: _____ **Drum** ☒ Type/Size: **55 gal**
    **Other** _____
    **Shipping Frequency:** Units _____ Per Month ☐ Quarter ☐ Year ☐ One Time ☒ Other _____

15. **Additional Information:** _____

Is analytical or an MSDS available that describes the waste? Yes ☒ No ☐ If yes, please attach.

**GENERATOR CERTIFICATION**

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

| Chris Hipson | 937-333-3820 | 8-10-11 |
|---|---|---|
| **NAME** (PRINT OR TYPE) | **PHONE** | **DATE** |
| [signature] | Senior Development Specialist | |
| **SIGNATURE** | **TITLE** | |

**FACILITY NOTIFICATION**

If approved for management, Veolia ES has all the necessary permits and licenses for the waste that has been characterized and identified by this profile.

**TSDF PROCESSING USE ONLY: PPE REQUIRED** No _____ Yes _____ Describe _____



**WIP No.** _____

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& 6.3

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | [illegible] | 1 | [illegible] | 00825525 JJK |

**GENERATOR**

5. Generator's Name and Mailing Address
CITY OF DAYTON
101 WEST THIRD ST (PO
DAYTON OH 45402)

Generator's Site Address (if different than mailing address)
101 TAYLOR STREET
DAYTON OH 45417

Generator's Phone: (937) 333-3620

6. Transporter 1 Company Name: Ed Industrial Services — U.S. EPA ID Number: [illegible]

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Veolia Environmental Services
HWY 73, 5 Miles W of Taylor
Baytown
Port Arthur TX 77640

U.S. EPA ID Number: TXD000838705

Facility's Phone: (800) 336-9793

| 9a. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. PCB WASTES, SOLID (POLYCHLORINATED BIPHENYLS, SOLID), 9, NA3077, PG III | 1 | DM | 1 | G | WASTE |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
profile #2206MC
E WATER CONTAINING PCBS - PLAYBOY
STORAGE START DATE: [illegible] CONTAINER ID NUMBER: [illegible]

**INT'L**

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] — Signature: [illegible] — Month / Day / Year

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [illegible] — Month / Day / Year

Transporter 2 Printed/Typed Name — Signature — Month / Day / Year

**DESIGNATED FACILITY**

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month / Day / Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month / Day / Year

# APPENDIX D
# LABORATORY ANALYTICAL RESULTS

## Sludge Sample from Building 15 Trench

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 22, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTK0843
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 11/18/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-111810-15T-Sludge | DTK0843-01 | 11/18/10 10:45 |

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ., eston Solutions Inc. (Dayton, OH) | Work Order: | DTK0843 | Received: 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/22/10 17:10 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0843-01 (TT-111810-15T-Sludge - Non-aqueous)** | | | | | **Sampled: 11/18/10 10:45** | | | **Recvd: 11/18/10 11:42** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **79.4** | | % | 0.100 | 1 | 11/18/10 14:15 | jlb | 10K0854 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.126 | | mg/kg dry | 0.126 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1221 | <0.126 | | mg/kg dry | 0.126 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1232 | <0.126 | | mg/kg dry | 0.126 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1242 | <0.126 | | mg/kg dry | 0.126 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1248 | <0.126 | | mg/kg dry | 0.126 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| **PCB-1254** | **951** | | mg/kg dry | 126 | 1000 | 11/19/10 14:20 | JBP | 10K0821 | SW 8082 |
| PCB-1260 | <0.126 | | mg/kg dry | 0.126 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *150 %* | *Z3* | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *33 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0843 | Received: 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/22/10 17:10 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0821 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0821 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0821* | | | mg/kg wet | | | | | *70* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0821* | | | mg/kg wet | | | | | *67* | | *10-149* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0843
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/22/10 17:10

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK0823-12** | | | | | | | | | | | | | |
| Dry Weight | 10K0854 | 93.4 | | % | N/A | 0.100 | 93.2 | | | | 0 | 20 | |
| **QC Source Sample: DTK0824-02** | | | | | | | | | | | | | |
| Dry Weight | 10K0854 | 56.6 | | % | N/A | 0.100 | 55.3 | | | | 2 | 20 | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0843 | Received: 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/22/10 17:10 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0821 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.403 | | 81 | | 35-154 | | | |
| PCB-1260 | 10K0821 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.421 | | 84 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0821* | | | mg/kg wet | | | | | *73* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0821* | | | mg/kg wet | | | | | *75* | | *10-149* | | | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ..eston Solutions Inc. (Dayton, OH) | Work Order: | DTK0843 | Received: 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/22/10 17:10 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0821-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0821 | <0.5550782 | 0.555 | mg/kg dry | N/A | 0.111 | 0.356 | 0.318 | 64 | 57 | 35-154 | 11 | 25 | |
| PCB-1260 | 10K0821 | <0.5550782 | 0.555 | mg/kg dry | N/A | 0.111 | 0.383 | 0.342 | 69 | 61 | 22-171 | 12 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0821* | | | mg/kg dry | | | | | *68* | *56* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0821* | | | mg/kg dry | | | | | *62* | *59* | *10-149* | | | |

TestAmerica
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| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0843 | Received: | 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 11/22/10 17:10 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

**Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

**Wipe Samples from Steel Liner**
**Southern Portion of Building 15 Trench**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

December 09, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTL0170
Project Name: Tech Town Remediation
Project Number: 12473.005.007.004

Date Received: 12/03/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-120310-15T-WS-01 | DTL0170-01 | 12/03/10 14:07 |
| TT-120310-15T-WS-02 | DTL0170-02 | 12/03/10 14:09 |
| TT-120310-15T-WS-03 | DTL0170-03 | 12/03/10 14:11 |
| TT-120310-15T-WS-04 | DTL0170-04 | 12/03/10 14:13 |
| TT-120310-15T-WS-05 | DTL0170-05 | 12/03/10 14:14 |
| TT-120310-15T-WS-06 | DTL0170-06 | 12/03/10 14:16 |
| TT-120310-15T-WS-08 | DTL0170-08 | 12/03/10 14:18 |
| TT-120310-15T-WS-09 | DTL0170-09 | 12/03/10 14:22 |
| TT-120310-15T-WS-10 | DTL0170-10 | 12/03/10 14:23 |

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

SA Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0170
Project: Tech Town Remediation
Project Number: 12473.005.007.004

Received: 12/03/10
Reported: 12/09/10 16:30

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0170-01 (TT-120310-15T-WS-01 - Wipe)** | | | | | **Sampled: 12/03/10 14:07** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **PCB-1254** | **48.4** | | ug/Wipe | 25.0 | 20 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *46 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *38 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **Sample ID: DTL0170-02 (TT-120310-15T-WS-02 - Wipe)** | | | | | **Sampled: 12/03/10 14:09** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| 242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| -1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **PCB-1254** | **1.48** | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *46 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *48 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **Sample ID: DTL0170-03 (TT-120310-15T-WS-03 - Wipe)** | | | | | **Sampled: 12/03/10 14:11** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **PCB-1254** | **2.64** | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *44 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *51 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **Sample ID: DTL0170-04 (TT-120310-15T-WS-04 - Wipe)** | | | | | **Sampled: 12/03/10 14:13** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| 254 | **2.12** | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0170
Project: Tech Town Remediation
Project Number: 12473.005.007.004

Received: 12/03/10
Reported: 12/09/10 16:30

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0170-04 (TT-120310-15T-WS-04 - Wipe) - cont.** | | | | | **Sampled: 12/03/10 14:13** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs - cont. | | | | | | | | | |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *47 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *46 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **Sample ID: DTL0170-05 (TT-120310-15T-WS-05 - Wipe)** | | | | | **Sampled: 12/03/10 14:14** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **PCB-1254** | **70.9** | | ug/Wipe | 25.0 | 20 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *44 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *31 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **Sample ID: DTL0170-06 (TT-120310-15T-WS-06 - Wipe)** | | | | | **Sampled: 12/03/10 14:16** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **PCB-1254** | **12.8** | | ug/Wipe | 6.25 | 5 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *44 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *40 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **Sample ID: DTL0170-08 (TT-120310-15T-WS-08 - Wipe)** | | | | | **Sampled: 12/03/10 14:18** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1254 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *46 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *43 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0170
Project: Tech Town Remediation
Project Number: 12473.005.007.004

Received: 12/03/10
Reported: 12/09/10 16:30

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0170-09 (TT-120310-15T-WS-09 - Wipe)** | | | | | **Sampled: 12/03/10 14:22** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **PCB-1254** | **12.8** | | ug/Wipe | 6.25 | 5 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *46 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *47 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **Sample ID: DTL0170-10 (TT-120310-15T-WS-10 - Wipe)** | | | | | **Sampled: 12/03/10 14:23** | | | **Recvd: 12/03/10 17:03** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1221 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1232 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| 242 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| 1248 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| **PCB-1254** | **4.98** | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| PCB-1260 | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| Total PCBs | <1.25 | | ug/Wipe | 1.25 | 1 | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (44-150%)* | *49 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-150%)* | *45 %* | | | | | 12/06/10 12:44 | jbp | 10L0206 | SW 8082 |

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0170 | Received: 12/03/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/09/10 16:30 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0206 | | | ug/Wipe | N/A | 1.25 | <1.25 | | | | | | | |
| PCB-1260 | 10L0206 | | | ug/Wipe | N/A | 1.25 | <1.25 | | | | | | | |
| Total PCBs | 10L0206 | | | ug/Wipe | N/A | 1.25 | <1.25 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0206* | | | ug/Wipe | | | | | *56* | | *44-150* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0206* | | | ug/Wipe | | | | | *48* | | *10-150* | | | |

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|---|---|---|---|
| .eston Solutions Inc. (Dayton, OH) | Work Order: | DTL0170 | Received: 12/03/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/09/10 16:30 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0206 | | 2.50 | ug/Wipe | N/A | 1.25 | 1.63 | | 65 | | 53-133 | | | |
| PCB-1260 | 10L0206 | | 2.50 | ug/Wipe | N/A | 1.25 | 1.45 | | 58 | | 58-134 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0206* | | | ug/Wipe | | | | | *56* | | *44-150* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0206* | | | ug/Wipe | | | | | *48* | | *10-150* | | | |

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|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0170 | Received: 12/03/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/09/10 16:30 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | |
| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTL0170-08** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0206 | 0.00 | 2.50 | ug/Wipe | N/A | 1.25 | 1.62 | 1.60 | 65 | 64 | 53-133 | 1 | 25 | |
| PCB-1260 | 10L0206 | 0.00 | 2.50 | ug/Wipe | N/A | 1.25 | 1.60 | 1.75 | 64 | 70 | 58-134 | 9 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0206* | | | ug/Wipe | | | | | *54* | *54* | *44-150* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0206* | | | ug/Wipe | | | | | *47* | *44* | *10-150* | | | |

| | | | | | |
|---|---|---|---|---|---|
| ..eston Solutions Inc. (Dayton, OH) | Work Order: | DTL0170 | Received: | 12/03/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 12/09/10 16:30 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

# Chain of Cus Record

DTL0170

TestAmerica
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TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | | |
|---|---|---|---|---|---|
| Company Name: WESTON SOLUTIONS, INC. | Client Project Manager: LAURA FUNK | Site Contact: | Lab Contact: | COC No: | |
| Address: 711 E MONUMENT AVE SUITE 201 | Telephone: 937 531 4402 | Telephone: | Telephone: | ____ of ____ COCs | |
| City/State/Zip: DAYTON, OH 45402 | Email: LAURA.FUNK@WESTONSOLUTIONS.COM | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only | |
| Phone: 937 531 4400 | | TAT if different from below ____ | | Walk-in client ☐ | |
| Project Name: TECH TOWN | Method of Shipment/Carrier: HAND CARRIED BY SAMPLER | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☑ 2 days ☐ 1 day | | Lab pickup ☐ | |
| Project Number: 12473.005.007.0404 | Shipping/Tracking No: | | | Lab sampling ☐ | |
| PO # | | | | Job/SDG No: | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: WIPE | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: WIPE | Filtered Sample (Y/N) | Composite (C)/Grab (G) | PCB WIPE 8082 | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-120310-1ST-WS-01 | 12/3/10 | 1407 | | | | | X | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-02 | | 1409 | | | | | | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-03 | | 1411 | | | | | | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-04 | | 1413 | | | | | | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-05 | | 1414 | | | | | | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-06 | | 1416 | | | | | | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-07 | | 1418 | | | | | | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-08 | | 1418 | | | | | | | | | | | | 2 | | | X | |
| TT-120310-1ST-WS-09 | | 1422 | | | | | | | | | | | | 1 | | | X | |
| TT-120310-1ST-WS-10 | | 1423 | | | | | | | | | | | | 1 | | | X | |

Possible Hazard Identification: ☐ 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:

3-DAY TURN REQUESTED

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | Weston Solutions | 12/3/10, 1703 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received To Laboratory by: | Company: | Date/Time: |
| | | | | TA | 12/3/10 1703 |

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# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Weston Solutions
☐ Short Hold Work Order # DTZ0170
☒ Rush ☐24hr ☑2day ☐3day ☐5day ☐other
Receipt evaluation performed by - Initials: RSO Date: 12/3/10 Time: 1705

Method of Shipment:
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

Shipping Container Type:
☒ Cooler ☐ Box
☐ None ☐ Other
Packing Materials:
☑ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

Custody Seals Intact:
☐ Yes ☐ No
☑ N/A (not used or required)
Cooling Materials:
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☐ No ☐ Yes (If Yes, *Project Manager must be notified).*

☐ Check if Additional Sheets Required

Receipt Temperatures

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| 0 | 14.5 | 13.5 | ☐ | ☑ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

Client Contact Record
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

Rush

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

12/7/10 181

Reviewed by PM: Signature Date Page

## Sludge Sample from the Interstitial Space of Building 15 Trench

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December 10, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTL0307
Project Name: Tech Town Remediation
Project Number: 12473.005.007.004

Date Received: 12/07/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-120710-15T-SL-01 | DTL0307-01 | 12/07/10 14:00 |

**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0307 | Received: | 12/07/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 12/10/10 15:59 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | | |
| Laura Funk | | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0307-01 (TT-120710-15T-SL-01 - Non-aqueous)** | | | | | **Sampled: 12/07/10 14:00** | | | **Recvd: 12/07/10 16:48** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **84.3** | | % | 0.100 | 1 | 12/08/10 11:30 | jlb | 10L0315 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <1.14 | | mg/kg dry | 1.14 | 1 | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| PCB-1221 | <1.14 | | mg/kg dry | 1.14 | 1 | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| PCB-1232 | <1.14 | | mg/kg dry | 1.14 | 1 | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| PCB-1242 | <1.14 | | mg/kg dry | 1.14 | 1 | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| PCB-1248 | <1.14 | | mg/kg dry | 1.14 | 1 | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| **PCB-1254** | **750** | | mg/kg dry | 114 | 100 | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| PCB-1260 | <1.14 | | mg/kg dry | 1.14 | 1 | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *35 %* | | | | | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *34 %* | | | | | 12/10/10 15:35 | JBP | 10L0311 | SW 8082 |

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| | | | |
|---|---|---|---|
| ..eston Solutions Inc. (Dayton, OH) | Work Order: | DTL0307 | Received: 12/07/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/10/10 15:59 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0311 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10L0311 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0311* | | | mg/kg wet | | | | | *55* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0311* | | | mg/kg wet | | | | | *62* | | *10-149* | | | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0307 | Received: 12/07/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/10/10 15:59 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | |
| Laura Funk | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTL0229-01** | | | | | | | | | | | | | |
| Dry Weight | 10L0315 | 95.1 | | % | N/A | 0.100 | 95.1 | | | | 0 | 20 | |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0307
Project: Tech Town Remediation
Project Number: 12473.005.007.004

Received: 12/07/10
Reported: 12/10/10 15:59

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0311 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.317 | | 63 | | 35-154 | | | |
| PCB-1260 | 10L0311 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.293 | | 59 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0311* | | | mg/kg wet | | | | | *57* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0311* | | | mg/kg wet | | | | | *59* | | *10-149* | | | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0307 | Received: | 12/07/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 12/10/10 15:59 |
| Dayton, OH 45402 | Project Number: | 12473.005.007.004 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

# Chain of Custody Record

DTL 0307

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| **Company Name:** WESTON SOLUTIONS, INC. | **Client Project Manager:** LAURA FUNK | **Site Contact:** | **Lab Contact:** | **COC No:** |
| **Address:** 711 E. MONUMENT AVE. SUITE 201 | **Telephone:** 937 531 4402 | **Telephone:** | **Telephone:** | ____ of ____ COCs |
| **City/State/Zip:** DAYTON, OH 45402 | **Email:** LAURA.FUNK@WESTONSOLUTIONS.COM | **Analysis Turnaround Time** (in BUS days) | **Analyses** | **For lab use only** |
| **Phone:** 937 531 4400 | | TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | ☐ Walk-in client ☐ Lab pickup ☐ Lab sampling |
| **Project Name:** TECH TOWN | **Method of Shipment/Carrier:** HAND CARRIED | | | |
| **Project Number:** 12473.005.007.0400 | **Shipping/Tracking No:** | | | **Job/SDG No:** |
| **PO#** | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C / Grab=G | PCB 8082 | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-120710-1ST-SL-01 | 12/7/10 | 1400 | | | | X | | | | | | | | 1 VOA | | | X | |
| CAST ITEM | | | | | | | | | | | | | | | | | | |

**Possible Hazard Identification**
☐ 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:**
3-DAY TAT REQUESTED

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| T-SMITH | WESTON | 12/7/10 1622 | | | 1622 12/7/10 |
| | WESTON | 12/7/10 1648 | | | |
| | | | | TA | 12/7/10 1648 |

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID: Weston Solutions
☐ Short Hold Work Order #: DTC0307
☒ Rush ☐ 24hr ☑ 2day ☐ 3day ☐ 5day ☐ other
Receipt evaluation performed by - Initials: SLO Date: 12/7/10 Time: 1448

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☑ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☑ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☒ N/A (not used or required)
**Cooling Materials:**
☑ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ No ☐ Yes (If Yes, *Project Manager must be notified).*

**Receipt Temperatures** ☐ Check if Additional Sheets Required

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| CA | 5.0 | 4.1 | ☐ | ☒ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

SL 12/8/10
Reviewed by PM Signature Date

1 of 1
Page of

## Concrete Samples from the Building 15 Trench

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

January 12, 2011

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DUA0361
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 01/10/11

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-CC-011011-001 | DUA0361-01 | 01/10/11 13:14 |
| TT-CC-011011-002 | DUA0361-02 | 01/10/11 13:20 |
| TT-CC-011011-003 | DUA0361-03 | 01/10/11 13:30 |
| TT-CC-011011-004 | DUA0361-04 | 01/10/11 13:32 |
| TT-CC-011011-005 | DUA0361-05 | 01/10/11 13:45 |
| TT-CC-011011-006 | DUA0361-06 | 01/10/11 14:00 |
| TT-CC-011011-007 | DUA0361-07 | 01/10/11 14:10 |
| TT-CC-011011-008 | DUA0361-08 | 01/10/11 14:35 |
| TT-CC-011011-009 | DUA0361-09 | 01/10/11 14:43 |
| TT-CC-011011-010 | DUA0361-10 | 01/10/11 14:46 |
| TT-CC-011011-011 | DUA0361-11 | 01/10/11 14:50 |
| TT-RIN-011011-001 | DUA0361-12 | 01/10/11 15:30 |

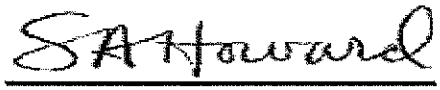
**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

*Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.*

*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:



This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-01 (TT-CC-011011-001 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:14** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.9** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *93 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-02 (TT-CC-011011-002 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:20** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.1** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| 016 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| 1221 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *101 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-03 (TT-CC-011011-003 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:30** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.4** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *104 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *99 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: | 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-04 (TT-CC-011011-004 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:32** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.8** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *104 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *91 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-05 (TT-CC-011011-005 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:45** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.1** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *98 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *92 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-06 (TT-CC-011011-006 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:00** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.0** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *101 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *92 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-07 (TT-CC-011011-007 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:10** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.8** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *101 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *92 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-08 (TT-CC-011011-008 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:35** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.7** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| `016 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| .-1221 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **PCB-1254** | **0.548** | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *98 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-09 (TT-CC-011011-009 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:43** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.3** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *96 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *89 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-10 (TT-CC-011011-010 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:46** | | **Recvd: 01/10/11 16:45** | | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.2** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **PCB-1254** | **0.520** | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *103 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-11 (TT-CC-011011-011 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:50** | | **Recvd: 01/10/11 16:45** | | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.1** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *96 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *83 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-12 (TT-RIN-011011-001 - Water - NonPotable)** | | | | | **Sampled: 01/10/11 15:30** | | **Recvd: 01/10/11 16:45** | | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1221 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1232 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1242 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1248 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1254 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1260 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-166%)* | *81 %* | | | | | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-157%)* | *58 %* | | | | | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0288 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 11A0288 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0288* | | | mg/kg wet | | | | | *105* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0288* | | | mg/kg wet | | | | | *87* | | *10-149* | | | |
| PCB-1016 | 11A0295 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 11A0295 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0295* | | | ug/L | | | | | *78* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0295* | | | ug/L | | | | | *94* | | *10-157* | | | |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DUA0361-01** | | | | | | | | | | | | | |
| Dry Weight | 11A0312 | 93.9 | | % | N/A | 0.100 | 94.2 | | | | 0 | 10 | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0288 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.572 | | 114 | | 35-154 | | | |
| PCB-1260 | 11A0288 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.602 | | 120 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0288* | | | mg/kg wet | | | | | *104* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0288* | | | mg/kg wet | | | | | *97* | | *10-149* | | | |
| PCB-1016 | 11A0295 | | 0.500 | ug/L | N/A | 0.100 | 0.500 | | 100 | | 16-202 | | | |
| PCB-1260 | 11A0295 | | 0.500 | ug/L | N/A | 0.100 | 0.491 | | 98 | | 22-210 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0295* | | | ug/L | | | | | *80* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0295* | | | ug/L | | | | | *74* | | *10-157* | | | |

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4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DUA0361-05** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0288 | <0.5259901 | 2.52 | mg/kg dry | N/A | 0.504 | 2.80 | 2.74 | 111 | 106 | 35-154 | 2 | 25 | |
| PCB-1260 | 11A0288 | <0.5259901 | 2.52 | mg/kg dry | N/A | 0.504 | 3.24 | 3.28 | 129 | 127 | 22-171 | 1 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0288* | | | mg/kg dry | | | | | *102* | *99* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0288* | | | mg/kg dry | | | | | *95* | *96* | *10-149* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

| | | | |
|---|---|---|---|
| Work Order: | DUA0361 | Received: | 01/10/11 |
| Project: | Tech Town Remediation | Reported: | 01/12/11 17:23 |
| Project Number: | 12473.005.007 | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

# Chain of Cus Record

DVA 0361

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solutions, Inc. | Client Project Manager: Laura Funk | Site Contact: Tim Smith | Lab Contact: | COC No: |
| Address: 711 E Monument Ave, Ste 201 | Telephone: 937-531-4402 | Telephone: 937-367-7475 | Telephone: | 1 of 2 COCs |
| City/State/Zip: Dayton/OH/45402 | Email: Laura.Funk@westonsolutions.com | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only |
| Phone: 937-531-4400 | | TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☑ 2 days ☐ 1 day | | Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ |
| Project Name: Tech Town | Method of Shipment/Carrier: | | | |
| Project Number: 12473.005.007 | Shipping/Tracking No: | | | Job/SDG No: |
| PO# | | | | |

Matrix: Air, Aqueous, Sediment, Solid, Other: Wipe

Containers & Preservatives: H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH, Unpres, Other: None

Analyses: PCBs (8082)

| Sample Identification | Sample Date | Sample Time | Air | Aqueous | Sediment | Solid | Other: Wipe | H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: None | Filtered Sample (Y/N) | Composite=C / Grab=G | PCBs (8082) | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-CC-011011-001 | 1/10/11 | 1314 | | | | | | | | | | | X | 1 | N | C | | |
| TT-CC-011011-002 | | 1320 | | | | | | | | | | | | 1 | | | | |
| TT-CC-011011-003 | | 1330 | | | | | | | | | | | | 1 | | | | |
| TT-CC-011011-004 | | 1332 | | | | | | | | | | | | 1 | | | | |
| TT-CC-011011-005 | | 1345 | | | | | | | | | | | | 3 | | | | MS/MSD — 3 Containers |
| TT-CC-011011-006 | | 1400 | | | | | | | | | | | | 1 | | | | |
| TT-CC-011011-007 | | 1410 | | | | | | | | | | | | 1 | | | | |
| TT-CC-011011-008 | | 1435 | | | | | | | | | | | | 1 | | | | |
| TT-CC-011011-009 | | 1443 | | | | | | | | | | | | 1 | | | | |
| TT-CC-011011-010 | | 1446 | | | | | | | | | | | | 1 | | | | |

Possible Hazard Identification: ☒ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| David Sena | Weston | 1-10-11 / 1645 | | | |
| | | | | | |
| | | | Received in Laboratory by: [signature] | TA | 1/10/11 1645 |

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TAL-0018 (1008)

# Chain of Custody Record

DUA-2361

TestAmerica
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TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| **Company Name:** Weston Solutions Inc. | **Client Project Manager:** Laura Funk | **Site Contact:** Tim Smith | **Lab Contact:** | **COC No:** |
| **Address:** 711 E Monument Ave, Ste 201 | **Telephone:** 937-531-4402 | **Telephone:** 937-367-7475 | **Telephone:** | 2 of 2 COCs |
| **City/State/Zip:** Dayton/OH/45402 | **Email:** laura.funk@westonsolutions.com | **Analysis Turnaround Time** (in BUS days) | **Analyses** | **For lab use only** |
| **Phone:** 937-531-4400 | | TAT if different from below _____ | | Walk-in client ☐ |
| **Project Name:** Tech Town | **Method of Shipment/Carrier:** By hand by client | ☐ 3 weeks | | Lab pickup ☐ |
| **Project Number:** 124B005.007 | **Shipping/Tracking No:** | ☐ 2 weeks | | Lab sampling ☐ |
| **PO #** | | ☐ 1 week | | Job/SDG No: |
| | | ☒ 2 days | | |
| | | ☐ 1 day | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C/ Grab=G | PCBs (8082) | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-CC-011011-011 | 1/10/11 | 1450 | | | | X | | | | | | | 1 | | N | C | X | |
| TT-RIN-011011-001 | 1/10/11 | 1530 | | X | | | | | | | | | 2 | | N | C | X | |
| 05 — Last Item | | | | | | | | | | | | | | | | | | 05 |
| | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

**Possible Hazard Identification**
☒ 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:**

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| David Sims | Weston | 1/10/11 1645 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | | | | | |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |
| | | | [signature] | TA | 1/10/11 1645 |

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID: Weston
☐ Short Hold Work Order #: DVR0501
☒ Rush ☐24hr ☒2day ☐3day ☐5day ☐Other
Receipt evaluation performed by - Initials: SJO Date: 1/10/11 Time: 1645

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☒ Plastic Bags ☐ Foam
☒ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☒ N/A (not used or required)
**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ No ☐ Yes (If Yes, *Project Manager must be notified*).

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| 8 | 13.7 | 12.9 | ☐ | ☒ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

SR 1/11/11 1061

## Soil Samples from Building 15 Trench Excavation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

**Certified Lab Affidavit**

State of Ohio )
) ss:
County of Montgomery )

I, ***Shelly Howard***, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by TestAmerica Laboratories, Inc. as ***Project Manager***. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. TestAmerica Laboratories, Inc. performed analyses for ***Weston Solutions Inc.*** for a voluntary action at property known as ***Tech Town Remediation*** located in ***Dayton, Ohio.***

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

| Document ID | Date of Document |
|---|---|
| ***DUA0361*** | ***January 12, 2011*** |

6. TestAmerica Laboratories, Inc. was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

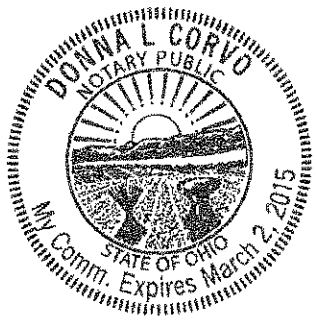
7. The analyses under this affidavit consist of certified data, as described by OAC 3745-300-04.

8. TestAmerica Laboratories, Inc. performed the analyses within its current VAP certification (CL0018). The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

9. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Signature of Affiant




Sworn to before me and subscribed in my presence this 12th day of January, 2011.

Notary Public

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

January 19, 2011

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DUA0553
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 01/14/11

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-SO-011311-T15N-01 | DUA0553-01 | 01/13/11 14:30 |
| TT-SO-011311-T15N-02 | DUA0553-02 | 01/13/11 14:35 |
| TT-SO-011411-T15N-01 | DUA0553-03 | 01/14/11 11:20 |
| TT-SO-011411-T15N-02 | DUA0553-04 | 01/14/11 11:30 |
| TT-SO-011411-T15N-03 | DUA0553-05 | 01/14/11 11:35 |

Ohio Certification Number: 4074, 857

*Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.*

*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: 01/14/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0553-01 (TT-SO-011311-T15N-01 - Non-aqueous)** | | | | | **Sampled: 01/13/11 14:30** | | | **Recvd: 01/14/11 14:38** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **92.4** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **457** | M | mg/kg dry | 108 | 1000 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *61 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *45 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **Sample ID: DUA0553-02 (TT-SO-011311-T15N-02 - Non-aqueous)** | | | | | **Sampled: 01/13/11 14:35** | | | **Recvd: 01/14/11 14:38** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **87.5** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **170** | | mg/kg dry | 22.8 | 200 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *76 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *73 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **Sample ID: DUA0553-03 (TT-SO-011411-T15N-01 - Non-aqueous)** | | | | | **Sampled: 01/14/11 11:20** | | | **Recvd: 01/14/11 14:38** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **84.5** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **59.7** | | mg/kg dry | 23.3 | 200 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *76 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *78 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |

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4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ..veston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: 01/14/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0553-04 (TT-SO-011411-T15N-02 - Non-aqueous)** | | | | | **Sampled: 01/14/11 11:30** | | | **Recvd: 01/14/11 14:38** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **84.9** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **207** | | mg/kg dry | 23.2 | 200 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *69 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *55 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **Sample ID: DUA0553-05 (TT-SO-011411-T15N-03 - Non-aqueous)** | | | | | **Sampled: 01/14/11 11:35** | | | **Recvd: 01/14/11 14:38** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **85.4** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| 016 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| ..-1221 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **488** | | mg/kg dry | 116 | 1000 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *70 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *61 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: 01/14/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0450 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 11A0450 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0450* | | | mg/kg wet | | | | | *94* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0450* | | | mg/kg wet | | | | | *105* | | *10-149* | | | |

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Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0553
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/14/11
Reported: 01/19/11 07:07

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DUA0553-05** | | | | | | | | | | | | | |
| Dry Weight | 11A0486 | 85.4 | | % | N/A | 0.100 | 90.7 | | | | 6 | 10 | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: 01/14/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0450 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.538 | | 108 | | 35-154 | | | |
| PCB-1260 | 11A0450 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.570 | | 114 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0450* | | | mg/kg wet | | | | | *94* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0450* | | | mg/kg wet | | | | | *96* | | *10-149* | | | |

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..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0553
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/14/11
Reported: 01/19/11 07:07

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DUA0553-01** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0450 | <0.1075255 | 0.536 | mg/kg dry | N/A | 0.107 | 1.55 | 1.62 | 290 | 301 | 35-154 | 4 | 25 | E,M |
| PCB-1260 | 11A0450 | <0.1075255 | 0.536 | mg/kg dry | N/A | 0.107 | 46.9 | 46.5 | 8760 | 8620 | 22-171 | 1 | 25 | E,M |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0450* | | | mg/kg dry | | | | | *60* | *68* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0450* | | | mg/kg dry | | | | | *51* | *46* | *10-149* | | | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: | 01/14/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| E | Concentration exceeds the calibration range and therefore result is semi-quantitative. |
| M | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

4738 GATEWAY CIR #H
DAYTON, OH

# Chain of Custody Record

DUA 0553

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: WESTON SOLUTIONS, INC. | Client Project Manager: LAURA FUNK | Site Contact: TIM SMITH | Lab Contact: | COC No: |
| Address: 711 E. MONUMENT AVE SUITE 201 | Telephone: 937.531.4402 | Telephone: 937-367-7675 | Telephone: | 1 of 1 COCs |
| City/State/Zip: DAYTON, OH 45402 | Email: | Analysis Turnaround Time (in BUS days) | Analyses | For lab use only |
| Phone: 937.531.4400 | | TAT if different from below 24 HR. ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐ |
| Project Name: TECH TOWN | Method of Shipment/Carrier: DIRECT FROM FIELD | | | |
| Project Number: 13473.005.007 | Shipping/Tracking No: | | | Job/SDG No: |
| PO# | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: $H_2SO_4$ | $HNO_3$ | HCl | NaOH | ZnAc/NaOH | Unpres | Other: NONE | Filtered Sample (Y/N) | Composite C/Grab G | PCB's 8082 | TCLP Hold | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-SO-011311-TISN-01 | 1/13/11 | 1430 | | | | X | | | | | | | | 1 | | | X | | |
| TT-SO-011311-TISN-02 | 1/13/11 | 1435 | | | | X | | | | | | | | 1 | | | X | | |
| TT-SO-011411-TISN-01 | 1/14/11 | 1120 | | | | X | | | | | | | | 1 | | | X | | |
| TT-SO-011411-TISN-02 | 1/14/11 | 1130 | | | | X | | | | | | | | 1 | | | X | | |
| TT-SO-011411-TISN-03 | 1/14/11 | 1135 | | | | X | | | | | | | | 1 | | | X | | |
| TT-SO-011411-TISN-04 | 1/14/11 | 1140 | | | | X | | | | | | | | 1 | | | | X | |
| LAST ITEM | | | | | | | | | | | | | | | | | | | |

**Possible Hazard Identification**
☒ 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:**
RUSH - 24 HR TURN

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| T-SMITH | WESTON | 1/14/11 1438 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: Jamin Tutalo | Company: TA | Date/Time: 1/14/11 14:38 |

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THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Wiston
☐ Short Hold Work Order # DUA 0553
☑ Rush ☐24hr ☐2day ☐3day ☐5day ☐other
Receipt evaluation performed by - Initials: JMT Date: 1/14/11 Time:

**Method of Shipment:**
☑ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☑ Cooler ☐ Box
☐ None ☐ Other

**Packing Materials:**
☐ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☑ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☑ N/A (not used or required)

**Cooling Materials:**
☐ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☑ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☑ No ☐ Yes *(if Yes, Project Manager must be notified).*

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 4.7 | 4.2 | ☑ | ☐ | ☑Yes ☑No | ☑Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

SL 1/14/11 logl

Reviewed by PM Ch...

## Sample of Amended Soil – AOI 44

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 05, 2010

Client:

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018

Attn: John Hlavacek

Work Order: DTK0092
Project Name: Dayton Tech Town
Project Number: Dayton Tech Town

Date Received: 11/02/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| #1 Lead Area | DTK0092-01 | 11/02/10 12:10 |

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTK0092
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 11/02/10
Reported: 11/05/10 16:51

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0092-01 (#1 Lead Area - Non-aqueous)** | | | | | **Sampled: 11/02/10 12:10** | | | **Recvd: 11/02/10 16:25** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **89.7** | | % | 0.100 | 1 | 11/03/10 10:45 | jlb | 10K0119 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| PCB-1221 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| PCB-1232 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| PCB-1242 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| PCB-1248 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| **PCB-1254** | **0.479** | | mg/kg dry | 0.111 | 1 | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| PCB-1260 | <0.111 | M1 | mg/kg dry | 0.111 | 1 | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *62 %* | | | | | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *48 %* | | | | | 11/04/10 12:03 | jbp | 10K0107 | SW 8082 |
| TCLP Metals by 1311/6000/7000 | | | | | | | | | |
| Arsenic | <0.500 | | mg/L | 0.500 | 1 | 11/04/10 17:42 | MJW | 10K0166 | SW 6010B |
| **Barium** | **0.276** | | mg/L | 0.100 | 1 | 11/04/10 17:42 | MJW | 10K0166 | SW 6010B |
| Cadmium | <0.150 | | mg/L | 0.150 | 1 | 11/04/10 17:42 | MJW | 10K0166 | SW 6010B |
| ıium | <0.200 | | mg/L | 0.200 | 1 | 11/04/10 17:42 | MJW | 10K0166 | SW 6010B |
| | <0.400 | | mg/L | 0.400 | 1 | 11/04/10 17:42 | MJW | 10K0166 | SW 6010B |
| Mercury | <0.00100 | | mg/L | 0.00100 | 1 | 11/05/10 11:05 | CAJ | 10K0179 | SW 7470A |
| Selenium | <0.500 | | mg/L | 0.500 | 1 | 11/04/10 17:42 | MJW | 10K0166 | SW 6010B |
| Silver | <0.200 | | mg/L | 0.200 | 1 | 11/04/10 17:42 | MJW | 10K0166 | SW 6010B |
| TCLP Volatile Organic Compounds by EPA Method 1311/8260B | | | | | | | | | |
| Benzene | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| 2-Butanone (MEK) | <2.50 | | mg/L | 2.50 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| Carbon tetrachloride | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| Chlorobenzene | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| Chloroform | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| 1,2-Dichloroethane | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| 1,1-Dichloroethene | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| Tetrachloroethene | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| Trichloroethene | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| Vinyl chloride | <0.200 | | mg/L | 0.200 | 200 | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *96 %* | | | | | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *93 %* | | | | | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *101 %* | | | | | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *98 %* | | | | | 11/04/10 17:39 | jmt | 10K0253 | SW 8260B |
| TCLP Semivolatile Compounds by EPA Method 1311/8270C | | | | | | | | | |
| 1,4-Dichlorobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| 2,4-Dinitrotoluene | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| Hexachlorobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| Hexachlorobutadiene | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| Hexachloroethane | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| ethylphenol (m&p Cresol) | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTK0092
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 11/02/10
Reported: 11/05/10 16:51

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0092-01 (#1 Lead Area - Non-aqueous) - cont.** | | | | | **Sampled: 11/02/10 12:10** | | | **Recvd: 11/02/10 16:25** | |
| TCLP Semivolatile Compounds by EPA Method 1311/8270C - cont. | | | | | | | | | |
| Nitrobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| Pentachlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| Pyridine | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| 2,4,5-Trichlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| 2,4,6-Trichlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| *Surr: 2-Fluorophenol (21-145%)* | *84 %* | | | | | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| *Surr: Phenol-d6 (10-149%)* | *128 %* | | | | | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| *Surr: Nitrobenzene-d5 (35-124%)* | *98 %* | | | | | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (43-134%)* | *92 %* | | | | | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (21-146%)* | *74 %* | | | | | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |
| *Surr: Terphenyl-d14 (34-149%)* | *90 %* | | | | | 11/05/10 13:56 | clh | 10K0156 | SW 8270C |

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| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0092 | Received: 11/02/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/05/10 16:51 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0107 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0107 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0107* | | | mg/kg wet | | | | | *88* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0107* | | | mg/kg wet | | | | | *69* | | *10-149* | | | |
| **TCLP Metals by 1311/6000/7000** | | | | | | | | | | | | | | |
| Arsenic | 10K0166 | | | mg/L | N/A | 0.500 | <0.500 | | | | | | | |
| Barium | 10K0166 | | | mg/L | N/A | 0.100 | <0.100 | | | | | | | |
| Cadmium | 10K0166 | | | mg/L | N/A | 0.150 | <0.150 | | | | | | | |
| Chromium | 10K0166 | | | mg/L | N/A | 0.200 | <0.200 | | | | | | | |
| Lead | 10K0166 | | | mg/L | N/A | 0.400 | <0.400 | | | | | | | |
| Selenium | 10K0166 | | | mg/L | N/A | 0.500 | <0.500 | | | | | | | |
| Silver | 10K0166 | | | mg/L | N/A | 0.200 | <0.200 | | | | | | | |
| Mercury | 10K0179 | | | mg/L | N/A | 0.000200 | <0.000200 | | | | | | | |
| **TCLP Volatile Organic Compounds by EPA Method 1311/8260B** | | | | | | | | | | | | | | |
| Benzene | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| 2-Butanone (MEK) | 10K0253 | | | mg/L | N/A | 0.0125 | <0.0125 | | | | | | | |
| Carbon tetrachloride | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| ›benzene | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| ›form | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| 1,2-Dichloroethane | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| 1,1-Dichloroethene | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Tetrachloroethene | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Trichloroethene | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Vinyl chloride | 10K0253 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0253* | | | mg/L | | | | | *98* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0253* | | | mg/L | | | | | *96* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0253* | | | mg/L | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0253* | | | mg/L | | | | | *98* | | *80-120* | | | |
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4-Dinitrotoluene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachlorobenzene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachlorobutadiene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachloroethane | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2-Methylphenol (o-Cresol) | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Nitrobenzene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Pentachlorophenol | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Pyridine | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4,5-Trichlorophenol | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4,6-Trichlorophenol | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *10K0156* | | | mg/L | | | | | *79* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10K0156* | | | mg/L | | | | | *119* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0156* | | | mg/L | | | | | *92* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0156* | | | mg/L | | | | | *90* | | *43-134* | | | |

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| | | | | | |
|---|---|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0092 | Received: | 11/02/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 11/05/10 16:51 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0156* | | | mg/L | | | | | *76* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *10K0156* | | | mg/L | | | | | *95* | | *34-149* | | | |
| 1,4-Dichlorobenzene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4-Dinitrotoluene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachlorobenzene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachlorobutadiene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachloroethane | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2-Methylphenol (o-Cresol) | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Nitrobenzene | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Pentachlorophenol | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Pyridine | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4,5-Trichlorophenol | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4,6-Trichlorophenol | 10K0156 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *10K0156* | | | mg/L | | | | | *1* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10K0156* | | | mg/L | | | | | *8* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0156* | | | mg/L | | | | | *88* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0156* | | | mg/L | | | | | *83* | | *43-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0156* | | | mg/L | | | | | *5* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *10K0156* | | | mg/L | | | | | *88* | | *34-149* | | | |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTK0092
Project: Dayton Tech Town
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Received: 11/02/10
Reported: 11/05/10 16:51

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK0092-01** | | | | | | | | | | | | | |
| Dry Weight | 10K0119 | 89.7 | | % | N/A | 0.100 | 91.6 | | | | 2 | 20 | |
| **QC Source Sample: DTK0097-10** | | | | | | | | | | | | | |
| Dry Weight | 10K0119 | 89.1 | | % | N/A | 0.100 | 89.0 | | | | 0 | 20 | |

TestAmerica
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4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0092 | Received: 11/02/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/05/10 16:51 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0107 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.478 | | 96 | | 35-154 | | | |
| PCB-1260 | 10K0107 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.397 | | 79 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0107* | | | mg/kg wet | | | | | *87* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0107* | | | mg/kg wet | | | | | *66* | | *10-149* | | | |
| **TCLP Metals by 1311/6000/7000** | | | | | | | | | | | | | | |
| Arsenic | 10K0166 | | 5.00 | mg/L | N/A | 0.500 | 5.02 | | 100 | | 80-120 | | | |
| Barium | 10K0166 | | 5.00 | mg/L | N/A | 0.100 | 5.11 | | 102 | | 80-120 | | | |
| Cadmium | 10K0166 | | 5.00 | mg/L | N/A | 0.150 | 4.96 | | 99 | | 80-120 | | | |
| Chromium | 10K0166 | | 5.00 | mg/L | N/A | 0.200 | 4.83 | | 97 | | 80-120 | | | |
| Lead | 10K0166 | | 5.00 | mg/L | N/A | 0.400 | 4.93 | | 99 | | 80-120 | | | |
| Selenium | 10K0166 | | 5.00 | mg/L | N/A | 0.500 | 4.93 | | 99 | | 80-120 | | | |
| Silver | 10K0166 | | 5.00 | mg/L | N/A | 0.200 | 4.86 | | 97 | | 80-120 | | | |
| Mercury | 10K0179 | | 0.00100 | mg/L | N/A | 0.000200 | 0.00101 | | 101 | | 80-120 | | | |
| **TCLP Volatile Organic Compounds by EPA Method 1311/8260B** | | | | | | | | | | | | | | |
| Benzene | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0201 | | 101 | | 79-120 | | | |
| 2-Butanone (MEK) | 10K0253 | | 0.0500 | mg/L | N/A | 0.0125 | 0.0490 | | 98 | | 69-121 | | | |
| Carbon tetrachloride | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0200 | | 100 | | 70-129 | | | |
| Chlorobenzene | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0201 | | 101 | | 78-120 | | | |
| Chloroform | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0198 | | 99 | | 77-120 | | | |
| 1,2-Dichloroethane | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0203 | | 102 | | 75-120 | | | |
| 1,1-Dichloroethene | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0176 | | 88 | | 71-121 | | | |
| Tetrachloroethene | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0190 | | 95 | | 62-128 | | | |
| Trichloroethene | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0199 | | 100 | | 77-120 | | | |
| Vinyl chloride | 10K0253 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0186 | | 93 | | 65-126 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0253* | | | mg/L | | | | | *102* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0253* | | | mg/L | | | | | *101* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0253* | | | mg/L | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0253* | | | mg/L | | | | | *99* | | *80-120* | | | |
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0369 | | 74 | | 47-120 | | | |
| 2,4-Dinitrotoluene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0492 | | 98 | | 41-146 | | | |
| Hexachlorobenzene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0441 | | 88 | | 65-128 | | | |
| Hexachlorobutadiene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0389 | | 78 | | 50-120 | | | |
| Hexachloroethane | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0387 | | 77 | | 41-120 | | | |
| 2-Methylphenol (o-Cresol) | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0459 | | 92 | | 57-120 | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0484 | | 97 | | 57-120 | | | |
| Nitrobenzene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0542 | | 108 | | 63-120 | | | |
| Pentachlorophenol | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0602 | | 120 | | 54-120 | | | |
| 2,4,5-Trichlorophenol | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0527 | | 105 | | 58-120 | | | |
| 2,4,6-Trichlorophenol | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0529 | | 106 | | 60-121 | | | |
| *Surrogate: 2-Fluorophenol* | *10K0156* | | | mg/L | | | | | *83* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10K0156* | | | mg/L | | | | | *131* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0156* | | | mg/L | | | | | *104* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0156* | | | mg/L | | | | | *99* | | *43-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0156* | | | mg/L | | | | | *81* | | *21-146* | | | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ..medial Construction Services Inc (Erlanger) | Work Order: | DTK0092 | Received: 11/02/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/05/10 16:51 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| *Surrogate: Terphenyl-d14* | *10K0156* | | | mg/L | | | | | *90* | | *34-149* | | | |
| 1,4-Dichlorobenzene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0366 | | 73 | | 47-120 | | | |
| 2,4-Dinitrotoluene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0463 | | 93 | | 41-146 | | | |
| Hexachlorobenzene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0436 | | 87 | | 65-128 | | | |
| Hexachlorobutadiene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0417 | | 83 | | 50-120 | | | |
| Hexachloroethane | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0403 | | 81 | | 41-120 | | | |
| 2-Methylphenol (o-Cresol) | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0228 | | 46 | | 57-120 | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0158 | | 32 | | 57-120 | | | |
| Nitrobenzene | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0514 | | 103 | | 63-120 | | | |
| Pentachlorophenol | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | <0.0100 | | | | 54-120 | | | |
| Pyridine | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0351 | | 70 | | 31-120 | | | |
| 2,4,5-Trichlorophenol | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | <0.0100 | | | | 58-120 | | | |
| 2,4,6-Trichlorophenol | 10K0156 | | 0.0500 | mg/L | N/A | 0.0100 | <0.0100 | | | | 60-121 | | | |
| *Surrogate: 2-Fluorophenol* | *10K0156* | | | mg/L | | | | | *1* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10K0156* | | | mg/L | | | | | *9* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0156* | | | mg/L | | | | | *99* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0156* | | | mg/L | | | | | *93* | | *43-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0156* | | | mg/L | | | | | *5* | | *21-146* | | | |
| *..ate: Terphenyl-d14* | *10K0156* | | | mg/L | | | | | *88* | | *34-149* | | | |

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|---|---|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0092 | Received: | 11/02/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 11/05/10 16:51 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0092-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0107 | <0.1111465 | 0.544 | mg/kg dry | N/A | 0.109 | 0.610 | 0.589 | 112 | 107 | 35-154 | 3 | 25 | |
| PCB-1260 | 10K0107 | <0.1111465 | 0.544 | mg/kg dry | N/A | 0.109 | 1.09 | 1.07 | 201 | 195 | 22-171 | 2 | 25 | M1 |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0107* | | | mg/kg dry | | | | | *81* | *79* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0107* | | | mg/kg dry | | | | | *58* | *52* | *10-149* | | | |
| **TCLP Metals by 1311/6000/7000** | | | | | | | | | | | | | | |
| **QC Source Sample: DTJ1324-01** | | | | | | | | | | | | | | |
| Mercury | 10K0179 | 0.0000439 | 0.00100 | mg/L | N/A | 0.000200 | 0.00114 | 0.00115 | 109 | 111 | 75-125 | 1 | 20 | |
| **TCLP Volatile Organic Compounds by EPA Method 1311/8260B** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0082-04** | | | | | | | | | | | | | | |
| Benzene | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 2.03 | 2.02 | 101 | 101 | 79-120 | 0 | 25 | |
| 2-Butanone (MEK) | 10K0253 | <1.25 | 5.00 | mg/L | N/A | 1.25 | 5.30 | 5.60 | 106 | 112 | 69-121 | 5 | 25 | |
| Carbon tetrachloride | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 2.09 | 2.08 | 104 | 104 | 70-129 | 1 | 25 | |
| Chlorobenzene | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 2.05 | 2.06 | 102 | 103 | 78-120 | 1 | 25 | |
| Chloroform | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 2.01 | 1.99 | 101 | 100 | 77-120 | 1 | 25 | |
| 1,2-Dichloroethane | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 2.07 | 2.06 | 104 | 103 | 75-120 | 0 | 25 | |
| 1,1-Dichloroethene | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 1.86 | 1.84 | 93 | 92 | 71-121 | 1 | 25 | |
| Tetrachloroethene | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 1.93 | 1.87 | 96 | 93 | 62-128 | 3 | 25 | |
| Trichloroethene | 10K0253 | 4.09 | 2.00 | mg/L | N/A | 0.100 | 6.92 | 6.30 | 142 | 110 | 77-120 | 9 | 25 | M |
| Vinyl chloride | 10K0253 | <0.1 | 2.00 | mg/L | N/A | 0.100 | 1.96 | 1.94 | 98 | 97 | 65-126 | 1 | 25 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0253* | | | mg/L | | | | | *104* | *104* | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0253* | | | mg/L | | | | | *102* | *102* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0253* | | | mg/L | | | | | *100* | *101* | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0253* | | | mg/L | | | | | *98* | *98* | *80-120* | | | |

| | | | | | |
|---|---|---|---|---|---|
| ..emedial Construction Services Inc (Erlanger) | Work Order: | DTK0092 | Received: | 11/02/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 11/05/10 16:51 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **M** | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |
| **M1** | The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS). |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

v analyses listed below were analyzed in satellite facilities

# Chain of Custody Record

DTK0092

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: DAYTON

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: RECON | Client Project Manager: JOHN HAVACEK | Site Contact: LARRY D NELSON | Lab Contact: BRIAN O'DONNELL | COC No: |
| Address: 1488 COLE AVE. | Telephone: 859-746-1140 EXT 103 | Telephone: 713-259-2190 | Telephone: 937 294-6856 | 1 of 1 COCs |
| City/State/Zip: ERLANGER, KY 41018 | Email: JOHN HAVACEK @ RECONSERVICES.COM | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only |
| Phone: 859-746-1140 EXT 103 | Method of Shipment/Carrier: YOURS | TAT if different from below 3 day Rush ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ |
| Project Name: DAYTON TECH TOWN | Shipping/Tracking No: | | | Job/SDG No: |
| Project Number: 2-2461-2-601 | | | | |
| PO# | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C / Grab=G | TCLP Metals, TCLP VOCs | TCLP SVOCs | PCBS | Ignitability | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #1 LEAD AREA | 11/2/10 | 1210hr | | | | ✓ | | | | | | | 1 | | N | G | X | X | X | | 3 Day TAT |
| #2 TANK | 11/2/10 | 1223hr | | ✓ | | | | | | | | | 1 | | N | G | | | | X | 1 Day TAT |
| | | | | | | | | | | | | | | | | | | | | | Log in each sample separate work orders - |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Possible Hazard Identification: ☑ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| [signature] | RECON | 11/2/10 1234hr | [signature] | TestAmerica | 11-2-10 12:34 PM |
| Relinquished by: [signature] | Company: TESTAMERICA | Date/Time: 11-2-10 16:25 | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: [signature] | Company: | Date/Time: 11/2/10 1625 |

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TestAmerica
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# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies
☐ Short Hold
☒ Rush ☐24hr ☐2day ☒3day ☐5day ☐other
Client ID Recon (Remedial Construction Services)
Work Order # DTK0042
Receipt evaluation performed by - Initials: RMS Date: 11-2-10 Time: 16:25

**Method of Shipment:**
☐ Walk-in Client ☒ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☒ Plastic Bags ☐ Foam
☒ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☒ Yes ☐ No
☐ N/A (not used or required)
**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

**Are there any soil samples from areas requiring USDA quarantine?** *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☐ No ☐ Yes (If Yes, *Project Manager must be notified).*

**Receipt Temperatures** ☐ Check if Additional Sheets Required

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| GIRGun | 6.6 | 5.6 | ☐ | ☒ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, **but not frozen.** For additional information, please refer to SOP DT-SCA-004 ***Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.***

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
**Contact via:** ☐ Phone ☐ Email ☐ Other **Person Contacted:** **Date/Time:**
☐ Discrepancy allowance agreement is on record in the client project file.
**Discussion/Resolution:**

***Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.***

Reviewed by PM Signature 11/2/10 Date



WI No. DT-SCA-WI-001.9
effective 10/18/10

# AOI 44 Soil Samples

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 18, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTK0479
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 11/10/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-111010-UST-QC | DTK0479-01 | 11/10/10 12:32 |
| TT-111010-HS-WW | DTK0479-02 | 11/10/10 14:43 |
| TT-111010-HS-NW | DTK0479-03 | 11/10/10 14:55 |
| TT-111010-HS-EW | DTK0479-04 | 11/10/10 15:03 |
| TT-111010-HS-SW | DTK0479-05 | 11/10/10 15:11 |
| TT-111010-HS-BOT | DTK0479-06 | 11/10/10 15:22 |

**Case Narrative:** Ohio VAP compliant.
Partial final report was previously delivered to the client to meet expedited TAT on certain samples. This report is all inclusive.

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0479
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/18/10 13:00

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0479-01 (TT-111010-UST-QC - Water - NonPotable)** | | | | | **Sampled: 11/10/10 12:32** | | | **Recvd: 11/10/10 16:53** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.200 | | ug/L | 0.200 | 1 | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| PCB-1221 | <0.200 | | ug/L | 0.200 | 1 | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| PCB-1232 | <0.200 | | ug/L | 0.200 | 1 | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| PCB-1242 | <0.200 | | ug/L | 0.200 | 1 | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| PCB-1248 | <0.200 | | ug/L | 0.200 | 1 | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| PCB-1254 | <0.200 | | ug/L | 0.200 | 1 | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| PCB-1260 | <0.200 | | ug/L | 0.200 | 1 | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-166%)* | *67 %* | | | | | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-157%)* | *76 %* | | | | | 11/17/10 16:30 | JBP | 10K0548 | SW 8082 |
| **Sample ID: DTK0479-02 (TT-111010-HS-WW - Non-aqueous)** | | | | | **Sampled: 11/10/10 14:43** | | | **Recvd: 11/10/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **92.3** | | % | 0.100 | 1 | 11/11/10 11:39 | jlb | 10K0475 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **85.2** | M | mg/kg dry | 0.208 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Arsenic** | **20.4** | | mg/kg dry | 2.08 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Barium** | **154** | M | mg/kg dry | 1.04 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Beryllium** | **0.680** | | mg/kg dry | 0.208 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| Cadmium | <0.729 | RL1 | mg/kg dry | 0.729 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Chromium** | **12.2** | | mg/kg dry | 2.08 | 20 | 11/13/10 13:16 | BMH | 10K0478 | SW 6020A |
| **Cobalt** | **5.52** | | mg/kg dry | 0.208 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Copper** | **434** | | mg/kg dry | 3.47 | 5 | 11/13/10 18:24 | MJW | 10K0445 | SW 6010B |
| **Iron** | **27700** | | mg/kg dry | 17.3 | 5 | 11/12/10 21:28 | MJW | 10K0445 | SW 6010B |
| **Lead** | **1180** | M | mg/kg dry | 0.208 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Manganese** | **364** | M | mg/kg dry | 1.04 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Mercury** | **0.338** | | mg/kg dry | 0.00888 | 1 | 11/12/10 10:54 | CAJ | 10K0487 | SW 7471A |
| **Nickel** | **14.2** | | mg/kg dry | 1.04 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| Selenium | <2.08 | | mg/kg dry | 2.08 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| **Silver** | **0.519** | | mg/kg dry | 0.104 | 20 | 11/12/10 21:18 | BMH | 10K0478 | SW 6020A |
| Thallium | <0.208 | | mg/kg dry | 0.208 | 20 | 11/13/10 13:16 | BMH | 10K0478 | SW 6020A |
| **Vanadium** | **27.5** | | mg/kg dry | 8.70 | 5 | 11/13/10 18:24 | MJW | 10K0445 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| PCB-1221 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| PCB-1232 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| PCB-1242 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| PCB-1248 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| **PCB-1254** | **0.673** | | mg/kg dry | 0.108 | 1 | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| PCB-1260 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *69 %* | | | | | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *63 %* | | | | | 11/12/10 22:14 | jbp | 10K0482 | SW 8082 |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0479 | Received: 11/10/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/18/10 13:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0479-03 (TT-111010-HS-NW - Non-aqueous)** | | | | | **Sampled: 11/10/10 14:55** | | | **Recvd: 11/10/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.3** | | % | 0.100 | 1 | 11/11/10 11:39 | jlb | 10K0475 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **42.5** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| **Arsenic** | **16.8** | | mg/kg dry | 2.10 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| **Barium** | **110** | | mg/kg dry | 1.05 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| **Beryllium** | **0.506** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| Cadmium | <0.420 | RL1 | mg/kg dry | 0.420 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| **Chromium** | **7.89** | | mg/kg dry | 2.10 | 20 | 11/13/10 13:20 | BMH | 10K0478 | SW 6020A |
| **Cobalt** | **5.18** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| **Copper** | **409** | | mg/kg dry | 3.39 | 5 | 11/13/10 18:27 | MJW | 10K0445 | SW 6010B |
| **Iron** | **26500** | | mg/kg dry | 17.0 | 5 | 11/12/10 21:31 | MJW | 10K0445 | SW 6010B |
| **Lead** | **888** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| **Manganese** | **220** | | mg/kg dry | 1.05 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| **Mercury** | **0.103** | | mg/kg dry | 0.00855 | 1 | 11/12/10 10:57 | CAJ | 10K0487 | SW 7471A |
| **Nickel** | **14.5** | | mg/kg dry | 1.05 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| 'um | <2.10 | | mg/kg dry | 2.10 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| .r | **0.236** | | mg/kg dry | 0.105 | 20 | 11/12/10 21:22 | BMH | 10K0478 | SW 6020A |
| Thallium | <0.210 | | mg/kg dry | 0.210 | 20 | 11/13/10 13:20 | BMH | 10K0478 | SW 6020A |
| **Vanadium** | **28.1** | | mg/kg dry | 8.51 | 5 | 11/13/10 18:27 | MJW | 10K0445 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.106 | | mg/kg dry | 0.106 | 1 | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| PCB-1221 | <0.106 | | mg/kg dry | 0.106 | 1 | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| PCB-1232 | <0.106 | | mg/kg dry | 0.106 | 1 | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| PCB-1242 | <0.106 | | mg/kg dry | 0.106 | 1 | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| PCB-1248 | <0.106 | | mg/kg dry | 0.106 | 1 | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| **PCB-1254** | **28.0** | | mg/kg dry | 5.30 | 50 | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| PCB-1260 | <0.106 | | mg/kg dry | 0.106 | 1 | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *58 %* | | | | | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *59 %* | | | | | 11/12/10 22:34 | jbp | 10K0482 | SW 8082 |

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Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0479
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/18/10 13:00

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0479-04 (TT-111010-HS-EW - Non-aqueous)** | | | | | **Sampled: 11/10/10 15:03** | | | **Recvd: 11/10/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **87.8** | | % | 0.100 | 1 | 11/11/10 11:39 | jlb | 10K0475 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **0.969** | | mg/kg dry | 0.223 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Arsenic** | **9.64** | | mg/kg dry | 2.23 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Barium** | **99.0** | | mg/kg dry | 1.12 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Beryllium** | **0.698** | | mg/kg dry | 0.223 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| Cadmium | <0.670 | RL1 | mg/kg dry | 0.670 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Chromium** | **15.1** | | mg/kg dry | 2.23 | 20 | 11/13/10 13:25 | BMH | 10K0478 | SW 6020A |
| **Cobalt** | **8.21** | | mg/kg dry | 0.223 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Copper** | **46.8** | | mg/kg dry | 3.77 | 5 | 11/13/10 18:38 | MJW | 10K0445 | SW 6010B |
| **Iron** | **19800** | | mg/kg dry | 18.8 | 5 | 11/12/10 21:33 | MJW | 10K0445 | SW 6010B |
| **Lead** | **50.7** | | mg/kg dry | 0.223 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Manganese** | **321** | | mg/kg dry | 1.12 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Mercury** | **0.160** | | mg/kg dry | 0.00918 | 1 | 11/12/10 11:04 | CAJ | 10K0487 | SW 7471A |
| **Nickel** | **15.9** | | mg/kg dry | 1.12 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| Selenium | <2.23 | | mg/kg dry | 2.23 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| **Silver** | **0.114** | | mg/kg dry | 0.112 | 20 | 11/12/10 21:27 | BMH | 10K0478 | SW 6020A |
| Thallium | <0.223 | | mg/kg dry | 0.223 | 20 | 11/13/10 13:25 | BMH | 10K0478 | SW 6020A |
| **Vanadium** | **29.8** | | mg/kg dry | 9.44 | 5 | 11/13/10 18:38 | MJW | 10K0445 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.112 | | mg/kg dry | 0.112 | 1 | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |
| PCB-1221 | <0.112 | | mg/kg dry | 0.112 | 1 | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |
| PCB-1232 | <0.112 | | mg/kg dry | 0.112 | 1 | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |
| PCB-1242 | <0.112 | | mg/kg dry | 0.112 | 1 | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |
| PCB-1248 | <0.112 | | mg/kg dry | 0.112 | 1 | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |
| **PCB-1254** | **2.75** | | mg/kg dry | 0.560 | 5 | 11/12/10 19:19 | jbp | 10K0482 | SW 8082 |
| PCB-1260 | <0.112 | | mg/kg dry | 0.112 | 1 | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *61 %* | | | | | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *55 %* | | | | | 11/12/10 22:53 | jbp | 10K0482 | SW 8082 |

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..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0479
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/18/10 13:00

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0479-05 (TT-111010-HS-SW - Non-aqueous)** | | | | | **Sampled: 11/10/10 15:11** | | | **Recvd: 11/10/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.1** | | % | 0.100 | 1 | 11/11/10 11:39 | jlb | 10K0475 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **2.81** | | mg/kg dry | 0.202 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Arsenic** | **6.60** | | mg/kg dry | 2.02 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Barium** | **87.0** | | mg/kg dry | 1.01 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Beryllium** | **0.440** | | mg/kg dry | 0.202 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| Cadmium | <0.506 | RL1 | mg/kg dry | 0.506 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Chromium** | **10.3** | | mg/kg dry | 2.02 | 20 | 11/13/10 13:30 | BMH | 10K0478 | SW 6020A |
| **Cobalt** | **5.38** | | mg/kg dry | 0.202 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Copper** | **36.8** | | mg/kg dry | 3.49 | 5 | 11/13/10 18:40 | MJW | 10K0445 | SW 6010B |
| **Iron** | **15900** | | mg/kg dry | 17.5 | 5 | 11/12/10 21:36 | MJW | 10K0445 | SW 6010B |
| **Lead** | **121** | | mg/kg dry | 0.202 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Manganese** | **413** | | mg/kg dry | 1.01 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Mercury** | **0.309** | | mg/kg dry | 0.00871 | 1 | 11/12/10 11:06 | CAJ | 10K0487 | SW 7471A |
| **Nickel** | **11.6** | | mg/kg dry | 1.01 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| ...m | <2.02 | | mg/kg dry | 2.02 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| | **0.126** | | mg/kg dry | 0.101 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| Thallium | <0.202 | | mg/kg dry | 0.202 | 20 | 11/12/10 21:31 | BMH | 10K0478 | SW 6020A |
| **Vanadium** | **19.5** | | mg/kg dry | 8.76 | 5 | 11/13/10 18:40 | MJW | 10K0445 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.105 | | mg/kg dry | 0.105 | 1 | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |
| PCB-1221 | <0.105 | | mg/kg dry | 0.105 | 1 | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |
| PCB-1232 | <0.105 | | mg/kg dry | 0.105 | 1 | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |
| PCB-1242 | <0.105 | | mg/kg dry | 0.105 | 1 | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |
| PCB-1248 | <0.105 | | mg/kg dry | 0.105 | 1 | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |
| **PCB-1254** | **1.11** | | mg/kg dry | 0.524 | 5 | 11/12/10 19:39 | jbp | 10K0482 | SW 8082 |
| PCB-1260 | <0.105 | | mg/kg dry | 0.105 | 1 | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *53 %* | | | | | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *44 %* | | | | | 11/12/10 23:13 | jbp | 10K0482 | SW 8082 |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0479
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/18/10 13:00

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0479-06 (TT-111010-HS-BOT - Non-aqueous)** | | | | | **Sampled: 11/10/10 15:22** | | | **Recvd: 11/10/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **90.6** | | % | 0.100 | 1 | 11/11/10 11:39 | jlb | 10K0475 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **14.7** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Arsenic** | **12.2** | | mg/kg dry | 2.10 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Barium** | **121** | | mg/kg dry | 1.05 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Beryllium** | **1.11** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| Cadmium | <0.736 | RL1 | mg/kg dry | 0.736 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Chromium** | **12.9** | | mg/kg dry | 2.10 | 20 | 11/13/10 13:34 | BMH | 10K0478 | SW 6020A |
| **Cobalt** | **5.76** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Copper** | **130** | | mg/kg dry | 3.51 | 5 | 11/13/10 18:43 | MJW | 10K0445 | SW 6010B |
| **Iron** | **18800** | | mg/kg dry | 17.6 | 5 | 11/12/10 21:38 | MJW | 10K0445 | SW 6010B |
| **Lead** | **380** | | mg/kg dry | 0.210 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Manganese** | **357** | | mg/kg dry | 1.05 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Mercury** | **0.279** | | mg/kg dry | 0.00811 | 1 | 11/12/10 11:09 | CAJ | 10K0487 | SW 7471A |
| **Nickel** | **14.5** | | mg/kg dry | 1.05 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| Selenium | <2.10 | | mg/kg dry | 2.10 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Silver** | **0.245** | | mg/kg dry | 0.105 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| Thallium | <0.210 | | mg/kg dry | 0.210 | 20 | 11/12/10 21:36 | BMH | 10K0478 | SW 6020A |
| **Vanadium** | **29.1** | | mg/kg dry | 8.81 | 5 | 11/13/10 18:43 | MJW | 10K0445 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| PCB-1221 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| PCB-1232 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| PCB-1242 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| PCB-1248 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| **PCB-1254** | **3.28** | | mg/kg dry | 0.548 | 5 | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| PCB-1260 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *66 %* | | | | | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *68 %* | | | | | 11/12/10 23:32 | jbp | 10K0482 | SW 8082 |

.,eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0479
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/18/10 13:00

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| Copper | 10K0445 | | | mg/kg wet | N/A | 0.666 | <0.666 | | | | | | | |
| Iron | 10K0445 | | | mg/kg wet | N/A | 3.33 | <3.33 | | | | | | | |
| Vanadium | 10K0445 | | | mg/kg wet | N/A | 1.67 | <1.67 | | | | | | | |
| Antimony | 10K0478 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Arsenic | 10K0478 | | | mg/kg wet | N/A | 2.00 | <2.00 | | | | | | | |
| Barium | 10K0478 | | | mg/kg wet | N/A | 1.00 | <1.00 | | | | | | | |
| Beryllium | 10K0478 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Cadmium | 10K0478 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Chromium | 10K0478 | | | mg/kg wet | N/A | 2.00 | <2.00 | | | | | | | |
| Cobalt | 10K0478 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Lead | 10K0478 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Manganese | 10K0478 | | | mg/kg wet | N/A | 1.00 | <1.00 | | | | | | | |
| Nickel | 10K0478 | | | mg/kg wet | N/A | 1.00 | <1.00 | | | | | | | |
| Selenium | 10K0478 | | | mg/kg wet | N/A | 2.00 | <2.00 | | | | | | | |
| Silver | 10K0478 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| Thallium | 10K0478 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Mercury | 10K0487 | | | mg/kg wet | N/A | 0.00833 | <0.00833 | | | | | | | |
| **anochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| .016 | 10K0482 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0482 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0482* | | | mg/kg wet | | | | | *77* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0482* | | | mg/kg wet | | | | | *101* | | *10-149* | | | |
| PCB-1016 | 10K0548 | | | ug/L | N/A | 0.200 | <0.200 | | | | | | | |
| PCB-1260 | 10K0548 | | | ug/L | N/A | 0.200 | <0.200 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0548* | | | ug/L | | | | | *54* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0548* | | | ug/L | | | | | *68* | | *10-157* | | | |

TestAmerica
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4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0479 | Received: 11/10/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/18/10 13:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK0394-01** | | | | | | | | | | | | | |
| Dry Weight | 10K0475 | 87.8 | | % | N/A | 0.100 | 89.7 | | | | 2 | 20 | |
| **QC Source Sample: DTK0479-02** | | | | | | | | | | | | | |
| Dry Weight | 10K0475 | 92.3 | | % | N/A | 0.100 | 92.8 | | | | 1 | 20 | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0479
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/18/10 13:00

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| Copper | 10K0445 | | 33.3 | mg/kg wet | N/A | 0.666 | 37.6 | | 113 | | 80-120 | | | |
| Iron | 10K0445 | | 33.3 | mg/kg wet | N/A | 3.33 | 36.1 | | 108 | | 80-120 | | | |
| Vanadium | 10K0445 | | 33.3 | mg/kg wet | N/A | 1.67 | 35.8 | | 108 | | 80-120 | | | |
| Antimony | 10K0478 | | 50.0 | mg/kg wet | N/A | 0.200 | 48.0 | | 96 | | 80-120 | | | |
| Arsenic | 10K0478 | | 50.0 | mg/kg wet | N/A | 2.00 | 46.9 | | 94 | | 80-120 | | | |
| Barium | 10K0478 | | 50.0 | mg/kg wet | N/A | 1.00 | 49.5 | | 99 | | 80-120 | | | |
| Beryllium | 10K0478 | | 50.0 | mg/kg wet | N/A | 0.200 | 48.7 | | 97 | | 80-120 | | | |
| Cadmium | 10K0478 | | 50.0 | mg/kg wet | N/A | 0.200 | 48.3 | | 97 | | 80-120 | | | |
| Chromium | 10K0478 | | 50.0 | mg/kg wet | N/A | 2.00 | 50.9 | | 102 | | 80-120 | | | |
| Cobalt | 10K0478 | | 50.0 | mg/kg wet | N/A | 0.200 | 49.0 | | 98 | | 80-120 | | | |
| Lead | 10K0478 | | 50.0 | mg/kg wet | N/A | 0.200 | 48.7 | | 97 | | 80-120 | | | |
| Manganese | 10K0478 | | 50.0 | mg/kg wet | N/A | 1.00 | 48.7 | | 97 | | 80-120 | | | |
| Nickel | 10K0478 | | 50.0 | mg/kg wet | N/A | 1.00 | 48.9 | | 98 | | 80-120 | | | |
| Selenium | 10K0478 | | 50.0 | mg/kg wet | N/A | 2.00 | 44.7 | | 89 | | 80-120 | | | |
| Silver | 10K0478 | | 50.0 | mg/kg wet | N/A | 0.100 | 48.8 | | 98 | | 80-120 | | | |
| Thallium | 10K0478 | | 50.0 | mg/kg wet | N/A | 0.200 | 49.1 | | 98 | | 80-120 | | | |
| Mercury | 10K0487 | | 0.0833 | mg/kg wet | N/A | 0.00833 | 0.0943 | | 113 | | 80-120 | | | |
| **·nochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| 016 | 10K0482 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.410 | | 82 | | 35-154 | | | |
| PCB-1260 | 10K0482 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.405 | | 81 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0482* | | | mg/kg wet | | | | | *77* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0482* | | | mg/kg wet | | | | | *78* | | *10-149* | | | |
| PCB-1016 | 10K0548 | | 1.00 | ug/L | N/A | 0.200 | 0.765 | | 76 | | 16-202 | | | |
| PCB-1260 | 10K0548 | | 1.00 | ug/L | N/A | 0.200 | 0.740 | | 74 | | 22-210 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0548* | | | ug/L | | | | | *62* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0548* | | | ug/L | | | | | *59* | | *10-157* | | | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0479 | Received: 11/10/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/18/10 13:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0394-01** | | | | | | | | | | | | | | |
| Copper | 10K0445 | 24.6 | 36.5 | mg/kg dry | N/A | 3.65 | 64.0 | 62.2 | 108 | 102 | 75-125 | 3 | 20 | |
| Iron | 10K0445 | 18000 | 36.5 | mg/kg dry | N/A | 18.2 | 20600 | 21800 | 7050 | 10400 | 75-125 | 6 | 20 | M |
| Vanadium | 10K0445 | 12.5 | 36.5 | mg/kg dry | N/A | 9.15 | 51.7 | 50.2 | 107 | 102 | 75-125 | 3 | 20 | |
| **QC Source Sample: DTK0479-02** | | | | | | | | | | | | | | |
| Antimony | 10K0478 | 85.2 | 53.1 | mg/kg dry | N/A | 0.212 | 56.6 | 76.2 | -54 | -18 | 75-125 | 30 | 20 | M |
| Arsenic | 10K0478 | 20.4 | 53.1 | mg/kg dry | N/A | 2.12 | 61.0 | 65.9 | 76 | 89 | 75-125 | 8 | 20 | |
| Barium | 10K0478 | 154 | 53.1 | mg/kg dry | N/A | 1.06 | 170 | 189 | 30 | 68 | 75-125 | 11 | 20 | M |
| Beryllium | 10K0478 | 0.680 | 53.1 | mg/kg dry | N/A | 0.212 | 44.0 | 47.6 | 82 | 92 | 75-125 | 8 | 20 | |
| Cadmium | 10K0478 | 0.695 | 53.1 | mg/kg dry | N/A | 0.212 | 45.6 | 47.0 | 85 | 91 | 75-125 | 3 | 20 | |
| Chromium | 10K0478 | 12.2 | 53.1 | mg/kg dry | N/A | 2.12 | 56.6 | 58.3 | 84 | 90 | 75-125 | 3 | 20 | |
| Cobalt | 10K0478 | 5.52 | 53.1 | mg/kg dry | N/A | 0.212 | 48.3 | 50.0 | 81 | 87 | 75-125 | 3 | 20 | |
| Lead | 10K0478 | 1180 | 53.1 | mg/kg dry | N/A | 0.212 | 682 | 1130 | -936 | -89 | 75-125 | 50 | 20 | M |
| Manganese | 10K0478 | 364 | 53.1 | mg/kg dry | N/A | 1.06 | 445 | 384 | 152 | 38 | 75-125 | 15 | 20 | M |
| Nickel | 10K0478 | 14.2 | 53.1 | mg/kg dry | N/A | 1.06 | 55.2 | 57.7 | 77 | 85 | 75-125 | 5 | 20 | |
| Selenium | 10K0478 | 0.433 | 53.1 | mg/kg dry | N/A | 2.12 | 42.3 | 43.4 | 79 | 84 | 75-125 | 3 | 20 | |
| Silver | 10K0478 | 0.519 | 53.1 | mg/kg dry | N/A | 0.106 | 44.4 | 45.5 | 83 | 88 | 75-125 | 3 | 20 | |
| Thallium | 10K0478 | 0.172 | 53.1 | mg/kg dry | N/A | 0.212 | 50.4 | 50.1 | 95 | 98 | 75-125 | 1 | 20 | |
| **QC Source Sample: DTK0394-01** | | | | | | | | | | | | | | |
| Mercury | 10K0487 | 0.0637 | 0.0890 | mg/kg dry | N/A | 0.00890 | 0.171 | 0.148 | 121 | 102 | 75-125 | 15 | 20 | |
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0478-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0482 | <0.4469726 | 2.48 | mg/kg dry | N/A | 0.495 | 2.13 | 2.04 | 86 | 82 | 35-154 | 4 | 25 | |
| PCB-1260 | 10K0482 | <0.4469726 | 2.48 | mg/kg dry | N/A | 0.495 | 2.20 | 2.13 | 89 | 86 | 22-171 | 3 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0482* | | | mg/kg dry | | | | | *78* | *74* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0482* | | | mg/kg dry | | | | | *79* | *73* | *10-149* | | | |
| **QC Source Sample: DTK0541-02** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0548 | <0.2222222 | 1.10 | ug/L | N/A | 0.220 | 0.921 | 0.854 | 84 | 76 | 16-202 | 7 | 25 | |
| PCB-1260 | 10K0548 | <0.2222222 | 1.10 | ug/L | N/A | 0.220 | 0.821 | 0.775 | 75 | 69 | 22-210 | 6 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0548* | | | ug/L | | | | | *75* | *69* | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0548* | | | ug/L | | | | | *70* | *62* | *10-157* | | | |

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| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0479 | Received: | 11/10/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 11/18/10 13:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **M** | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |
| **RL1** | Reporting limit raised due to sample matrix effects. |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

analyses listed below were analyzed in satellite facilities

# Chain of Custody Record

DTK0479

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: 4738 Gateway Circle, Dayton OH 45440

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OHIO-VAP

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solution | Client Project Manager: Laura Funk | Site Contact: Randy Mileur | Lab Contact: Shelly Howard | COC No: |
| Address: 711 East Monument Ave Ste 214 | Telephone: 937-531-4402 | Telephone: 907-230-8612 | Telephone: 937-294-6856 | 1 of 1 COCs |
| City/State/Zip: Dayton, OH 45402 | Email: Laura.Funk@westonsolutions.com | Analysis Turnaround Time (in BUS days) | Analyses | For lab use only |
| Phone: 937-531-4402 | | TAT if different from below 3 day | | Walk-in client ☐ |
| Project Name: Tech Town | Method of Shipment/Carrier: | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☒ 2 days ☐ 1 day | | Lab pickup ☐ Lab sampling ☐ |
| Project Number: 12473.005.007 | Shipping/Tracking No: | | | Job/SDG No: |
| PO# | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: Soil | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C/ Grab=G | PCB 8082 | TAL Metals | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-111010-UST-CB | 11/10/10 | 11:48 | | | | X | | | | | | | 1 | | | | X | | Concrete 2 Day Turn around |
| TT-111010-UST-CWW | 11/10/10 | 12:26 | | | | X | | | | | | | 1 | | | | X | | Concrete 2 Day Turn around |
| TT-111010-UST-QC | 11/10/10 | 12:32 | | X | | | | | | | | | 1 | | | | X | | QC Sample STD. |
| TT-111010-HS-WW | 11/10/10 | 14:43 | | | | | X | | | | | | 2 | | | | X | X | 3 Day Turn |
| TT-111010-HS-NW | 11/10/10 | 14:55 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111010-HS-EW | 11/10/10 | 15:03 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111010-HS-SW | 11/10/10 | 15:11 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111010-HS-Bot. | 11/10/10 | 15:22 | | | | | X | | | | | | 2 | | | | X | X | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Possible Hazard Identification: ☐ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Randy Mileur | Weston Solutions | 11/10/10 16:53 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: TA | Date/Time: 11-10-10 16:53 |

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Weston
☐ Short Hold Work Order # DTK0479
☐ Rush ☐24hr ☐2day ☒3day ☐5day ☐other
Receipt evaluation performed by - Initials: MJH Date: 11-10-11 Time: 16:55

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☒ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☒ N/A (not used or required)
**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

**Are there any soil samples from areas requiring USDA quarantine?** *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ No ☐ Yes (If Yes, *Project Manager must be notified).*

**Receipt Temperatures** ☐ Check if Additional Sheets Required

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| 6 | 5.0 | 4.6 | ☒ | ☐ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 ***Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.***

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

Reviewed by PM Signature 11/10/11 Date

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Certified Lab Affidavit

State of Ohio )
) ss:
County of Montgomery )

I, ***Shelly Howard***, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by TestAmerica Laboratories, Inc. as ***Project Manager.*** I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. TestAmerica Laboratories, Inc. performed analyses for ***Weston Solutions Inc.*** for a voluntary action at property known as ***Tech Town Remediation*** located in ***Dayton, Ohio.***

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

| Document ID | Date of Document |
|---|---|
| ***DTK0479*** | ***November 18, 2010*** |

6. TestAmerica Laboratories, Inc. was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

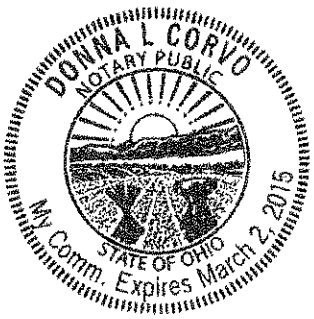
7. The analyses under this affidavit consist of certified data, as described by OAC 3745-300-04.

8. TestAmerica Laboratories, Inc. performed the analyses within its current VAP certification (CL0018). The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

9. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Signature of Affiant




Sworn to before me and subscribed in my presence this 18th day of November, 2010.

Notary Public

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 24, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTK0825
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 11/18/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-111710-HS-WWSE-1 | DTK0825-01 | 11/17/10 17:24 |
| TT-111710-HS-WWNE | DTK0825-02 | 11/17/10 17:29 |
| TT-111710-HS-NW | DTK0825-03 | 11/17/10 17:32 |
| TT-111710-HS-Bottom | DTK0825-04 | 11/17/10 17:36 |
| TT-111710-HS-WWSE-2 | DTK0825-05 | 11/17/10 17:24 |

**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

*Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.*

*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0825
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/24/10 16:02

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0825-01 (TT-111710-HS-WWSE-1 - Non-aqueous)** | | | | | **Sampled: 11/17/10 17:24** | | | **Recvd: 11/18/10 08:12** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **89.1** | | % | 0.100 | 1 | 11/18/10 14:15 | jlb | 10K0854 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **0.457** | | mg/kg dry | 0.208 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Arsenic** | **4.64** | | mg/kg dry | 2.08 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Barium** | **84.0** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| Beryllium | <0.415 | RL1 | mg/kg dry | 0.415 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| Cadmium | <0.519 | RL1 | mg/kg dry | 0.519 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Chromium** | **5.99** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Cobalt** | **3.27** | | mg/kg dry | 0.208 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Copper** | **25.2** | | mg/kg dry | 3.66 | 5 | 11/19/10 15:31 | MJW | 10K0826 | SW 6010B |
| **Iron** | **11000** | | mg/kg dry | 18.3 | 5 | 11/19/10 15:31 | MJW | 10K0826 | SW 6010B |
| **Lead** | **152** | | mg/kg dry | 0.208 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Manganese** | **611** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Mercury** | **0.425** | M | mg/kg dry | 0.00934 | 1 | 11/18/10 17:29 | MJW | 10K0846 | SW 7471A |
| Nickel | <11.4 | RL1 | mg/kg dry | 11.4 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| Selenium | <2.08 | | mg/kg dry | 2.08 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| Silver | <0.104 | | mg/kg dry | 0.104 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| Thallium | <0.208 | | mg/kg dry | 0.208 | 20 | 11/19/10 00:25 | BMH | 10K0827 | SW 6020A |
| **Vanadium** | **15.4** | | mg/kg dry | 9.18 | 5 | 11/19/10 15:31 | MJW | 10K0826 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1221 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1232 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1242 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1248 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1254 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1260 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *55 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *66 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |

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THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0825
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/24/10 16:02

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0825-02 (TT-111710-HS-WWNE - Non-aqueous)** | | | | | **Sampled: 11/17/10 17:29** | | | **Recvd: 11/18/10 08:12** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **91.1** | | % | 0.100 | 1 | 11/18/10 14:15 | jlb | 10K0854 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **0.274** | | mg/kg dry | 0.207 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Arsenic** | **5.75** | | mg/kg dry | 2.07 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Barium** | **126** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Beryllium** | **0.401** | | mg/kg dry | 0.207 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| Cadmium | <0.311 | RL1 | mg/kg dry | 0.311 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Chromium** | **8.64** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Cobalt** | **5.14** | | mg/kg dry | 0.207 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Copper** | **17.4** | | mg/kg dry | 3.56 | 5 | 11/19/10 15:34 | MJW | 10K0826 | SW 6010B |
| **Iron** | **11600** | | mg/kg dry | 17.8 | 5 | 11/19/10 15:34 | MJW | 10K0826 | SW 6010B |
| **Lead** | **57.2** | | mg/kg dry | 0.207 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Manganese** | **512** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Mercury** | **0.199** | | mg/kg dry | 0.00871 | 1 | 11/18/10 17:32 | MJW | 10K0846 | SW 7471A |
| **Nickel** | **9.56** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| 'um | <2.07 | | mg/kg dry | 2.07 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| | <0.104 | | mg/kg dry | 0.104 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| Thallium | <0.207 | | mg/kg dry | 0.207 | 20 | 11/19/10 00:29 | BMH | 10K0827 | SW 6020A |
| **Vanadium** | **14.8** | | mg/kg dry | 8.93 | 5 | 11/19/10 15:34 | MJW | 10K0826 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1221 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1232 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1242 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1248 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1254 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1260 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *47 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *92 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0825
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/24/10 16:02

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0825-03 (TT-111710-HS-NW - Non-aqueous)** | | | | | **Sampled: 11/17/10 17:32** | | | **Recvd: 11/18/10 08:12** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **92.8** | | % | 0.100 | 1 | 11/18/10 14:15 | jlb | 10K0854 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **0.283** | | mg/kg dry | 0.203 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Arsenic** | **6.60** | | mg/kg dry | 2.03 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Barium** | **97.8** | | mg/kg dry | 1.02 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Beryllium** | **0.393** | | mg/kg dry | 0.203 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| Cadmium | <0.305 | RL1 | mg/kg dry | 0.305 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Chromium** | **8.68** | | mg/kg dry | 1.02 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Cobalt** | **4.55** | | mg/kg dry | 0.203 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Copper** | **20.0** | | mg/kg dry | 3.47 | 5 | 11/19/10 15:36 | MJW | 10K0826 | SW 6010B |
| **Iron** | **11900** | | mg/kg dry | 17.4 | 5 | 11/19/10 15:36 | MJW | 10K0826 | SW 6010B |
| **Lead** | **159** | | mg/kg dry | 0.203 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Manganese** | **403** | | mg/kg dry | 1.02 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Mercury** | **0.130** | | mg/kg dry | 0.00883 | 1 | 11/18/10 17:42 | MJW | 10K0846 | SW 7471A |
| **Nickel** | **9.79** | | mg/kg dry | 1.02 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| Selenium | <2.03 | | mg/kg dry | 2.03 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| Silver | <0.102 | | mg/kg dry | 0.102 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| Thallium | <0.203 | | mg/kg dry | 0.203 | 20 | 11/19/10 00:34 | BMH | 10K0827 | SW 6020A |
| **Vanadium** | **16.2** | | mg/kg dry | 8.71 | 5 | 11/19/10 15:36 | MJW | 10K0826 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.107 | | mg/kg dry | 0.107 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1221 | <0.107 | | mg/kg dry | 0.107 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1232 | <0.107 | | mg/kg dry | 0.107 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1242 | <0.107 | | mg/kg dry | 0.107 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1248 | <0.107 | | mg/kg dry | 0.107 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1254 | <0.107 | | mg/kg dry | 0.107 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1260 | <0.107 | | mg/kg dry | 0.107 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *53 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *95 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0825
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/24/10 16:02

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0825-04 (TT-111710-HS-Bottom - Non-aqueous)** | | | | | | **Sampled: 11/17/10 17:36** | | **Recvd: 11/18/10 08:12** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **91.8** | | % | 0.100 | 1 | 11/18/10 14:15 | jlb | 10K0854 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **1.94** | | mg/kg dry | 0.214 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Arsenic** | **36.6** | | mg/kg dry | 2.14 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Barium** | **94.5** | | mg/kg dry | 1.07 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Beryllium** | **2.25** | | mg/kg dry | 0.214 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| Cadmium | <0.641 | RL1 | mg/kg dry | 0.641 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Chromium** | **6.44** | | mg/kg dry | 1.07 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Cobalt** | **5.29** | | mg/kg dry | 0.214 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Copper** | **42.8** | | mg/kg dry | 3.51 | 5 | 11/19/10 15:39 | MJW | 10K0826 | SW 6010B |
| **Iron** | **9280** | | mg/kg dry | 17.6 | 5 | 11/19/10 15:39 | MJW | 10K0826 | SW 6010B |
| **Lead** | **132** | | mg/kg dry | 0.214 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Manganese** | **197** | | mg/kg dry | 1.07 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Mercury** | **0.193** | | mg/kg dry | 0.00908 | 1 | 11/18/10 17:45 | MJW | 10K0846 | SW 7471A |
| **Nickel** | **13.1** | | mg/kg dry | 1.07 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| `um | <2.67 | RL1 | mg/kg dry | 2.67 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| . | **0.160** | | mg/kg dry | 0.107 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Thallium** | **1.28** | | mg/kg dry | 0.214 | 20 | 11/19/10 00:38 | BMH | 10K0827 | SW 6020A |
| **Vanadium** | **24.4** | | mg/kg dry | 8.80 | 5 | 11/19/10 15:39 | MJW | 10K0826 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1221 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1232 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1242 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1248 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| **PCB-1254** | **0.266** | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1260 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *61 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *52 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |

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Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0825
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/24/10 16:02

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0825-05 (TT-111710-HS-WWSE-2 - Non-aqueous)** | | | | | **Sampled: 11/17/10 17:24** | | | **Recvd: 11/18/10 08:12** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **92.2** | | % | 0.100 | 1 | 11/18/10 14:15 | jlb | 10K0854 | SW 846 |
| Total Metals | | | | | | | | | |
| **Antimony** | **0.579** | | mg/kg dry | 0.209 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Arsenic** | **6.66** | | mg/kg dry | 2.09 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Barium** | **130** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| Beryllium | <0.522 | RL1 | mg/kg dry | 0.522 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Cadmium** | **0.552** | | mg/kg dry | 0.209 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Chromium** | **8.09** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Cobalt** | **4.03** | | mg/kg dry | 0.209 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Copper** | **34.2** | | mg/kg dry | 3.54 | 5 | 11/19/10 15:42 | MJW | 10K0826 | SW 6010B |
| **Iron** | **12400** | | mg/kg dry | 17.7 | 5 | 11/19/10 15:42 | MJW | 10K0826 | SW 6010B |
| **Lead** | **311** | | mg/kg dry | 0.209 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Manganese** | **294** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Mercury** | **0.307** | | mg/kg dry | 0.00875 | 1 | 11/18/10 17:47 | MJW | 10K0846 | SW 7471A |
| **Nickel** | **8.45** | | mg/kg dry | 1.04 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| Selenium | <2.09 | | mg/kg dry | 2.09 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Silver** | **0.105** | | mg/kg dry | 0.104 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| Thallium | <0.209 | | mg/kg dry | 0.209 | 20 | 11/19/10 00:42 | BMH | 10K0827 | SW 6020A |
| **Vanadium** | **16.5** | | mg/kg dry | 8.88 | 5 | 11/19/10 15:42 | MJW | 10K0826 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1221 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1232 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1242 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1248 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1254 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| PCB-1260 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *32 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *63 %* | | | | | 11/22/10 15:55 | JBP | 10K0821 | SW 8082 |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0825
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/24/10 16:02

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| Copper | 10K0826 | | | mg/kg wet | N/A | 0.666 | <0.666 | | | | | | | |
| Iron | 10K0826 | | | mg/kg wet | N/A | 3.33 | <3.33 | | | | | | | |
| Vanadium | 10K0826 | | | mg/kg wet | N/A | 1.67 | <1.67 | | | | | | | |
| Antimony | 10K0827 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Arsenic | 10K0827 | | | mg/kg wet | N/A | 2.00 | <2.00 | | | | | | | |
| Barium | 10K0827 | | | mg/kg wet | N/A | 1.00 | <1.00 | | | | | | | |
| Beryllium | 10K0827 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Cadmium | 10K0827 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Chromium | 10K0827 | | | mg/kg wet | N/A | 1.00 | <1.00 | | | | | | | |
| Cobalt | 10K0827 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Lead | 10K0827 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Manganese | 10K0827 | | | mg/kg wet | N/A | 1.00 | <1.00 | | | | | | | |
| Nickel | 10K0827 | | | mg/kg wet | N/A | 1.00 | <1.00 | | | | | | | |
| Selenium | 10K0827 | | | mg/kg wet | N/A | 2.00 | <2.00 | | | | | | | |
| Silver | 10K0827 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| Thallium | 10K0827 | | | mg/kg wet | N/A | 0.200 | <0.200 | | | | | | | |
| Mercury | 10K0846 | | | mg/kg wet | N/A | 0.00833 | <0.00833 | | | | | | | |
| **`nochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| 016 | 10K0821 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0821 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0821* | | | mg/kg wet | | | | | *70* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0821* | | | mg/kg wet | | | | | *67* | | *10-149* | | | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0825 | Received: 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/24/10 16:02 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK0823-12** | | | | | | | | | | | | | |
| Dry Weight | 10K0854 | 93.4 | | % | N/A | 0.100 | 93.2 | | | | 0 | 20 | |
| **QC Source Sample: DTK0824-02** | | | | | | | | | | | | | |
| Dry Weight | 10K0854 | 56.6 | | % | N/A | 0.100 | 55.3 | | | | 2 | 20 | |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0825
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/18/10
Reported: 11/24/10 16:02

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| Copper | 10K0826 | | 33.3 | mg/kg wet | N/A | 0.666 | 36.1 | | 108 | | 80-120 | | | |
| Iron | 10K0826 | | 33.3 | mg/kg wet | N/A | 3.33 | 34.7 | | 104 | | 80-120 | | | |
| Vanadium | 10K0826 | | 33.3 | mg/kg wet | N/A | 1.67 | 32.3 | | 97 | | 80-120 | | | |
| Antimony | 10K0827 | | 50.0 | mg/kg wet | N/A | 0.200 | 45.8 | | 92 | | 80-120 | | | |
| Arsenic | 10K0827 | | 50.0 | mg/kg wet | N/A | 2.00 | 47.9 | | 96 | | 80-120 | | | |
| Barium | 10K0827 | | 50.0 | mg/kg wet | N/A | 1.00 | 50.4 | | 101 | | 80-120 | | | |
| Beryllium | 10K0827 | | 50.0 | mg/kg wet | N/A | 0.200 | 45.2 | | 90 | | 80-120 | | | |
| Cadmium | 10K0827 | | 50.0 | mg/kg wet | N/A | 0.200 | 48.8 | | 98 | | 80-120 | | | |
| Chromium | 10K0827 | | 50.0 | mg/kg wet | N/A | 1.00 | 49.2 | | 98 | | 80-120 | | | |
| Cobalt | 10K0827 | | 50.0 | mg/kg wet | N/A | 0.200 | 49.2 | | 98 | | 80-120 | | | |
| Lead | 10K0827 | | 50.0 | mg/kg wet | N/A | 0.200 | 50.1 | | 100 | | 80-120 | | | |
| Manganese | 10K0827 | | 50.0 | mg/kg wet | N/A | 1.00 | 50.3 | | 101 | | 80-120 | | | |
| Nickel | 10K0827 | | 50.0 | mg/kg wet | N/A | 1.00 | 48.9 | | 98 | | 80-120 | | | |
| Selenium | 10K0827 | | 50.0 | mg/kg wet | N/A | 2.00 | 46.8 | | 94 | | 80-120 | | | |
| Silver | 10K0827 | | 50.0 | mg/kg wet | N/A | 0.100 | 43.6 | | 87 | | 80-120 | | | |
| Thallium | 10K0827 | | 50.0 | mg/kg wet | N/A | 0.200 | 51.4 | | 103 | | 80-120 | | | |
| Mercury | 10K0846 | | 0.0833 | mg/kg wet | N/A | 0.00833 | 0.0820 | | 98 | | 80-120 | | | |
| **nochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| 016 | 10K0821 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.403 | | 81 | | 35-154 | | | |
| PCB-1260 | 10K0821 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.421 | | 84 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0821* | | | mg/kg wet | | | | | *73* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0821* | | | mg/kg wet | | | | | *75* | | *10-149* | | | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0825 | Received: 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/24/10 16:02 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0780-01** | | | | | | | | | | | | | | |
| Copper | 10K0826 | 61.5 | 36.6 | mg/kg dry | N/A | 7.31 | 87.6 | 87.3 | 71 | 70 | 75-125 | 0 | 20 | M |
| Iron | 10K0826 | 14100 | 36.6 | mg/kg dry | N/A | 36.6 | 16400 | 17600 | 6140 | 9520 | 75-125 | 7 | 20 | M |
| Vanadium | 10K0826 | 12.1 | 36.6 | mg/kg dry | N/A | 18.3 | 45.1 | 46.2 | 90 | 93 | 75-125 | 2 | 20 | |
| **QC Source Sample: DTK0823-08** | | | | | | | | | | | | | | |
| Antimony | 10K0827 | 0.108 | 49.4 | mg/kg dry | N/A | 0.198 | 29.8 | 28.3 | 60 | 57 | 75-125 | 5 | 20 | M |
| Arsenic | 10K0827 | 3.18 | 49.4 | mg/kg dry | N/A | 1.98 | 52.5 | 53.6 | 100 | 101 | 75-125 | 2 | 20 | |
| Barium | 10K0827 | 11.6 | 49.4 | mg/kg dry | N/A | 0.988 | 61.6 | 65.8 | 101 | 109 | 75-125 | 7 | 20 | |
| Beryllium | 10K0827 | <0.1939923 | 49.4 | mg/kg dry | N/A | 0.198 | 47.3 | 47.5 | 96 | 95 | 75-125 | 0 | 20 | |
| Cadmium | 10K0827 | 0.278 | 49.4 | mg/kg dry | N/A | 0.198 | 47.1 | 47.9 | 95 | 95 | 75-125 | 2 | 20 | |
| Chromium | 10K0827 | 2.74 | 49.4 | mg/kg dry | N/A | 0.988 | 51.5 | 52.9 | 99 | 101 | 75-125 | 3 | 20 | |
| Cobalt | 10K0827 | 1.88 | 49.4 | mg/kg dry | N/A | 0.198 | 49.6 | 50.9 | 96 | 98 | 75-125 | 3 | 20 | |
| Lead | 10K0827 | 7.53 | 49.4 | mg/kg dry | N/A | 0.198 | 60.5 | 62.9 | 107 | 111 | 75-125 | 4 | 20 | |
| Manganese | 10K0827 | 143 | 49.4 | mg/kg dry | N/A | 0.988 | 271 | 258 | 258 | 230 | 75-125 | 5 | 20 | M |
| Nickel | 10K0827 | 3.42 | 49.4 | mg/kg dry | N/A | 0.988 | 49.5 | 53.4 | 93 | 100 | 75-125 | 7 | 20 | |
| Selenium | 10K0827 | <1.939923 | 49.4 | mg/kg dry | N/A | 1.98 | 44.6 | 44.6 | 90 | 89 | 75-125 | 0 | 20 | |
| Silver | 10K0827 | 9.699616E-0 | 49.4 | mg/kg dry | N/A | 0.0988 | 44.0 | 44.3 | 89 | 89 | 75-125 | 1 | 20 | |
| Thallium | 10K0827 | 0.107 | 49.4 | mg/kg dry | N/A | 0.198 | 53.4 | 53.3 | 108 | 107 | 75-125 | 0 | 20 | |
| **QC Source Sample: DTK0825-01** | | | | | | | | | | | | | | |
| Mercury | 10K0846 | 0.425 | 0.0876 | mg/kg dry | N/A | 0.00876 | 0.398 | 0.356 | -32 | -80 | 75-125 | 11 | 20 | M |
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0821-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0821 | <0.5550782 | 0.555 | mg/kg dry | N/A | 0.111 | 0.356 | 0.318 | 64 | 57 | 35-154 | 11 | 25 | |
| PCB-1260 | 10K0821 | <0.5550782 | 0.555 | mg/kg dry | N/A | 0.111 | 0.383 | 0.342 | 69 | 61 | 22-171 | 12 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0821* | | | mg/kg dry | | | | | *68* | *56* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0821* | | | mg/kg dry | | | | | *62* | *59* | *10-149* | | | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0825 | Received: | 11/18/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 11/24/10 16:02 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC).*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **M** | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |
| **RL1** | Reporting limit raised due to sample matrix effects. |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

' analyses listed below were analyzed in satellite facilities

DTK0825

# Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: 4738 Gateway Circle, Dayton OH 45440

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OHIO VAP

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solutions | Client Project Manager: Laura Funk | Site Contact: Randy Mileur | Lab Contact: Shelly Howard | COC No: |
| Address: 711 E. Monument Ave Ste 201 | Telephone: 937-531-4402 | Telephone: 907-230-8617 | Telephone: 937-294-6856 | ____ of ____ COCs |
| City/State/Zip: Dayton, OH 45402 | Email: Laura.Funk@westonsolution.com | Analysis Turnaround Time (in BUS days) | Analyses | For lab use only |
| Phone: 973-531-4402 | | TAT if different from below 3 day | | Walk-in client ☐ |
| Project Name: Tech Town | Method of Shipment/Carrier: | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Lab pickup ☐ Lab sampling ☐ |
| Project Number: 12473.005.007 | Shipping/Tracking No: | | | Job/SDG No: |
| PO# | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: Soil | Containers & Preservatives: HZSO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C / Grab=G | PCB 8082 | TAL Metals | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-111710-HS-WWSE-1 | 11/17/10 | 1724 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111710-HS-WWNE | 11/17/10 | 1729 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111710-HS-NW | 11/17/10 | 1732 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111710-HS-Bottom | 11/17/10 | 1736 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111710-HS-WWSE-2 | 11/17/10 | 1724 | | | | | X | | | | | | 2 | | | | X | X | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

**Possible Hazard Identification**
☐ 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:**

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Randy Mileur | Weston Solutions | 11/18/10 0812 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: TA | Date/Time: 11-18-10 08:17 |

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TestAmerica
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# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Weston
☐ Short Hold Work Order # DTK0825
☐ Rush ☐24hr ☐2day ☒3day ☐5day ☐other
Receipt evaluation performed by - Initials: MJA Date: 11/18/10 Time: 0815

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☒ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☒ N/A (not used or required)
**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☐ No ☐ Yes (If Yes, *Project Manager must be notified).*

**Receipt Temperatures** ☐ Check if Additional Sheets Required

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| 6 | 3.6 | 3.6 | ☒ | ☐ | ☐Yes ☒No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
**Discussion/Resolution:**

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

# AOI 47 Concrete Debris

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 29, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTK1046
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 11/23/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-112310-12B-CR-WC | DTK1046-01 | 11/23/10 15:00 |

**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK1046 | Received: 11/23/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/29/10 16:53 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK1046-01 (TT-112310-12B-CR-WC - Non-aqueous)** | | | | | **Sampled: 11/23/10 15:00** | | | **Recvd: 11/23/10 16:25** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **96.0** | | % | 0.100 | 1 | 11/24/10 11:26 | jlb | 10K1101 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.104 | | mg/kg dry | 0.104 | 1 | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| PCB-1221 | <0.104 | | mg/kg dry | 0.104 | 1 | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| PCB-1232 | <0.104 | | mg/kg dry | 0.104 | 1 | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| PCB-1242 | <0.104 | | mg/kg dry | 0.104 | 1 | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| PCB-1248 | <0.104 | | mg/kg dry | 0.104 | 1 | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| **PCB-1254** | **0.113** | | mg/kg dry | 0.104 | 1 | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| PCB-1260 | <0.104 | | mg/kg dry | 0.104 | 1 | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *64 %* | | | | | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *66 %* | | | | | 11/29/10 16:07 | JBP | 10K1037 | SW 8082 |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK1046
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/23/10
Reported: 11/29/10 16:53

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K1037 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K1037 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K1037* | | | mg/kg wet | | | | | *74* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K1037* | | | mg/kg wet | | | | | *56* | | *10-149* | | | |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK1046 | Received: 11/23/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/29/10 16:53 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK1046-01** | | | | | | | | | | | | | |
| Dry Weight | 10K1101 | 96.0 | | % | N/A | 0.100 | 95.8 | | | | 0 | 20 | |

ɛston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK1046
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/23/10
Reported: 11/29/10 16:53

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K1037 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.372 | | 74 | | 35-154 | | | |
| PCB-1260 | 10K1037 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.347 | | 69 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K1037* | | | mg/kg wet | | | | | *72* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K1037* | | | mg/kg wet | | | | | *53* | | *10-149* | | | |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK1046 | Received: 11/23/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/29/10 16:53 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0910-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10K1037 | <0.1129281 | 0.564 | mg/kg dry | N/A | 0.113 | 0.396 | 0.355 | 70 | 63 | 35-154 | 11 | 25 | |
| PCB-1260 | 10K1037 | <0.1129281 | 0.564 | mg/kg dry | N/A | 0.113 | 0.353 | 0.310 | 63 | 55 | 22-171 | 13 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K1037* | | | mg/kg dry | | | | | *66* | *72* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K1037* | | | mg/kg dry | | | | | *48* | *46* | *10-149* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

| | | | |
|---|---|---|---|
| Work Order: | DTK1046 | Received: | 11/23/10 |
| Project: | Tech Town Remediation | Reported: | 11/29/10 16:53 |
| Project Number: | 12473.005.007 | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

DTC 1896

# Chain of Custody Record

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: 4738 Gateway Circle, Dayton, OH 45440

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other Ohio VAP

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solutions, Inc. | Client Project Manager: Laura Funk | Site Contact: Tim Smith | Lab Contact: Shelly Howard | COC No: |
| Address: 711 E Monument Ave., Ste 201 | Telephone: 937-531-4402 | Telephone: 937-531-4400 | Telephone: 937-294-6856 | 1 of 1 COCs |
| City/State/Zip: Dayton/OH/45402 | Email: laura.funk@westonsolutions.com | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only |
| Phone: 937-531-4402 | | TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☑ 2 days ☐ 1 day | | ☐ Walk-in client ☐ Lab pickup ☐ Lab sampling |
| Project Name: Tech Town | Method of Shipment/Carrier: | | | Job/SDG No: |
| Project Number: 12473.005.007 | Shipping/Tracking No: | | | |

| PO# | Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C / Grab=G | PCB (8082) | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TT-112310-123-CR-WC | 11/23/10 | 1500 | | | | X | | | | | | | X | | | C | X | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |

Possible Hazard Identification: ☐ 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:

| Relinquished by | Company | Date/Time | Received by | Company | Date/Time |
|---|---|---|---|---|---|
| [signature] | Weston Solutions | 11/23/10, 1625 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: [signature] | Company: TA | Date/Time: 11/23/10 1625 |

1.7°C

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THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID: Weston
☐ Short Hold Work Order #: DTK1046
☒ Rush ☐ 24hr ☑ 2day ☐ 3day ☐ 5day ☐ other
Receipt evaluation performed by - Initials: JSP Date: 11/23/10 Time: 1625

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier_____
☐ Fed Ex Tracking # _____
☐ UPS Tracking # _____
☐ Other _____

**Shipping Container Type:**
☑ Cooler ☐ Box
☐ None ☐ Other_____
**Packing Materials:**
☑ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other_____

**Custody Seals Intact:**
☐ Yes ☐ No
☑ N/A (not used or required)
**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other_____

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☑ No ☐ Yes (If Yes, *Project Manager must be notified).*

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 2.4 | 1.7 | ☐ | ☒ | ☑Yes ☐No | ☑Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other_____ Person Contacted: _____ Date/Time: _____
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

Reviewed by PM Signature 11/24/10 Date

# AOI 47 Concrete and Soil Verification Samples

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

December 06, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTL0111
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 12/02/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-120210-12B-CC-01 | DTL0111-01 | 12/02/10 14:10 |
| TT-120210-12B-CC-02 | DTL0111-02 | 12/02/10 14:13 |
| TT-120210-12B-CC-03 | DTL0111-03 | 12/02/10 14:20 |
| TT-120210-12B-CC-04 | DTL0111-04 | 12/02/10 14:28 |
| TT-120210-12B-CC-05 | DTL0111-05 | 12/02/10 14:33 |
| TT-120210-12B-CC-06 | DTL0111-06 | 12/02/10 14:40 |
| TT-120210-12B-CC-07 | DTL0111-07 | 12/02/10 14:45 |
| TT-120210-12B-CC-T27 | DTL0111-08 | 12/02/10 14:48 |
| TT-120210-12B-SO-01 | DTL0111-09 | 12/02/10 14:53 |
| TT-120210-12B-SO-02 | DTL0111-10 | 12/02/10 15:00 |
| TT-120210-12B-SO-03 | DTL0111-11 | 12/02/10 15:02 |

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0111 | Received: 12/02/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/06/10 17:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0111-01 (TT-120210-12B-CC-01 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:10** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.6** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.527 | | mg/kg dry | 0.527 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.527 | | mg/kg dry | 0.527 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.527 | | mg/kg dry | 0.527 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.527 | | mg/kg dry | 0.527 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.527 | | mg/kg dry | 0.527 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1254 | <0.527 | | mg/kg dry | 0.527 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.527 | | mg/kg dry | 0.527 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *57 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *38 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **Sample ID: DTL0111-02 (TT-120210-12B-CC-02 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:13** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.5** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **PCB-1254** | **0.726** | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *58 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *44 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **Sample ID: DTL0111-03 (TT-120210-12B-CC-03 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:20** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.7** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.531 | | mg/kg dry | 0.531 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.531 | | mg/kg dry | 0.531 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.531 | | mg/kg dry | 0.531 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.531 | | mg/kg dry | 0.531 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.531 | | mg/kg dry | 0.531 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **PCB-1254** | **10.0** | | mg/kg dry | 2.65 | 5 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.531 | | mg/kg dry | 0.531 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *57 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *48 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |

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..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0111
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 12/02/10
Reported: 12/06/10 17:00

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0111-04 (TT-120210-12B-CC-04 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:28** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.5** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **PCB-1254** | **0.910** | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.532 | | mg/kg dry | 0.532 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *59 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *46 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **Sample ID: DTL0111-05 (TT-120210-12B-CC-05 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:33** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.8** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| 016 | <0.482 | | mg/kg dry | 0.482 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| 1221 | <0.482 | | mg/kg dry | 0.482 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.482 | | mg/kg dry | 0.482 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.482 | | mg/kg dry | 0.482 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.482 | | mg/kg dry | 0.482 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **PCB-1254** | **9.16** | | mg/kg dry | 2.41 | 5 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.482 | | mg/kg dry | 0.482 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *62 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *48 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **Sample ID: DTL0111-06 (TT-120210-12B-CC-06 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:40** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.5** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.505 | | mg/kg dry | 0.505 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.505 | | mg/kg dry | 0.505 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.505 | | mg/kg dry | 0.505 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.505 | | mg/kg dry | 0.505 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.505 | | mg/kg dry | 0.505 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **PCB-1254** | **2.80** | | mg/kg dry | 0.505 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.505 | | mg/kg dry | 0.505 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *59 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *50 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0111 | Received: | 12/02/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 12/06/10 17:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0111-07 (TT-120210-12B-CC-07 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:45** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.6** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.468 | | mg/kg dry | 0.468 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.468 | | mg/kg dry | 0.468 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.468 | | mg/kg dry | 0.468 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.468 | | mg/kg dry | 0.468 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.468 | | mg/kg dry | 0.468 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1254 | <0.468 | | mg/kg dry | 0.468 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.468 | | mg/kg dry | 0.468 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *57 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *50 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **Sample ID: DTL0111-08 (TT-120210-12B-CC-T27 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:48** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.5** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.521 | | mg/kg dry | 0.521 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.521 | | mg/kg dry | 0.521 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.521 | | mg/kg dry | 0.521 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.521 | | mg/kg dry | 0.521 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.521 | | mg/kg dry | 0.521 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **PCB-1254** | **2.44** | | mg/kg dry | 0.521 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.521 | | mg/kg dry | 0.521 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *62 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *50 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **Sample ID: DTL0111-09 (TT-120210-12B-SO-01 - Non-aqueous)** | | | | | **Sampled: 12/02/10 14:53** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **83.1** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.120 | | mg/kg dry | 0.120 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.120 | | mg/kg dry | 0.120 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.120 | | mg/kg dry | 0.120 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.120 | | mg/kg dry | 0.120 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.120 | | mg/kg dry | 0.120 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **PCB-1254** | **0.128** | | mg/kg dry | 0.120 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.120 | | mg/kg dry | 0.120 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *35 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *29 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |

TestAmerica
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4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0111
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 12/02/10
Reported: 12/06/10 17:00

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0111-10 (TT-120210-12B-SO-02 - Non-aqueous)** | | | | | **Sampled: 12/02/10 15:00** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **86.5** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.115 | | mg/kg dry | 0.115 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1221 | <0.115 | | mg/kg dry | 0.115 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.115 | | mg/kg dry | 0.115 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.115 | | mg/kg dry | 0.115 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.115 | | mg/kg dry | 0.115 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1254 | <0.115 | | mg/kg dry | 0.115 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.115 | | mg/kg dry | 0.115 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *38 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *33 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| **Sample ID: DTL0111-11 (TT-120210-12B-SO-03 - Non-aqueous)** | | | | | **Sampled: 12/02/10 15:02** | | | **Recvd: 12/02/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **88.7** | | % | 0.100 | 1 | 12/03/10 14:23 | JLB | 10L0157 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| '016 | <0.113 | | mg/kg dry | 0.113 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| 1221 | <0.113 | | mg/kg dry | 0.113 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1232 | <0.113 | | mg/kg dry | 0.113 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1242 | <0.113 | | mg/kg dry | 0.113 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1248 | <0.113 | | mg/kg dry | 0.113 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1254 | <0.113 | | mg/kg dry | 0.113 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| PCB-1260 | <0.113 | | mg/kg dry | 0.113 | 1 | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *48 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *39 %* | | | | | 12/06/10 15:09 | JBP | 10L0126 | SW 8082 |

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0111 | Received: 12/02/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/06/10 17:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0126 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10L0126 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0126* | | | mg/kg wet | | | | | *58* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0126* | | | mg/kg wet | | | | | *49* | | *10-149* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0111
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 12/02/10
Reported: 12/06/10 17:00

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTL0092-02** | | | | | | | | | | | | | |
| Dry Weight | 10L0157 | 89.7 | | % | N/A | 0.100 | 89.3 | | | | 1 | 20 | |
| **QC Source Sample: DTL0111-10** | | | | | | | | | | | | | |
| Dry Weight | 10L0157 | 86.5 | | % | N/A | 0.100 | 88.8 | | | | 3 | 20 | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0111 | Received: | 12/02/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 12/06/10 17:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0126 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.350 | | 70 | | 35-154 | | | |
| PCB-1260 | 10L0126 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.312 | | 62 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0126* | | | mg/kg wet | | | | | *61* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0126* | | | mg/kg wet | | | | | *53* | | *10-149* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0111
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 12/02/10
Reported: 12/06/10 17:00

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTL0092-04** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0126 | | 0.500 | mg/kg wet | N/A | 0.0999 | 0.231 | 0.190 | 46 | 39 | 35-154 | 20 | 25 | |
| PCB-1260 | 10L0126 | | 0.500 | mg/kg wet | N/A | 0.0999 | 0.136 | 0.127 | 27 | 26 | 22-171 | 6 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0126* | | | mg/kg wet | | | | | *23* | *18* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0126* | | | mg/kg wet | | | | | *23* | *17* | *10-149* | | | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0111 | Received: | 12/02/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 12/06/10 17:00 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

DTK0111

**TestAmerica** INCORPORATED

Dayton Division
3601 S. Dixie Drive
Dayton, OH 45439

Phone: 937-294-6856
Fax: 937-294-7816

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Weston Solutions, Inc. Client #: _____
Address: 711 E Monument Ave., Ste 301
City/State/Zip Code: Dayton, OH 45402
Project Manager: Laura Funk
Telephone Number: 937-531-4406 Fax: _____
Sampler Name: (Print Name) Tim Smith, David Seng
Sampler Signature:

Project Name: Tech Town
Project #: 12473.005.007
Site/Location ID: Dayton State: OH
Report To: Laura Funk / laura.funk@westonsolutions.com
Invoice To: _____
Quote #: _____ PO#: _____

TAT
__ Standard
✓ Rush (surcharges may apply)
Date Needed: 2 day turn
Fax Results: Y N

| SAMPLE ID | Date Sampled | Time Sampled | G = Grab, C = Composite | Field Filtered | Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other | Preservation & # of Containers: $HNO_3$ | HCl | NaOH | $H_2SO_4$ | Methanol | None | Other (Specify) | Analyze For: PCBs (8082) | QC Deliverables: None / Level 2 (Batch QC) / Level 3 / Level 4 / Other: | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-120210-12B-CC-01 | 12/2/10 | 1410 | G | | Concrete | | | | | | X | | X | | |
| TT-120210-12B-CC-02 | " | 1413 | G | | " | | | | | | | | X | | |
| TT-120210-12B-CC-03 | " | 1420 | G | | " | | | | | | | | X | | |
| TT-120210-12B-CC-04 | " | 1428 | C | | " | | | | | | | | X | | |
| TT-120210-12B-CC-05 | " | 1433 | G | | " | | | | | | | | X | | |
| TT-120210-12B-CC-06 | " | 1440 | G | | " | | | | | | | | X | | |
| TT-120210-12B-CC-07 | " | 1445 | G | | " | | | | | | | | X | | |
| TT-120210-12B-CC-T27 | " | 1448 | G | | " | | | | | | | | X | | |
| TT-120210-12B-SO-01 | " | 1453 | G | | S | | | | | | | | X | | |
| TT-120210-12B-SO-02 | " | 1510 | G | | S | | | | | | | | X | | |

**Special Instructions:**

**LABORATORY COMMENTS:**
Init Lab Temp: 14 C
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |
|---|---|---|---|---|---|
| David Seng | 12/2 | 1640 | | | |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: |
| Relinquished By: | Date: | Time: | Received By: | 12-2-10 | 16:53 |

# Chain of Cus Record

DTL0111

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solutions, Inc | Client Project Manager: Laura Funk | Site Contact: Tim Smith | Lab Contact: Shelly Howard | COC No: |
| Address: 911 E Monument Ave. #201 | Telephone: 937-531-4400 | Telephone: 937-531-4400 | Telephone: 937-294-6856 | 2 of 2 COCs |
| City/State/Zip: Dayton, OH 45402 | Email: laura.funk@westonsolutions.com | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only |
| Phone: 937-531-4400 | | TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☑ 2 days ☐ 1 day | | Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ |
| Project Name: Tech Town | Method of Shipment/Carrier: | | | |
| Project Number: 12473.005.007 | Shipping/Tracking No: | | | Job/SDG No: |
| PO# | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Filtered Sample (Y / N) | Composite=C / Grab=G | PCBs (8082) | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-12B2/10-12B-SO-03 | 12/2/10 | 1502 | | | | | Soil | | | | | | X | | | | X | |
| | | | | | | | | | | | | | | | | | | |
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Possible Hazard Identification: ☐ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| David Sam | Weston Solutions | 12/2/10, 1640 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | | | | | |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |
| | | | | TA | 12-2-10 16:53 |

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14.6

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Kiston
☐ Short Hold Work Order # DTL0111
☒ Rush ☐ 24hr ☒ 2day ☐ 3day ☐ 5day ☐ other
Receipt evaluation performed by - Initials: MJT Date: 12-2-10 Time 4:53

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☒ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☒ Yes ☐ No
☐ N/A (not used or required)
**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ No ☐ Yes (If Yes, *Project Manager must be notified).*

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 14.0 | 13.8 | ☒ | ☐ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

12/3/10
Reviewed by PM Signature Date

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

December 14, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTL0400
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 12/08/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-120810-12B-SO-T27 | DTL0400-01 | 12/08/10 10:55 |

**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0400 | Received: 12/08/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/14/10 16:38 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0400-01 (TT-120810-12B-SO-T27 - Non-aqueous)** | | | | | **Sampled: 12/08/10 10:55** | | | **Recvd: 12/08/10 16:15** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.2** | | % | 0.100 | 1 | 12/10/10 10:25 | jlb | 10L0443 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.106 | | mg/kg dry | 0.106 | 1 | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| PCB-1221 | <0.106 | | mg/kg dry | 0.106 | 1 | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| PCB-1232 | <0.106 | | mg/kg dry | 0.106 | 1 | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| PCB-1242 | <0.106 | | mg/kg dry | 0.106 | 1 | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| PCB-1248 | <0.106 | | mg/kg dry | 0.106 | 1 | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| **PCB-1254** | **0.198** | | mg/kg dry | 0.106 | 1 | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| PCB-1260 | <0.106 | | mg/kg dry | 0.106 | 1 | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *51 %* | | | | | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *52 %* | | | | | 12/14/10 14:32 | JBP | 10L0376 | SW 8082 |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0400 | Received: 12/08/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/14/10 16:38 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0376 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10L0376 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0376* | | | mg/kg wet | | | | | *57* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0376* | | | mg/kg wet | | | | | *62* | | *10-149* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0400
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 12/08/10
Reported: 12/14/10 16:38

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTL0239-01** | | | | | | | | | | | | | |
| Dry Weight | 10L0443 | 94.3 | | % | N/A | 0.100 | 93.9 | | | | 1 | 20 | |
| **QC Source Sample: DTL0455-01** | | | | | | | | | | | | | |
| Dry Weight | 10L0443 | 85.2 | | % | N/A | 0.100 | 86.0 | | | | 1 | 20 | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0400 | Received: 12/08/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 12/14/10 16:38 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0376 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.329 | | 66 | | 35-154 | | | |
| PCB-1260 | 10L0376 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.308 | | 62 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0376* | | | mg/kg wet | | | | | *58* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0376* | | | mg/kg wet | | | | | *61* | | *10-149* | | | |

, eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTL0400
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 12/08/10
Reported: 12/14/10 16:38

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTL0400-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0376 | <0.106116 | 0.533 | mg/kg dry | N/A | 0.107 | 0.330 | 0.340 | 62 | 64 | 35-154 | 3 | 25 | |
| PCB-1260 | 10L0376 | <0.106116 | 0.533 | mg/kg dry | N/A | 0.107 | 0.424 | 0.446 | 80 | 84 | 22-171 | 5 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0376* | | | mg/kg dry | | | | | *55* | *54* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0376* | | | mg/kg dry | | | | | *54* | *55* | *10-149* | | | |

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTL0400 | Received: | 12/08/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 12/14/10 16:38 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

**Dayton**
4738 Gateway Circle

Dayton, OH 45440
phone 937.294.6856 fax 937.499.1249

ATZ8400

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

| Client Contact | Project Manager: Laura Funk | Site Contact: Tim Smith | Date: | COC No: |
|---|---|---|---|---|
| Weston Solutions, Inc. | Tel/Fax: (937) 531-4402/Fax: (937) 531-4401 | Lab Contact: | Carrier: | ____ of ____ COCs |
| 711 East Monument Avenue, Suite 201 | **Analysis Turnaround Time** | | | Job No. |
| Dayton, OH 45402 | Calendar ( C ) or Work Days (W) ___W___ | | | |
| (937) 531-4400 Phone | TAT if different from Below ___3___ | | | SDG No. |
| (937) 531-4401 FAX | ☐ 2 weeks | | | |
| Project Name: West Phase remediation | ☐ 1 week | | | |
| Site: Tech Town | ☐ 2 days | | | |
| P O # | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Filtered Sample | PCB's 8082 | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|
| TT-120810-12B-SO-T27 | 12/8/2010 | 1055 | Grab | Soil | 1 | | X | |
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

*Possible Hazard Identification*
☐ *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:**

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| T-SMITH | WESTON | 12/8/10 1401 | DAVE Robinson | Weston | 12/8/10 1400 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | Weston | 12/8/10 1605 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | | | | TA | 12/8/10 1615 |

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Westa
☐ Short Hold Work Order # DTL0400
☒ Rush ☐24hr ☐2day ☒3day ☐5day ☐other
Receipt evaluation performed by - Initials: [illegible] Date: 12/8/10 Time: 1615

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other

**Packing Materials:**
☒ Plastic Bags ☐ Foam
☒ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☒ Yes ☐ No
☐ N/A (not used or required)

**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

**Are there any soil samples from areas requiring USDA quarantine?** *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ No ☐ Yes (If Yes, *Project Manager must be notified*).

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 4.3 | 3.3 | ☐ | ☒ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

[illegible] 12/9/10 1 of 1

Reviewed by PM Signature Date Page

# AOI 48 Sludge and Stockpile Samples

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 11, 2010

Client:

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018

Attn: John Hlavacek

Work Order: DTK0230
Project Name: Dayton Tech Town
Project Number: Dayton Tech Town

Date Received: 11/04/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| #6-8 Sludge From Tank | DTK0230-01 | 11/04/10 14:25 |
| #9-10 Stockpile | DTK0230-02 | 11/04/10 14:45 |

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ...emedial Construction Services Inc (Erlanger) | Work Order: | DTK0230 | Received: 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/11/10 16:39 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0230-01 (#6-8 Sludge From Tank - Non-aqueous)** | | | | | **Sampled: 11/04/10 14:25** | | | **Recvd: 11/04/10 17:00** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **69.4** | | % | 0.100 | 1 | 11/05/10 10:19 | jlb | 10K0233 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.143 | | mg/kg dry | 0.143 | 1 | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| PCB-1221 | <0.143 | | mg/kg dry | 0.143 | 1 | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| PCB-1232 | <0.143 | | mg/kg dry | 0.143 | 1 | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| PCB-1242 | <0.143 | | mg/kg dry | 0.143 | 1 | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| PCB-1248 | <0.143 | | mg/kg dry | 0.143 | 1 | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| **PCB-1254** | **5.57** | | mg/kg dry | 1.43 | 10 | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| PCB-1260 | <0.143 | | mg/kg dry | 0.143 | 1 | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *59 %* | | | | | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *29 %* | | | | | 11/08/10 20:32 | jbp | 10K0231 | SW 8082 |
| TCLP Metals by 1311/6000/7000 | | | | | | | | | |
| Arsenic | <0.500 | | mg/L | 0.500 | 1 | 11/09/10 19:27 | MJW | 10K0360 | SW 6010B |
| **Barium** | **0.288** | | mg/L | 0.100 | 1 | 11/09/10 19:27 | MJW | 10K0360 | SW 6010B |
| Cadmium | <0.150 | | mg/L | 0.150 | 1 | 11/09/10 19:27 | MJW | 10K0360 | SW 6010B |
| ...ium | <0.200 | | mg/L | 0.200 | 1 | 11/09/10 19:27 | MJW | 10K0360 | SW 6010B |
| | <0.400 | | mg/L | 0.400 | 1 | 11/09/10 19:27 | MJW | 10K0360 | SW 6010B |
| Mercury | <0.00100 | | mg/L | 0.00100 | 1 | 11/10/10 14:56 | CAJ | 10K0386 | SW 7470A |
| Selenium | <0.500 | | mg/L | 0.500 | 1 | 11/09/10 19:27 | MJW | 10K0360 | SW 6010B |
| Silver | <0.200 | | mg/L | 0.200 | 1 | 11/09/10 19:27 | MJW | 10K0360 | SW 6010B |
| TCLP Volatile Organic Compounds by EPA Method 1311/8260B | | | | | | | | | |
| Benzene | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| 2-Butanone (MEK) | <2.50 | | mg/L | 2.50 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| Carbon tetrachloride | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| Chlorobenzene | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| Chloroform | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| 1,2-Dichloroethane | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| 1,1-Dichloroethene | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| Tetrachloroethene | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| Trichloroethene | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| Vinyl chloride | <0.200 | | mg/L | 0.200 | 200 | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *91 %* | | | | | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *87 %* | | | | | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *102 %* | | | | | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *98 %* | | | | | 11/09/10 16:43 | jmt | 10K0401 | SW 8260B |
| TCLP Semivolatile Compounds by EPA Method 1311/8270C | | | | | | | | | |
| 1,4-Dichlorobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| 2,4-Dinitrotoluene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| Hexachlorobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| Hexachlorobutadiene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| Hexachloroethane | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| ...ethylphenol (m&p Cresol) | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTK0230
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 11/04/10
Reported: 11/11/10 16:39

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0230-01 (#6-8 Sludge From Tank - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 14:25** | | | **Recvd: 11/04/10 17:00** | |
| TCLP Semivolatile Compounds by EPA Method 1311/8270C - cont. | | | | | | | | | |
| Nitrobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| Pentachlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| Pyridine | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| 2,4,5-Trichlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| 2,4,6-Trichlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| *Surr: 2-Fluorophenol (21-145%)* | *43 %* | | | | | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| *Surr: Phenol-d6 (10-149%)* | *105 %* | | | | | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| *Surr: Nitrobenzene-d5 (35-124%)* | *82 %* | | | | | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (43-134%)* | *82 %* | | | | | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (21-146%)* | *79 %* | | | | | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| *Surr: Terphenyl-d14 (34-149%)* | *106 %* | | | | | 11/11/10 13:59 | clh | 10K0379 | SW 8270C |
| **Sample ID: DTK0230-02 (#9-10 Stockpile - Non-aqueous)** | | | | | **Sampled: 11/04/10 14:45** | | | **Recvd: 11/04/10 17:00** | |
| TCLP Metals by 1311/6000/7000 | | | | | | | | | |
| Arsenic | <0.500 | | mg/L | 0.500 | 1 | 11/09/10 19:30 | MJW | 10K0360 | SW 6010B |
| **Barium** | **1.16** | | mg/L | 0.100 | 1 | 11/09/10 19:30 | MJW | 10K0360 | SW 6010B |
| Cadmium | <0.150 | | mg/L | 0.150 | 1 | 11/09/10 19:30 | MJW | 10K0360 | SW 6010B |
| Chromium | <0.200 | | mg/L | 0.200 | 1 | 11/09/10 19:30 | MJW | 10K0360 | SW 6010B |
| Lead | <0.400 | | mg/L | 0.400 | 1 | 11/09/10 19:30 | MJW | 10K0360 | SW 6010B |
| Mercury | <0.00100 | | mg/L | 0.00100 | 1 | 11/10/10 14:58 | CAJ | 10K0386 | SW 7470A |
| Selenium | <0.500 | | mg/L | 0.500 | 1 | 11/09/10 19:30 | MJW | 10K0360 | SW 6010B |
| Silver | <0.200 | | mg/L | 0.200 | 1 | 11/09/10 19:30 | MJW | 10K0360 | SW 6010B |
| TCLP Volatile Organic Compounds by EPA Method 1311/8260B | | | | | | | | | |
| Benzene | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| 2-Butanone (MEK) | <2.50 | M | mg/L | 2.50 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| Carbon tetrachloride | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| Chlorobenzene | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| Chloroform | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| 1,2-Dichloroethane | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| 1,1-Dichloroethene | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| Tetrachloroethene | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| Trichloroethene | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| Vinyl chloride | <0.200 | M | mg/L | 0.200 | 200 | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *94 %* | | | | | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *89 %* | | | | | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *101 %* | | | | | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *98 %* | | | | | 11/09/10 18:09 | jmt | 10K0401 | SW 8260B |
| TCLP Semivolatile Compounds by EPA Method 1311/8270C | | | | | | | | | |
| 1,4-Dichlorobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| 2,4-Dinitrotoluene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| Hexachlorobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| Hexachlorobutadiene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| Hexachloroethane | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |

| | | | |
|---|---|---|---|
| ...emedial Construction Services Inc (Erlanger) | Work Order: | DTK0230 | Received: 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/11/10 16:39 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0230-02 (#9-10 Stockpile - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 14:45** | | | **Recvd: 11/04/10 17:00** | |
| TCLP Semivolatile Compounds by EPA Method 1311/8270C - cont. | | | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| Nitrobenzene | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| Pentachlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| Pyridine | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| 2,4,5-Trichlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| 2,4,6-Trichlorophenol | <0.100 | | mg/L | 0.100 | 1 | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| *Surr: 2-Fluorophenol (21-145%)* | *31 %* | | | | | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| *Surr: Phenol-d6 (10-149%)* | *68 %* | | | | | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| *Surr: Nitrobenzene-d5 (35-124%)* | *55 %* | | | | | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (43-134%)* | *60 %* | | | | | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (21-146%)* | *68 %* | | | | | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |
| *Surr: Terphenyl-d14 (34-149%)* | *93 %* | | | | | 11/11/10 14:22 | clh | 10K0379 | SW 8270C |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTK0230
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 11/04/10
Reported: 11/11/10 16:39

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0231 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0231 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0231* | | | mg/kg wet | | | | | *95* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0231* | | | mg/kg wet | | | | | *83* | | *10-149* | | | |
| **TCLP Metals by 1311/6000/7000** | | | | | | | | | | | | | | |
| Arsenic | 10K0360 | | | mg/L | N/A | 0.500 | <0.500 | | | | | | | |
| Barium | 10K0360 | | | mg/L | N/A | 0.100 | <0.100 | | | | | | | |
| Cadmium | 10K0360 | | | mg/L | N/A | 0.150 | <0.150 | | | | | | | |
| Chromium | 10K0360 | | | mg/L | N/A | 0.200 | <0.200 | | | | | | | |
| Lead | 10K0360 | | | mg/L | N/A | 0.400 | <0.400 | | | | | | | |
| Selenium | 10K0360 | | | mg/L | N/A | 0.500 | <0.500 | | | | | | | |
| Silver | 10K0360 | | | mg/L | N/A | 0.200 | <0.200 | | | | | | | |
| Mercury | 10K0386 | | | mg/L | N/A | 0.000200 | <0.000200 | | | | | | | |
| **TCLP Volatile Organic Compounds by EPA Method 1311/8260B** | | | | | | | | | | | | | | |
| Benzene | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| 2-Butanone (MEK) | 10K0401 | | | mg/L | N/A | 0.0125 | <0.0125 | | | | | | | |
| Carbon tetrachloride | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Chlorobenzene | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Chloroform | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| 1,2-Dichloroethane | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| 1,1-Dichloroethene | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Tetrachloroethene | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Trichloroethene | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Vinyl chloride | 10K0401 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0401* | | | mg/L | | | | | *97* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0401* | | | mg/L | | | | | *93* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0401* | | | mg/L | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0401* | | | mg/L | | | | | *98* | | *80-120* | | | |
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4-Dinitrotoluene | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachlorobenzene | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachlorobutadiene | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Hexachloroethane | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2-Methylphenol (o-Cresol) | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Nitrobenzene | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Pentachlorophenol | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| Pyridine | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4,5-Trichlorophenol | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| 2,4,6-Trichlorophenol | 10K0379 | | | mg/L | N/A | 0.0100 | <0.0100 | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *10K0379* | | | mg/L | | | | | *49* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10K0379* | | | mg/L | | | | | *103* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0379* | | | mg/L | | | | | *77* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0379* | | | mg/L | | | | | *75* | | *43-134* | | | |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ..emedial Construction Services Inc (Erlanger) | Work Order: | DTK0230 | Received: 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/11/10 16:39 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0379* | | | mg/L | | | | | *76* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *10K0379* | | | mg/L | | | | | *100* | | *34-149* | | | |

TestAmerica
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| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0230 | Received: 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/11/10 16:39 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK0033-03** | | | | | | | | | | | | | |
| Dry Weight | 10K0233 | 82.3 | | % | N/A | 0.100 | 83.9 | | | | 2 | 20 | |
| **QC Source Sample: DTK0200-01** | | | | | | | | | | | | | |
| Dry Weight | 10K0233 | 98.9 | | % | N/A | 0.100 | 99.0 | | | | 0 | 20 | |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTK0230
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 11/04/10
Reported: 11/11/10 16:39

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0231 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.457 | | 91 | | 35-154 | | | |
| PCB-1260 | 10K0231 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.450 | | 90 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0231* | | | mg/kg wet | | | | | *95* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0231* | | | mg/kg wet | | | | | *83* | | *10-149* | | | |
| **TCLP Metals by 1311/6000/7000** | | | | | | | | | | | | | | |
| Arsenic | 10K0360 | | 5.00 | mg/L | N/A | 0.500 | 5.06 | | 101 | | 80-120 | | | |
| Barium | 10K0360 | | 5.00 | mg/L | N/A | 0.100 | 4.85 | | 97 | | 80-120 | | | |
| Cadmium | 10K0360 | | 5.00 | mg/L | N/A | 0.150 | 5.08 | | 102 | | 80-120 | | | |
| Chromium | 10K0360 | | 5.00 | mg/L | N/A | 0.200 | 5.26 | | 105 | | 80-120 | | | |
| Lead | 10K0360 | | 5.00 | mg/L | N/A | 0.400 | 4.84 | | 97 | | 80-120 | | | |
| Selenium | 10K0360 | | 5.00 | mg/L | N/A | 0.500 | 5.25 | | 105 | | 80-120 | | | |
| Silver | 10K0360 | | 5.00 | mg/L | N/A | 0.200 | 5.04 | | 101 | | 80-120 | | | |
| Mercury | 10K0386 | | 0.00100 | mg/L | N/A | 0.000200 | 0.00104 | | 104 | | 80-120 | | | |
| **TCLP Volatile Organic Compounds by EPA Method 1311/8260B** | | | | | | | | | | | | | | |
| Benzene | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0205 | | 103 | | 79-120 | | | |
| 2-Butanone (MEK) | 10K0401 | | 0.0500 | mg/L | N/A | 0.0125 | 0.0539 | | 108 | | 69-121 | | | |
| Carbon tetrachloride | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0215 | | 108 | | 70-129 | | | |
| ›benzene | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0222 | | 111 | | 78-120 | | | |
| ›form | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0206 | | 103 | | 77-120 | | | |
| 1,2-Dichloroethane | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0217 | | 109 | | 75-120 | | | |
| 1,1-Dichloroethene | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0173 | | 87 | | 71-121 | | | |
| Tetrachloroethene | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0201 | | 100 | | 62-128 | | | |
| Trichloroethene | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0209 | | 104 | | 77-120 | | | |
| Vinyl chloride | 10K0401 | | 0.0200 | mg/L | N/A | 0.00100 | 0.0175 | | 87 | | 65-126 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0401* | | | mg/L | | | | | *102* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0401* | | | mg/L | | | | | *100* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0401* | | | mg/L | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0401* | | | mg/L | | | | | *98* | | *80-120* | | | |
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0345 | | 69 | | 47-120 | | | |
| 2,4-Dinitrotoluene | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0521 | | 104 | | 41-146 | | | |
| Hexachlorobenzene | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0460 | | 92 | | 65-128 | | | |
| Hexachlorobutadiene | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0320 | | 64 | | 50-120 | | | |
| Hexachloroethane | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0327 | | 65 | | 41-120 | | | |
| 2-Methylphenol (o-Cresol) | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0492 | | 98 | | 57-120 | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0555 | | 111 | | 57-120 | | | |
| Nitrobenzene | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0492 | | 98 | | 63-120 | | | |
| Pentachlorophenol | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0406 | | 81 | | 54-120 | | | |
| Pyridine | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0330 | | 66 | | 31-120 | | | |
| 2,4,5-Trichlorophenol | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0553 | | 111 | | 58-120 | | | |
| 2,4,6-Trichlorophenol | 10K0379 | | 0.0500 | mg/L | N/A | 0.0100 | 0.0509 | | 102 | | 60-121 | | | |
| *Surrogate: 2-Fluorophenol* | *10K0379* | | | mg/L | | | | | *63* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10K0379* | | | mg/L | | | | | *128* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0379* | | | mg/L | | | | | *96* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0379* | | | mg/L | | | | | *85* | | *43-134* | | | |

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| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0230 | Received: 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/11/10 16:39 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TCLP Semivolatile Compounds by EPA Method 1311/8270C** | | | | | | | | | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0379* | | | mg/L | | | | | *91* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *10K0379* | | | mg/L | | | | | *106* | | *34-149* | | | |

# AOI 48 Pre-Excavation PCB Soil Samples

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 09, 2010

Client:

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018

Attn: John Hlavacek

Work Order: DTK0229
Project Name: Dayton Tech Town
Project Number: Dayton Tech Town

Date Received: 11/04/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| #1 East Side From Tank Walls | DTK0229-01 | 11/04/10 10:50 |
| #2 West Side From Tank Walls | DTK0229-02 | 11/04/10 11:13 |
| #3 North Side From Tank Walls | DTK0229-03 | 11/04/10 11:23 |
| #4 South Side From Tank Walls | DTK0229-04 | 11/04/10 14:05 |
| #5 Bottom Under Tank | DTK0229-05 | 11/04/10 14:12 |

Ohio Certification Number: 4074, 857

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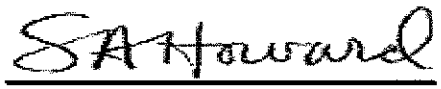
*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:



This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTK0229
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 11/04/10
Reported: 11/09/10 16:38

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0229-01 (#1 East Side From Tank Walls - Non-aqueous)** | | | | | **Sampled: 11/04/10 10:50** | | | **Recvd: 11/04/10 17:00** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **89.3** | | % | 0.100 | 1 | 11/08/10 14:26 | jlb | 10K0328 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.111 | M1 | mg/kg dry | 0.111 | 1 | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| PCB-1221 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| PCB-1232 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| PCB-1242 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| PCB-1248 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| **PCB-1254** | **28.2** | | mg/kg dry | 5.56 | 50 | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| PCB-1260 | <0.111 | M1 | mg/kg dry | 0.111 | 1 | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *79 %* | | | | | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *52 %* | | | | | 11/08/10 18:55 | jbp | 10K0231 | SW 8082 |
| **Sample ID: DTK0229-02 (#2 West Side From Tank Walls - Non-aqueous)** | | | | | **Sampled: 11/04/10 11:13** | | | **Recvd: 11/04/10 17:00** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **81.9** | | % | 0.100 | 1 | 11/08/10 14:26 | jlb | 10K0328 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| 016 | <0.121 | | mg/kg dry | 0.121 | 1 | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| -1221 | <0.121 | | mg/kg dry | 0.121 | 1 | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| PCB-1232 | <0.121 | | mg/kg dry | 0.121 | 1 | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| PCB-1242 | <0.121 | | mg/kg dry | 0.121 | 1 | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| PCB-1248 | <0.121 | | mg/kg dry | 0.121 | 1 | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| **PCB-1254** | **6.42** | | mg/kg dry | 1.21 | 10 | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| PCB-1260 | <0.121 | | mg/kg dry | 0.121 | 1 | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *69 %* | | | | | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *38 %* | | | | | 11/08/10 19:14 | jbp | 10K0231 | SW 8082 |
| **Sample ID: DTK0229-03 (#3 North Side From Tank Walls - Non-aqueous)** | | | | | **Sampled: 11/04/10 11:23** | | | **Recvd: 11/04/10 17:00** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **92.6** | | % | 0.100 | 1 | 11/08/10 14:26 | jlb | 10K0328 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| PCB-1221 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| PCB-1232 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| PCB-1242 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| PCB-1248 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| **PCB-1254** | **12.2** | | mg/kg dry | 2.16 | 20 | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| PCB-1260 | <0.108 | | mg/kg dry | 0.108 | 1 | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *62 %* | | | | | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *51 %* | | | | | 11/08/10 19:34 | jbp | 10K0231 | SW 8082 |

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| | | | | | |
|---|---|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0229 | Received: | 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 11/09/10 16:38 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0229-04 (#4 South Side From Tank Walls - Non-aqueous)** | | | | | **Sampled: 11/04/10 14:05** | | | **Recvd: 11/04/10 17:00** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **90.0** | | % | 0.100 | 1 | 11/08/10 14:26 | jlb | 10K0328 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| PCB-1221 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| PCB-1232 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| PCB-1242 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| PCB-1248 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| **PCB-1254** | **11.5** | | mg/kg dry | 2.20 | 20 | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| PCB-1260 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *72 %* | | | | | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *53 %* | | | | | 11/08/10 19:53 | jbp | 10K0231 | SW 8082 |
| **Sample ID: DTK0229-05 (#5 Bottom Under Tank - Non-aqueous)** | | | | | **Sampled: 11/04/10 14:12** | | | **Recvd: 11/04/10 17:00** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **81.1** | | % | 0.100 | 1 | 11/08/10 14:26 | jlb | 10K0328 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.122 | | mg/kg dry | 0.122 | 1 | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| PCB-1221 | <0.122 | | mg/kg dry | 0.122 | 1 | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| PCB-1232 | <0.122 | | mg/kg dry | 0.122 | 1 | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| PCB-1242 | <0.122 | | mg/kg dry | 0.122 | 1 | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| PCB-1248 | <0.122 | | mg/kg dry | 0.122 | 1 | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| **PCB-1254** | **27.8** | | mg/kg dry | 6.12 | 50 | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| PCB-1260 | <0.122 | | mg/kg dry | 0.122 | 1 | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *59 %* | | | | | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *46 %* | | | | | 11/08/10 20:13 | jbp | 10K0231 | SW 8082 |

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| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0229 | Received: 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/09/10 16:38 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0231 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0231 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0231* | | | mg/kg wet | | | | | *95* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0231* | | | mg/kg wet | | | | | *83* | | *10-149* | | | |

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|---|---|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0229 | Received: | 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 11/09/10 16:38 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTJ1114-05** | | | | | | | | | | | | | |
| Dry Weight | 10K0328 | 86.1 | | % | N/A | 0.100 | 87.8 | | | | 2 | 20 | |
| **QC Source Sample: DTK0242-01** | | | | | | | | | | | | | |
| Dry Weight | 10K0328 | 89.3 | | % | N/A | 0.100 | 91.9 | | | | 3 | 20 | |

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|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0229 | Received: 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 11/09/10 16:38 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0231 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.457 | | 91 | | 35-154 | | | |
| PCB-1260 | 10K0231 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.450 | | 90 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0231* | | | mg/kg wet | | | | | *95* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0231* | | | mg/kg wet | | | | | *83* | | *10-149* | | | |

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|---|---|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTK0229 | Received: | 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 11/09/10 16:38 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0229-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0231 | <0.1111488 | 0.557 | mg/kg dry | N/A | 0.111 | 1.70 | 1.72 | 306 | 313 | 35-154 | 1 | 25 | M1 |
| PCB-1260 | 10K0231 | <0.1111488 | 0.557 | mg/kg dry | N/A | 0.111 | 4.84 | 4.48 | 868 | 818 | 22-171 | 8 | 25 | M1 |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0231* | | | mg/kg dry | | | | | *77* | *81* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0231* | | | mg/kg dry | | | | | *55* | *51* | *10-149* | | | |

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THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | | | |
|---|---|---|---|---|---|
| ..emedial Construction Services Inc (Erlanger) | Work Order: | DTK0229 | Received: | 11/04/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 11/09/10 16:38 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

**M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

# Chain of Cus Record

DTK0229

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: DAYTON

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Recon | Client Project Manager: John Hlavacek | Site Contact: Lanny D Nelson | Lab Contact: Brian O'Donnell | COC No: |
| Address: 1488 Cox Ave | Telephone: Mobile 713-732-7969 | Telephone: 713-259-2190 | Telephone: 937-294-6856 | ____ of ____ COCs |
| City/State/Zip: Erlanger, Ky 41018 | Email: John Hlavacek@Recon | Analysis Turnaround Time (In BUS days) | | For lab use only |
| Phone: 859-746-1140 | services.com | TAT if different from below 3 days | | Walk-in client ☐ |
| Project Name: Dayton Tech Town | Method of Shipment/Carrier: | Rush ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Lab pickup ☐ |
| Project Number: 2-3461-2-001 | Shipping/Tracking No: | | | Lab sampling ☐ |
| PO # | | | | Job/SDG No: |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C/Grab=G | Analyses: PCB's | TCLPs | VOC | METALS | SVOC | | | | | | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #1 East side from tank walls | 11/4/10 | 1050 Hrs | | | | ✓ | | | | | | | ✓ | | | | ✓ | | | | | | | | | | Log in PCBs |
| #2 West side from tank walls | 11/4/10 | 1113 hrs | | | | ✓ | | | | | | | ✓ | | | | ✓ | | | | | | | | | | on separate W.O. |
| #3 North side from tank walls | 11/4/10 | 1123 Hrs | | | | ✓ | | | | | | | ✓ | | | | ✓ | | | | | | | | | | 3 day Rush TAT |
| #4 South side from tank walls | 11/4/10 | 1405 Hrs | | | | ✓ | | | | | | | ✓ | | | | ✓ | | | | | | | | | | |
| #5 Bottom under tank | 11/4/10 | 1412 Hrs | | | | ✓ | | | | | | | ✓ | | | | ✓ | | | | | | | | | | |
| #6 Sludge from tank | 11/4/10 | 1425 Hrs | | | ✓ | ✓ | | | | | | | ✓ | | | | ✓ | | | | | | | | | | One sample w/3 jars |
| #7 Sludge from tank | 11/4/10 | 1425 Hrs | | | ✓ | ✓ | | | | | | | ✓ | | | | | ✓ | ✓ | | | | | | | | |
| #8 Sludge from tank | 11/4/10 | 1425 Hrs | | | ✓ | ✓ | | | | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | |
| #9 Stockpile | 11/4/10 | 1445 Hrs | | | | ✓ | | | | | | | ✓ | | | | | ✓ | | ✓ | ✓ | | | | | | One sample w/two jars |
| #10 Stockpile | 11/4/10 | 1450 | | | | ✓ | | | | | | | | | | | | ✓ | ✓ | | | | | | | | |

BTO 11/4/10

Possible Hazard Identification: ☑ 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: Check with John Hlavacek on the analyses on the sludge and stockpile or

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Lanny D Nelson | Recon | 11/4/10 1548 hr | Brian O'Donnell | TestAmerica | 11/4/10 1540 |
| Brian O'Donnell | TestAmerica | 11/4/10 1700 | | | |
| | | | Received in Laboratory by: B O'Donnell | TA | 11/4/10 1700 |

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TAL-0018 (1008)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Remedial Construction Services
☐ Short Hold Work Order # DTK0229
☒ Rush ☐ 24hr ☐ 2day ☒ 3day ☐ 5day ☐ other
Receipt evaluation performed by - Initials: BTD Date: 11-4-10 Time: 1700

**Method of Shipment:**
☐ Walk-In Client ☒ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☐ Plastic Bags ☐ Foam
☒ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☒ N/A (not used or required)
**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

**Are there any soil samples from areas requiring USDA quarantine?** *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ **No** ☐ **Yes** (If Yes, *Project Manager must be notified).*

**Receipt Temperatures** ☐ Check if Additional Sheets Required

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 8.2 | 7.2 | ☐ | 6 | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 ***Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.***

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
**Contact via:** ☐ Phone ☐ Email ☐ Other **Person Contacted:** **Date/Time:**
☐ Discrepancy allowance agreement is on record in the client project file.
**Discussion/Resolution:**

***Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.***

11/5/10
Reviewed by PM Signature Date

# AOI 48 Confirmation Samples

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 10, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTK0256
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 11/05/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-11410-UST-Bottom-1 | DTK0256-01 | 11/04/10 15:10 |
| TT-11410-UST-SW-1 | DTK0256-02 | 11/04/10 15:28 |
| TT-11410-UST-EW-1 | DTK0256-03 | 11/04/10 15:40 |
| TT-11410-UST-NW-1 | DTK0256-04 | 11/04/10 15:55 |
| TT-11410-UST-NW-2 | DTK0256-05 | 11/04/10 15:55 |
| TT-11410-UST-WW-1 | DTK0256-06 | 11/04/10 16:10 |
| Trip Blank | DTK0256-10 | 11/04/10 |
| TT-11410-UST-SW-B&C | DTK0256-11 | 11/04/10 15:30 |

**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

*Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.*

*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-01 (TT-11410-UST-Bottom-1 - Non-aqueous)** | | | | | **Sampled: 11/04/10 15:10** | | **Recvd: 11/05/10 10:45** | | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **86.1** | | % | 0.100 | 1 | 11/08/10 14:40 | jlb | 10K0329 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.115 | | mg/kg dry | 0.115 | 1 | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| PCB-1221 | <0.115 | | mg/kg dry | 0.115 | 1 | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| PCB-1232 | <0.115 | | mg/kg dry | 0.115 | 1 | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| PCB-1242 | <0.115 | | mg/kg dry | 0.115 | 1 | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| PCB-1248 | <0.115 | | mg/kg dry | 0.115 | 1 | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| **PCB-1254** | **6.40** | | mg/kg dry | 1.15 | 10 | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| PCB-1260 | <0.115 | | mg/kg dry | 0.115 | 1 | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *54 %* | | | | | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *37 %* | | | | | 11/09/10 03:42 | jbp | 10K0262 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <4.22 | | mg/kg dry | 4.22 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Benzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Bromobenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Bromochloromethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260E |
| Bromoform | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Bromomethane (Methyl bromide) | <0.422 | | mg/kg dry | 0.422 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 2-Butanone (MEK) | <2.11 | | mg/kg dry | 2.11 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| tert-Butylbenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| sec-Butylbenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| n-Butylbenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Carbon disulfide | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Carbon tetrachloride | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Chlorobenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Chloroethane | <0.422 | | mg/kg dry | 0.422 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Chloroform | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Chloromethane (Methyl chloride) | <0.422 | | mg/kg dry | 0.422 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 4-Chlorotoluene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 2-Chlorotoluene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Dibromomethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichlorobenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,4-Dichlorobenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichlorobenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Dichlorodifluoromethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloroethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloroethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| cis-1,2-Dichloroethene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| trans-1,2-Dichloroethene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-01 (TT-11410-UST-Bottom-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:10** | | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| 1,1-Dichloroethene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichloropropane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 2,2-Dichloropropane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloropropane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloropropene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| cis-1,3-Dichloropropene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| trans-1,3-Dichloropropene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Ethylbenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Hexachlorobutadiene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| n-Hexane | <0.844 | | mg/kg dry | 0.844 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 2-Hexanone | <2.11 | | mg/kg dry | 2.11 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Isopropylbenzene (Cumene) | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| p-Isopropyltoluene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Methyl tert-butyl ether | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Methylene chloride | <0.422 | | mg/kg dry | 0.422 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| hyl-2-pentanone (MIBK) | <2.11 | | mg/kg dry | 2.11 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| ,ylbenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Styrene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| **Tetrachloroethene** | **1.31** | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Toluene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trichlorobenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,1,1-Trichloroethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,1,2-Trichloroethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| **Trichloroethene** | **0.497** | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Trichlorofluoromethane | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trimethylbenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| 1,3,5-Trimethylbenzene | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Vinyl Acetate | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Vinyl chloride | <0.0844 | | mg/kg dry | 0.0844 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Xylenes, total | <0.211 | | mg/kg dry | 0.211 | 42 | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *89 %* | | | | | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *84 %* | | | | | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *100 %* | | | | | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *98 %* | | | | | 11/09/10 15:17 | jmt | 10K0440 | SW 8260B |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Acenaphthene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Acenaphthylene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Anthracene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Benzo (a) anthracene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Benzo (b) fluoranthene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| g,h,i) perylene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

**Sample ID: DTK0256-01 (TT-11410-UST-Bottom-1 - Non-aqueous) - cont.** **Sampled: 11/04/10 15:10** **Recvd: 11/05/10 10:45**

Semivolatile Organics by GC/MS - cont.

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzo (k) fluoranthene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Benzo (a) pyrene | <0.854 | | mg/kg dry | 0.854 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Benzoic acid | <17.1 | | mg/kg dry | 17.1 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Benzyl alcohol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethoxy)methane | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethyl)ether | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 4-Bromophenyl phenyl ether | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Butyl benzyl phthalate | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 4-Chloroaniline | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 4-Chloro-3-methylphenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2-Chloronaphthalene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2-Chlorophenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Chrysene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Dibenzofuran | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 1,2-Dichlorobenzene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 1,3-Dichlorobenzene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 1,4-Dichlorobenzene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Dibenz (a,h) anthracene | <0.854 | | mg/kg dry | 0.854 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2,4-Dichlorophenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Diethyl phthalate | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2,4-Dimethylphenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Dimethyl phthalate | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2,4-Dinitrotoluene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2,6-Dinitrotoluene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Di-n-octyl phthalate | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Fluoranthene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Fluorene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Hexachlorobenzene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Hexachlorocyclopentadiene | <6.83 | | mg/kg dry | 6.83 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Hexachloroethane | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Isophorone | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2-Methylnaphthalene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Naphthalene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Nitrobenzene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2-Nitrophenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| N-Nitrosodi-n-propylamine | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-01 (TT-11410-UST-Bottom-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:10** | | | **Recvd: 11/05/10 10:45** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Pentachlorophenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Phenanthrene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Phenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Pyrene | <1.71 | | mg/kg dry | 1.71 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 1,2,4-Trichlorobenzene | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2,4,5-Trichlorophenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| 2,4,6-Trichlorophenol | <3.42 | | mg/kg dry | 3.42 | 5 | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorophenol (20-135%)* | *77 %* | | | | | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| *Surr: Phenol-d6 (20-150%)* | *114 %* | | | | | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| *Surr: Nitrobenzene-d5 (30-135%)* | *79 %* | | | | | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (40-135%)* | *81 %* | | | | | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (25-145%)* | *82 %* | | | | | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| *Surr: Terphenyl-d14 (40-150%)* | *86 %* | | | | | 11/09/10 17:25 | clh | 10K0284 | SW 8270C |
| Total Petroleum Hydrocarbons | | | | | | | | | |
| GRO (C6-C12) | <120 | | mg/kg dry | 120 | 250 | 11/09/10 17:56 | tnf | 10K0372 | SW 8015B |
| **DRO (C10-C20)** | **368** | | mg/kg dry | 34.7 | 1 | 11/09/10 17:41 | jdm | 10K0256 | SW 8015B |
| **(C20-C34)** | **990** | | mg/kg dry | 34.7 | 1 | 11/09/10 17:41 | jdm | 10K0256 | SW 8015B |
| *Surr: o-Terphenyl (44-143%)* | *47 %* | | | | | 11/09/10 17:41 | jdm | 10K0256 | SW 8015B |
| *Surr: a,a,a-Trifluorotoluene (76-137%)* | *94 %* | | | | | 11/09/10 17:56 | tnf | 10K0372 | SW 8015B |
| *Surr: 4-Bromofluorobenzene (59-151%)* | *78 %* | | | | | 11/09/10 17:56 | tnf | 10K0372 | SW 8015B |

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Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-02 (TT-11410-UST-SW-1 - Non-aqueous)** | | | | | **Sampled: 11/04/10 15:28** | | | **Recvd: 11/05/10 10:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **91.3** | | % | 0.100 | 1 | 11/08/10 14:40 | jlb | 10K0329 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| PCB-1221 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| PCB-1232 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| PCB-1242 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| PCB-1248 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| **PCB-1254** | **0.455** | | mg/kg dry | 0.109 | 1 | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| PCB-1260 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *70 %* | | | | | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *40 %* | | | | | 11/09/10 04:01 | jbp | 10K0262 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <3.65 | | mg/kg dry | 3.65 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Benzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Bromobenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Bromochloromethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260E |
| Bromoform | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Bromomethane (Methyl bromide) | <0.365 | | mg/kg dry | 0.365 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 2-Butanone (MEK) | <1.83 | | mg/kg dry | 1.83 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| tert-Butylbenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| sec-Butylbenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| n-Butylbenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Carbon disulfide | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Carbon tetrachloride | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Chlorobenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Chloroethane | <0.365 | | mg/kg dry | 0.365 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Chloroform | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Chloromethane (Methyl chloride) | <0.365 | | mg/kg dry | 0.365 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 4-Chlorotoluene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 2-Chlorotoluene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Dibromomethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichlorobenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,4-Dichlorobenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichlorobenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Dichlorodifluoromethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloroethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloroethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| cis-1,2-Dichloroethene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| trans-1,2-Dichloroethene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |

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Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-02 (TT-11410-UST-SW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:28** | | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| 1,1-Dichloroethene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichloropropane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 2,2-Dichloropropane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloropropane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloropropene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| cis-1,3-Dichloropropene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| trans-1,3-Dichloropropene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Ethylbenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Hexachlorobutadiene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| n-Hexane | <0.730 | | mg/kg dry | 0.730 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 2-Hexanone | <1.83 | | mg/kg dry | 1.83 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Isopropylbenzene (Cumene) | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| p-Isopropyltoluene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Methyl tert-butyl ether | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Methylene chloride | <0.365 | | mg/kg dry | 0.365 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| hyl-2-pentanone (MIBK) | <1.83 | | mg/kg dry | 1.83 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| ylbenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Styrene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| **Tetrachloroethene** | **2.99** | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Toluene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trichlorobenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,1,1-Trichloroethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,1,2-Trichloroethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| **Trichloroethene** | **0.212** | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Trichlorofluoromethane | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trimethylbenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| 1,3,5-Trimethylbenzene | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Vinyl Acetate | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Vinyl chloride | <0.0730 | | mg/kg dry | 0.0730 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Xylenes, total | <0.183 | | mg/kg dry | 0.183 | 42 | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *86 %* | | | | | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *81 %* | | | | | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *100 %* | | | | | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *99 %* | | | | | 11/09/10 16:15 | jmt | 10K0440 | SW 8260B |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Acenaphthene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Acenaphthylene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Anthracene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Benzo (a) anthracene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Benzo (b) fluoranthene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| g,h,i) perylene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |

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Reported: 11/10/10 16:32

## ANALYTICAL REPORT

**Sample ID: DTK0256-02 (TT-11410-UST-SW-1 - Non-aqueous) - cont.** **Sampled: 11/04/10 15:28** **Recvd: 11/05/10 10:45**

Semivolatile Organics by GC/MS - cont.

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzo (k) fluoranthene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Benzo (a) pyrene | <0.161 | | mg/kg dry | 0.161 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Benzoic acid | <3.21 | | mg/kg dry | 3.21 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Benzyl alcohol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethoxy)methane | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethyl)ether | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 4-Bromophenyl phenyl ether | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Butyl benzyl phthalate | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 4-Chloroaniline | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 4-Chloro-3-methylphenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2-Chloronaphthalene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2-Chlorophenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Chrysene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Dibenzofuran | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 1,2-Dichlorobenzene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 1,3-Dichlorobenzene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 1,4-Dichlorobenzene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Dibenz (a,h) anthracene | <0.161 | | mg/kg dry | 0.161 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2,4-Dichlorophenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Diethyl phthalate | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2,4-Dimethylphenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Dimethyl phthalate | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2,4-Dinitrotoluene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2,6-Dinitrotoluene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Di-n-octyl phthalate | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Fluoranthene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Fluorene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Hexachlorobenzene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Hexachlorocyclopentadiene | <1.28 | | mg/kg dry | 1.28 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Hexachloroethane | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Isophorone | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2-Methylnaphthalene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Naphthalene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Nitrobenzene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2-Nitrophenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| N-Nitrosodi-n-propylamine | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |

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| | | | |
|---|---|---|---|
| ..veston Solutions Inc. (Dayton, OH) | Work Order: | DTK0256 | Received: 11/05/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/10/10 16:32 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-02 (TT-11410-UST-SW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:28** | | | **Recvd: 11/05/10 10:45** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Pentachlorophenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Phenanthrene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Phenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Pyrene | <0.321 | | mg/kg dry | 0.321 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 1,2,4-Trichlorobenzene | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2,4,5-Trichlorophenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| 2,4,6-Trichlorophenol | <0.642 | | mg/kg dry | 0.642 | 1 | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorophenol (20-135%)* | *69 %* | | | | | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| *Surr: Phenol-d6 (20-150%)* | *107 %* | | | | | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| *Surr: Nitrobenzene-d5 (30-135%)* | *79 %* | | | | | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (40-135%)* | *81 %* | | | | | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (25-145%)* | *74 %* | | | | | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| *Surr: Terphenyl-d14 (40-150%)* | *87 %* | | | | | 11/09/10 17:49 | clh | 10K0284 | SW 8270C |
| Total Petroleum Hydrocarbons | | | | | | | | | |
| GRO (C6-C12) | <103 | | mg/kg dry | 103 | 250 | 11/09/10 18:27 | tnf | 10K0372 | SW 8015B |
| [illegible] (C10-C20) | <32.6 | | mg/kg dry | 32.6 | 1 | 11/09/10 18:01 | jdm | 10K0256 | SW 8015B |
| **(C20-C34)** | **64.5** | | mg/kg dry | 32.6 | 1 | 11/09/10 18:01 | jdm | 10K0256 | SW 8015B |
| *Surr: o-Terphenyl (44-143%)* | *88 %* | | | | | 11/09/10 18:01 | jdm | 10K0256 | SW 8015B |
| *Surr: a,a,a-Trifluorotoluene (76-137%)* | *106 %* | | | | | 11/09/10 18:27 | tnf | 10K0372 | SW 8015B |
| *Surr: 4-Bromofluorobenzene (59-151%)* | *88 %* | | | | | 11/09/10 18:27 | tnf | 10K0372 | SW 8015B |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-03 (TT-11410-UST-EW-1 - Non-aqueous)** | | | | | **Sampled: 11/04/10 15:40** | | **Recvd: 11/05/10 10:45** | | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **90.5** | | % | 0.100 | 1 | 11/08/10 14:40 | jlb | 10K0329 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| PCB-1221 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| PCB-1232 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| PCB-1242 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| PCB-1248 | <0.110 | | mg/kg dry | 0.110 | 1 | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| **PCB-1254** | **12.2** | | mg/kg dry | 2.21 | 20 | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| PCB-1260 | <0.110 | M1 | mg/kg dry | 0.110 | 1 | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *78 %* | | | | | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *53 %* | | | | | 11/09/10 04:21 | jbp | 10K0262 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <4.40 | | mg/kg dry | 4.40 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Benzene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Bromobenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Bromochloromethane | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Bromoform | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Bromomethane (Methyl bromide) | <0.440 | | mg/kg dry | 0.440 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 2-Butanone (MEK) | <2.20 | | mg/kg dry | 2.20 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| tert-Butylbenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| sec-Butylbenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| n-Butylbenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Carbon disulfide | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Carbon tetrachloride | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Chlorobenzene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Chloroethane | <0.440 | | mg/kg dry | 0.440 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Chloroform | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Chloromethane (Methyl chloride) | <0.440 | | mg/kg dry | 0.440 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 4-Chlorotoluene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 2-Chlorotoluene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Dibromomethane | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichlorobenzene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,4-Dichlorobenzene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichlorobenzene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Dichlorodifluoromethane | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloroethane | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloroethane | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| cis-1,2-Dichloroethene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| trans-1,2-Dichloroethene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-03 (TT-11410-UST-EW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:40** | | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| 1,1-Dichloroethene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichloropropane | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 2,2-Dichloropropane | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloropropane | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloropropene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| cis-1,3-Dichloropropene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| trans-1,3-Dichloropropene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Ethylbenzene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Hexachlorobutadiene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| n-Hexane | <0.879 | | mg/kg dry | 0.879 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 2-Hexanone | <2.20 | | mg/kg dry | 2.20 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Isopropylbenzene (Cumene) | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| p-Isopropyltoluene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Methyl tert-butyl ether | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Methylene chloride | <0.440 | M | mg/kg dry | 0.440 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| hyl-2-pentanone (MIBK) | <2.20 | | mg/kg dry | 2.20 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| pylbenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Styrene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| **Tetrachloroethene** | **1.26** | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Toluene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trichlorobenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,1,1-Trichloroethane | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,1,2-Trichloroethane | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Trichloroethene | <0.220 | M | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Trichlorofluoromethane | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trimethylbenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| 1,3,5-Trimethylbenzene | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Vinyl Acetate | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Vinyl chloride | <0.0879 | | mg/kg dry | 0.0879 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Xylenes, total | <0.220 | | mg/kg dry | 0.220 | 42 | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *87 %* | | | | | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *81 %* | | | | | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *101 %* | | | | | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *99 %* | | | | | 11/09/10 17:41 | jmt | 10K0440 | SW 8260B |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Acenaphthene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Acenaphthylene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Anthracene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Benzo (a) anthracene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Benzo (b) fluoranthene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| g,h,i) perylene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-03 (TT-11410-UST-EW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:40** | | | **Recvd: 11/05/10 10:45** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Benzo (k) fluoranthene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Benzo (a) pyrene | <0.162 | | mg/kg dry | 0.162 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Benzoic acid | <3.25 | | mg/kg dry | 3.25 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Benzyl alcohol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethoxy)methane | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethyl)ether | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 4-Bromophenyl phenyl ether | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Butyl benzyl phthalate | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 4-Chloroaniline | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 4-Chloro-3-methylphenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2-Chloronaphthalene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2-Chlorophenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Chrysene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Dibenzofuran | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 1,2-Dichlorobenzene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 1,3-Dichlorobenzene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 1,4-Dichlorobenzene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Dibenz (a,h) anthracene | <0.162 | | mg/kg dry | 0.162 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2,4-Dichlorophenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Diethyl phthalate | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2,4-Dimethylphenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Dimethyl phthalate | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2,4-Dinitrotoluene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2,6-Dinitrotoluene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Di-n-octyl phthalate | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Fluoranthene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Fluorene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Hexachlorobenzene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Hexachlorocyclopentadiene | <1.30 | | mg/kg dry | 1.30 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Hexachloroethane | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Isophorone | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2-Methylnaphthalene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Naphthalene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Nitrobenzene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2-Nitrophenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| N-Nitrosodi-n-propylamine | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-03 (TT-11410-UST-EW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:40** | | | **Recvd: 11/05/10 10:45** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Pentachlorophenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Phenanthrene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Phenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Pyrene | <0.325 | | mg/kg dry | 0.325 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 1,2,4-Trichlorobenzene | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2,4,5-Trichlorophenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| 2,4,6-Trichlorophenol | <0.650 | | mg/kg dry | 0.650 | 1 | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorophenol (20-135%)* | *61 %* | | | | | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| *Surr: Phenol-d6 (20-150%)* | *100 %* | | | | | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| *Surr: Nitrobenzene-d5 (30-135%)* | *77 %* | | | | | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (40-135%)* | *80 %* | | | | | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (25-145%)* | *72 %* | | | | | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| *Surr: Terphenyl-d14 (40-150%)* | *82 %* | | | | | 11/09/10 18:12 | clh | 10K0284 | SW 8270C |
| Total Petroleum Hydrocarbons | | | | | | | | | |
| GRO (C6-C12) | <128 | | mg/kg dry | 128 | 250 | 11/09/10 20:29 | tnf | 10K0372 | SW 8015B |
| DRO (C10-C20) | <33.1 | | mg/kg dry | 33.1 | 1 | 11/09/10 18:20 | jdm | 10K0256 | SW 8015B |
| **(C20-C34)** | **122** | | mg/kg dry | 33.1 | 1 | 11/09/10 18:20 | jdm | 10K0256 | SW 8015B |
| *Surr: o-Terphenyl (44-143%)* | *90 %* | | | | | 11/09/10 18:20 | jdm | 10K0256 | SW 8015B |
| *Surr: a,a,a-Trifluorotoluene (76-137%)* | *105 %* | | | | | 11/09/10 20:29 | tnf | 10K0372 | SW 8015B |
| *Surr: 4-Bromofluorobenzene (59-151%)* | *85 %* | | | | | 11/09/10 20:29 | tnf | 10K0372 | SW 8015B |

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0256 | Received: 11/05/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/10/10 16:32 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-04 (TT-11410-UST-NW-1 - Non-aqueous)** | | | | | **Sampled: 11/04/10 15:55** | | | **Recvd: 11/05/10 10:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **88.6** | | % | 0.100 | 1 | 11/08/10 14:40 | jlb | 10K0329 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| PCB-1221 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| PCB-1232 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| PCB-1242 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| PCB-1248 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| **PCB-1254** | **10.5** | | mg/kg dry | 2.21 | 20 | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| PCB-1260 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *84 %* | | | | | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *54 %* | | | | | 11/09/10 04:40 | jbp | 10K0262 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <9.29 | | mg/kg dry | 9.29 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Benzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Bromobenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Bromochloromethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Bromoform | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Bromomethane (Methyl bromide) | <0.929 | | mg/kg dry | 0.929 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 2-Butanone (MEK) | <4.65 | | mg/kg dry | 4.65 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| tert-Butylbenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| sec-Butylbenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| n-Butylbenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Carbon disulfide | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Carbon tetrachloride | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Chlorobenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Chloroethane | <0.929 | | mg/kg dry | 0.929 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Chloroform | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Chloromethane (Methyl chloride) | <0.929 | | mg/kg dry | 0.929 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 4-Chlorotoluene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 2-Chlorotoluene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Dibromomethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichlorobenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,4-Dichlorobenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichlorobenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Dichlorodifluoromethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloroethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloroethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| cis-1,2-Dichloroethene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| trans-1,2-Dichloroethene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |

weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-04 (TT-11410-UST-NW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:55** | | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| 1,1-Dichloroethene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichloropropane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 2,2-Dichloropropane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloropropane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloropropene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| cis-1,3-Dichloropropene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| trans-1,3-Dichloropropene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Ethylbenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Hexachlorobutadiene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| n-Hexane | <1.86 | | mg/kg dry | 1.86 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 2-Hexanone | <4.65 | | mg/kg dry | 4.65 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Isopropylbenzene (Cumene) | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| p-Isopropyltoluene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Methyl tert-butyl ether | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Methylene chloride | <0.929 | | mg/kg dry | 0.929 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| hyl-2-pentanone (MIBK) | <4.65 | | mg/kg dry | 4.65 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| ,pylbenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Styrene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| **Tetrachloroethene** | **2.04** | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Toluene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trichlorobenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,1,1-Trichloroethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,1,2-Trichloroethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| **Trichloroethene** | **1.98** | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Trichlorofluoromethane | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trimethylbenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| 1,3,5-Trimethylbenzene | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Vinyl Acetate | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Vinyl chloride | <0.186 | | mg/kg dry | 0.186 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Xylenes, total | <0.465 | | mg/kg dry | 0.465 | 54.5 | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *90 %* | | | | | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *85 %* | | | | | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *100 %* | | | | | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *97 %* | | | | | 11/09/10 14:49 | jmt | 10K0440 | SW 8260B |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Acenaphthene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Acenaphthylene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Anthracene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Benzo (a) anthracene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Benzo (b) fluoranthene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| g,h,i) perylene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

**Sample ID: DTK0256-04 (TT-11410-UST-NW-1 - Non-aqueous) - cont.** **Sampled: 11/04/10 15:55** **Recvd: 11/05/10 10:45**

Semivolatile Organics by GC/MS - cont.

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzo (k) fluoranthene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Benzo (a) pyrene | <0.828 | | mg/kg dry | 0.828 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Benzoic acid | <16.6 | | mg/kg dry | 16.6 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Benzyl alcohol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethoxy)methane | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethyl)ether | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 4-Bromophenyl phenyl ether | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Butyl benzyl phthalate | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 4-Chloroaniline | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 4-Chloro-3-methylphenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2-Chloronaphthalene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2-Chlorophenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Chrysene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Dibenzofuran | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 1,2-Dichlorobenzene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 1,3-Dichlorobenzene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 1,4-Dichlorobenzene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Dibenz (a,h) anthracene | <0.828 | | mg/kg dry | 0.828 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2,4-Dichlorophenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Diethyl phthalate | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2,4-Dimethylphenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Dimethyl phthalate | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2,4-Dinitrotoluene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2,6-Dinitrotoluene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Di-n-octyl phthalate | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Fluoranthene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Fluorene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Hexachlorobenzene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Hexachlorocyclopentadiene | <6.62 | | mg/kg dry | 6.62 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Hexachloroethane | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Isophorone | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2-Methylnaphthalene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Naphthalene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Nitrobenzene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2-Nitrophenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| N-Nitrosodi-n-propylamine | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0256 | Received: 11/05/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/10/10 16:32 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-04 (TT-11410-UST-NW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:55** | | | **Recvd: 11/05/10 10:45** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Pentachlorophenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Phenanthrene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Phenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Pyrene | <1.66 | | mg/kg dry | 1.66 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 1,2,4-Trichlorobenzene | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2,4,5-Trichlorophenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| 2,4,6-Trichlorophenol | <3.31 | | mg/kg dry | 3.31 | 5 | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorophenol (20-135%)* | *71 %* | | | | | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| *Surr: Phenol-d6 (20-150%)* | *108 %* | | | | | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| *Surr: Nitrobenzene-d5 (30-135%)* | *80 %* | | | | | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (40-135%)* | *87 %* | | | | | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (25-145%)* | *81 %* | | | | | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| *Surr: Terphenyl-d14 (40-150%)* | *87 %* | | | | | 11/09/10 18:35 | clh | 10K0284 | SW 8270C |
| Total Petroleum Hydrocarbons | | | | | | | | | |
| GRO (C6-C12) | <131 | | mg/kg dry | 131 | 250 | 11/09/10 18:57 | tnf | 10K0373 | SW 8015B |
| **DRO (C10-C20)** | **160** | | mg/kg dry | 33.8 | 1 | 11/09/10 18:40 | jdm | 10K0256 | SW 8015B |
| **(C20-C34)** | **673** | | mg/kg dry | 33.8 | 1 | 11/09/10 18:40 | jdm | 10K0256 | SW 8015B |
| *Surr: o-Terphenyl (44-143%)* | *63 %* | | | | | 11/09/10 18:40 | jdm | 10K0256 | SW 8015B |
| *Surr: a,a,a-Trifluorotoluene (76-137%)* | *106 %* | | | | | 11/09/10 18:57 | tnf | 10K0373 | SW 8015B |
| *Surr: 4-Bromofluorobenzene (59-151%)* | *89 %* | | | | | 11/09/10 18:57 | tnf | 10K0373 | SW 8015B |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-05 (TT-11410-UST-NW-2 - Non-aqueous)** | | | | | **Sampled: 11/04/10 15:55** | | | **Recvd: 11/05/10 10:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **89.7** | | % | 0.100 | 1 | 11/08/10 14:40 | jlb | 10K0329 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| PCB-1221 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| PCB-1232 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| PCB-1242 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| PCB-1248 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| **PCB-1254** | **12.9** | | mg/kg dry | 2.22 | 20 | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| PCB-1260 | <0.111 | | mg/kg dry | 0.111 | 1 | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *77 %* | | | | | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *51 %* | | | | | 11/09/10 05:00 | jbp | 10K0262 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <4.27 | | mg/kg dry | 4.27 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Benzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Bromobenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Bromochloromethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Bromoform | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Bromomethane (Methyl bromide) | <0.427 | | mg/kg dry | 0.427 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 2-Butanone (MEK) | <2.13 | | mg/kg dry | 2.13 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| tert-Butylbenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| sec-Butylbenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| n-Butylbenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Carbon disulfide | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Carbon tetrachloride | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Chlorobenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Chloroethane | <0.427 | | mg/kg dry | 0.427 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Chloroform | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Chloromethane (Methyl chloride) | <0.427 | | mg/kg dry | 0.427 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 4-Chlorotoluene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 2-Chlorotoluene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Dibromomethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichlorobenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,4-Dichlorobenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichlorobenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Dichlorodifluoromethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloroethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloroethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| **cis-1,2-Dichloroethene** | **0.529** | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| trans-1,2-Dichloroethene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
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Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
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Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-05 (TT-11410-UST-NW-2 - Non-aqueous) - cont.** | | | | | | **Sampled: 11/04/10 15:55** | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| 1,1-Dichloroethene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichloropropane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 2,2-Dichloropropane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloropropane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloropropene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| cis-1,3-Dichloropropene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| trans-1,3-Dichloropropene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Ethylbenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Hexachlorobutadiene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| n-Hexane | <0.854 | | mg/kg dry | 0.854 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 2-Hexanone | <2.13 | | mg/kg dry | 2.13 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Isopropylbenzene (Cumene) | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| p-Isopropyltoluene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Methyl tert-butyl ether | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Methylene chloride | <0.427 | | mg/kg dry | 0.427 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 'hyl-2-pentanone (MIBK) | <2.13 | | mg/kg dry | 2.13 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| .pylbenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Styrene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| **Tetrachloroethene** | **2.52** | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Toluene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trichlorobenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,1,1-Trichloroethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,1,2-Trichloroethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| **Trichloroethene** | **3.12** | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Trichlorofluoromethane | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trimethylbenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| 1,3,5-Trimethylbenzene | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Vinyl Acetate | <0.213 | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Vinyl chloride | <0.0854 | | mg/kg dry | 0.0854 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| **Xylenes, total** | **0.225** | | mg/kg dry | 0.213 | 42 | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *87 %* | | | | | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *80 %* | | | | | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *99 %* | | | | | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *98 %* | | | | | 11/09/10 17:12 | jmt | 10K0440 | SW 8260B |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Acenaphthene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Acenaphthylene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Anthracene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Benzo (a) anthracene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Benzo (b) fluoranthene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| g,h,i) perylene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

**Sample ID: DTK0256-05 (TT-11410-UST-NW-2 - Non-aqueous) - cont.** **Sampled: 11/04/10 15:55** **Recvd: 11/05/10 10:45**

Semivolatile Organics by GC/MS - cont.

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzo (k) fluoranthene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Benzo (a) pyrene | <0.815 | | mg/kg dry | 0.815 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Benzoic acid | <16.3 | | mg/kg dry | 16.3 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Benzyl alcohol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethoxy)methane | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethyl)ether | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 4-Bromophenyl phenyl ether | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Butyl benzyl phthalate | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 4-Chloroaniline | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 4-Chloro-3-methylphenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2-Chloronaphthalene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2-Chlorophenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Chrysene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Dibenzofuran | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 1,2-Dichlorobenzene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 1,3-Dichlorobenzene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 1,4-Dichlorobenzene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Dibenz (a,h) anthracene | <0.815 | | mg/kg dry | 0.815 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2,4-Dichlorophenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Diethyl phthalate | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2,4-Dimethylphenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Dimethyl phthalate | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2,4-Dinitrotoluene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2,6-Dinitrotoluene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Di-n-octyl phthalate | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Fluoranthene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Fluorene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Hexachlorobenzene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Hexachlorocyclopentadiene | <6.52 | | mg/kg dry | 6.52 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Hexachloroethane | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Isophorone | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2-Methylnaphthalene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Naphthalene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Nitrobenzene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2-Nitrophenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| N-Nitrosodi-n-propylamine | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |

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Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-05 (TT-11410-UST-NW-2 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 15:55** | | | **Recvd: 11/05/10 10:45** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Pentachlorophenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Phenanthrene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Phenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Pyrene | <1.63 | | mg/kg dry | 1.63 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 1,2,4-Trichlorobenzene | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2,4,5-Trichlorophenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| 2,4,6-Trichlorophenol | <3.26 | | mg/kg dry | 3.26 | 5 | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorophenol (20-135%)* | *61 %* | | | | | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| *Surr: Phenol-d6 (20-150%)* | *94 %* | | | | | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| *Surr: Nitrobenzene-d5 (30-135%)* | *70 %* | | | | | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (40-135%)* | *77 %* | | | | | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (25-145%)* | *74 %* | | | | | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| *Surr: Terphenyl-d14 (40-150%)* | *76 %* | | | | | 11/09/10 18:59 | clh | 10K0284 | SW 8270C |
| Total Petroleum Hydrocarbons | | | | | | | | | |
| GRO (C6-C12) | <121 | | mg/kg dry | 121 | 250 | 11/09/10 19:28 | tnf | 10K0372 | SW 8015B |
| **DRO (C10-C20)** | **102** | | mg/kg dry | 33.2 | 1 | 11/09/10 19:00 | jdm | 10K0256 | SW 8015B |
| **(C20-C34)** | **463** | | mg/kg dry | 33.2 | 1 | 11/09/10 19:00 | jdm | 10K0256 | SW 8015B |
| *Surr: o-Terphenyl (44-143%)* | *67 %* | | | | | 11/09/10 19:00 | jdm | 10K0256 | SW 8015B |
| *Surr: a,a,a-Trifluorotoluene (76-137%)* | *103 %* | | | | | 11/09/10 19:28 | tnf | 10K0372 | SW 8015B |
| *Surr: 4-Bromofluorobenzene (59-151%)* | *86 %* | | | | | 11/09/10 19:28 | tnf | 10K0372 | SW 8015B |

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Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-06 (TT-11410-UST-WW-1 - Non-aqueous)** | | | | | **Sampled: 11/04/10 16:10** | | | **Recvd: 11/05/10 10:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **90.8** | | % | 0.100 | 1 | 11/08/10 14:40 | jlb | 10K0329 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| PCB-1221 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| PCB-1232 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| PCB-1242 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| PCB-1248 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| **PCB-1254** | **12.3** | | mg/kg dry | 2.18 | 20 | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| PCB-1260 | <0.109 | | mg/kg dry | 0.109 | 1 | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *84 %* | | | | | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *54 %* | | | | | 11/09/10 05:19 | jbp | 10K0262 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <3.74 | | mg/kg dry | 3.74 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Benzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Bromobenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Bromochloromethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Bromoform | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Bromomethane (Methyl bromide) | <0.374 | | mg/kg dry | 0.374 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 2-Butanone (MEK) | <1.87 | | mg/kg dry | 1.87 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| tert-Butylbenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| sec-Butylbenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| n-Butylbenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Carbon disulfide | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Carbon tetrachloride | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Chlorobenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Chloroethane | <0.374 | | mg/kg dry | 0.374 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Chloroform | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Chloromethane (Methyl chloride) | <0.374 | | mg/kg dry | 0.374 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 4-Chlorotoluene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 2-Chlorotoluene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Dibromomethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichlorobenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,4-Dichlorobenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichlorobenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Dichlorodifluoromethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloroethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloroethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| **cis-1,2-Dichloroethene** | **0.540** | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| trans-1,2-Dichloroethene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |

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Work Order: DTK0256
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Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-06 (TT-11410-UST-WW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 16:10** | | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| 1,1-Dichloroethene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,3-Dichloropropane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 2,2-Dichloropropane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,2-Dichloropropane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,1-Dichloropropene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| cis-1,3-Dichloropropene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| trans-1,3-Dichloropropene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Ethylbenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Hexachlorobutadiene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| n-Hexane | <0.749 | | mg/kg dry | 0.749 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 2-Hexanone | <1.87 | | mg/kg dry | 1.87 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Isopropylbenzene (Cumene) | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| p-Isopropyltoluene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Methyl tert-butyl ether | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Methylene chloride | <0.374 | | mg/kg dry | 0.374 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| hyl-2-pentanone (MIBK) | <1.87 | | mg/kg dry | 1.87 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| pylbenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Styrene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| **Tetrachloroethene** | **1.42** | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Toluene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trichlorobenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,1,1-Trichloroethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,1,2-Trichloroethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| **Trichloroethene** | **1.88** | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Trichlorofluoromethane | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,2,4-Trimethylbenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| 1,3,5-Trimethylbenzene | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Vinyl Acetate | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Vinyl chloride | <0.0749 | | mg/kg dry | 0.0749 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Xylenes, total | <0.187 | | mg/kg dry | 0.187 | 42 | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *87 %* | | | | | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *83 %* | | | | | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *100 %* | | | | | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *98 %* | | | | | 11/09/10 15:46 | jmt | 10K0440 | SW 8260B |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Acenaphthene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Acenaphthylene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Anthracene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Benzo (a) anthracene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Benzo (b) fluoranthene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| g,h,i) perylene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

**Sample ID: DTK0256-06 (TT-11410-UST-WW-1 - Non-aqueous) - cont.** **Sampled: 11/04/10 16:10** **Recvd: 11/05/10 10:45**

Semivolatile Organics by GC/MS - cont.

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Benzo (k) fluoranthene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Benzo (a) pyrene | <0.804 | | mg/kg dry | 0.804 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Benzoic acid | <16.1 | | mg/kg dry | 16.1 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Benzyl alcohol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethoxy)methane | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroethyl)ether | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 4-Bromophenyl phenyl ether | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Butyl benzyl phthalate | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 4-Chloroaniline | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 4-Chloro-3-methylphenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2-Chloronaphthalene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2-Chlorophenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Chrysene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Dibenzofuran | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 1,2-Dichlorobenzene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 1,3-Dichlorobenzene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 1,4-Dichlorobenzene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Dibenz (a,h) anthracene | <0.804 | | mg/kg dry | 0.804 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2,4-Dichlorophenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Diethyl phthalate | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2,4-Dimethylphenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Dimethyl phthalate | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2,4-Dinitrotoluene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2,6-Dinitrotoluene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Di-n-octyl phthalate | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Fluoranthene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Fluorene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Hexachlorobenzene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Hexachlorocyclopentadiene | <6.43 | | mg/kg dry | 6.43 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Hexachloroethane | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Isophorone | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2-Methylnaphthalene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Naphthalene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Nitrobenzene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2-Nitrophenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| N-Nitrosodi-n-propylamine | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |

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711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-06 (TT-11410-UST-WW-1 - Non-aqueous) - cont.** | | | | | **Sampled: 11/04/10 16:10** | | | **Recvd: 11/05/10 10:45** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Pentachlorophenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Phenanthrene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Phenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Pyrene | <1.61 | | mg/kg dry | 1.61 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 1,2,4-Trichlorobenzene | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2,4,5-Trichlorophenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| 2,4,6-Trichlorophenol | <3.22 | | mg/kg dry | 3.22 | 5 | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorophenol (20-135%)* | *66 %* | | | | | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| *Surr: Phenol-d6 (20-150%)* | *101 %* | | | | | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| *Surr: Nitrobenzene-d5 (30-135%)* | *71 %* | | | | | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (40-135%)* | *78 %* | | | | | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (25-145%)* | *76 %* | | | | | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| *Surr: Terphenyl-d14 (40-150%)* | *78 %* | | | | | 11/09/10 19:22 | clh | 10K0284 | SW 8270C |
| Total Petroleum Hydrocarbons | | | | | | | | | |
| GRO (C6-C12) | <106 | | mg/kg dry | 106 | 250 | 11/09/10 19:58 | tnf | 10K0372 | SW 8015B |
| **[illegible] (C10-C20)** | **75.2** | | mg/kg dry | 32.8 | 1 | 11/09/10 19:19 | jdm | 10K0256 | SW 8015B |
| **(C20-C34)** | **340** | | mg/kg dry | 32.8 | 1 | 11/09/10 19:19 | jdm | 10K0256 | SW 8015B |
| *Surr: o-Terphenyl (44-143%)* | *74 %* | | | | | 11/09/10 19:19 | jdm | 10K0256 | SW 8015B |
| *Surr: a,a,a-Trifluorotoluene (76-137%)* | *106 %* | | | | | 11/09/10 19:58 | tnf | 10K0372 | SW 8015B |
| *Surr: 4-Bromofluorobenzene (59-151%)* | *88 %* | | | | | 11/09/10 19:58 | tnf | 10K0372 | SW 8015B |

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Project: Tech Town Remediation
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Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-10 (Trip Blank - Water - NonPotable)** | | | | | **Sampled: 11/04/10** | | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <20.0 | P6 | ug/L | 20.0 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Benzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Bromobenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Bromochloromethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Bromoform | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Bromomethane (Methyl bromide) | <5.00 | P6 | ug/L | 5.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 2-Butanone (MEK) | <12.5 | P6 | ug/L | 12.5 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| tert-Butylbenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| sec-Butylbenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| n-Butylbenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Carbon disulfide | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Carbon tetrachloride | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Chlorobenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Chloroethane | <5.00 | P6 | ug/L | 5.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Chloroform | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260E |
| Chloromethane (Methyl chloride) | <5.00 | P6 | ug/L | 5.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 4-Chlorotoluene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 2-Chlorotoluene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Dibromomethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,2-Dichlorobenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,4-Dichlorobenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,3-Dichlorobenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Dichlorodifluoromethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,1-Dichloroethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,2-Dichloroethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| cis-1,2-Dichloroethene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| trans-1,2-Dichloroethene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,1-Dichloroethene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,3-Dichloropropane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 2,2-Dichloropropane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,2-Dichloropropane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,1-Dichloropropene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| cis-1,3-Dichloropropene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| trans-1,3-Dichloropropene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Ethylbenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Hexachlorobutadiene | <5.00 | P6 | ug/L | 5.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| n-Hexane | <5.00 | P6 | ug/L | 5.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 2-Hexanone | <10.0 | P6 | ug/L | 10.0 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Isopropylbenzene (Cumene) | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |

,,eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-10 (Trip Blank - Water - NonPotable) - cont.** | | | | | **Sampled: 11/04/10** | | | **Recvd: 11/05/10 10:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| p-Isopropyltoluene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Methyl tert-butyl ether | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Methylene chloride | <50.0 | P6 | ug/L | 50.0 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | P6 | ug/L | 12.5 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| n-Propylbenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Styrene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Tetrachloroethene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Toluene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,2,4-Trichlorobenzene | <5.00 | P6 | ug/L | 5.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,1,1-Trichloroethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| 1,1,2-Trichloroethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Trichloroethene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Trichlorofluoromethane | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Trimethylbenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Trimethylbenzene | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Vinyl Acetate | <5.00 | P6 | ug/L | 5.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Vinyl chloride | <1.00 | P6 | ug/L | 1.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| Xylenes, Total | <2.00 | P6 | ug/L | 2.00 | 1 | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *94 %* | *P6* | | | | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *91 %* | *P6* | | | | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *101 %* | *P6* | | | | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *99 %* | *P6* | | | | 11/09/10 14:18 | jmt | 10K0401 | SW 8260B |

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| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0256 | Received: | 11/05/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 11/10/10 16:32 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0256-11 (TT-11410-UST-SW-B&C - Non-aqueous)** | | | | | **Sampled: 11/04/10 15:30** | | | **Recvd: 11/05/10 10:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **90.5** | | % | 0.100 | 1 | 11/08/10 14:40 | jlb | 10K0329 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.201 | | mg/kg dry | 0.201 | 1 | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |
| PCB-1221 | <0.201 | | mg/kg dry | 0.201 | 1 | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |
| PCB-1232 | <0.201 | | mg/kg dry | 0.201 | 1 | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |
| PCB-1242 | <0.201 | | mg/kg dry | 0.201 | 1 | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |
| PCB-1248 | <0.201 | | mg/kg dry | 0.201 | 1 | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |
| **PCB-1254** | **32.4** | | mg/kg dry | 4.03 | 20 | 11/09/10 18:49 | jbp | 10K0262 | SW 8082 |
| PCB-1260 | <0.201 | | mg/kg dry | 0.201 | 1 | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *76 %* | | | | | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *55 %* | | | | | 11/09/10 05:39 | jbp | 10K0262 | SW 8082 |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0262 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0262 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0262* | | | mg/kg wet | | | | | *98* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0262* | | | mg/kg wet | | | | | *80* | | *10-149* | | | |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Benzene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromodichloromethane (Dichlorobromomethane) | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromoform | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromomethane (Methyl bromide) | 10K0401 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Carbon tetrachloride | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chlorobenzene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chloroethane | 10K0401 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Chloroform | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chloromethane (Methyl chloride) | 10K0401 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Dibromochloromethane (Chlorodibromomethane) | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichlorobenzene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| chlorobenzene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| chlorobenzene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1-Dichloroethane | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichloroethane | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| trans-1,2-Dichloroethene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1-Dichloroethene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichloropropane | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| cis-1,3-Dichloropropene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| trans-1,3-Dichloropropene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Ethylbenzene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| n-Hexane | 10K0401 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Methylene chloride | 10K0401 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Tetrachloroethene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Toluene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1,1-Trichloroethane | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1,2-Trichloroethane | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Trichloroethene | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Trichlorofluoromethane | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Vinyl chloride | 10K0401 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0401* | | | ug/L | | | | | *97* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0401* | | | ug/L | | | | | *93* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0401* | | | ug/L | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0401* | | | ug/L | | | | | *98* | | *80-120* | | | |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Benzene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Bromodichloromethane (Dichlorobromomethane) | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Bromoform | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Bromomethane (Methyl bromide) | 10K0440 | | | mg/kg wet | N/A | 0.420 | <0.420 | | | | | | | |
| Carbon tetrachloride | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Chlorobenzene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Chloroethane | 10K0440 | | | mg/kg wet | N/A | 0.420 | <0.420 | | | | | | | |
| Chloroform | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Chloromethane (Methyl chloride) | 10K0440 | | | mg/kg wet | N/A | 0.420 | <0.420 | | | | | | | |
| Dibromochloromethane (Chlorodibromomethane) | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,2-Dichlorobenzene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,4-Dichlorobenzene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,3-Dichlorobenzene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,1-Dichloroethane | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,2-Dichloroethane | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| trans-1,2-Dichloroethene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,1-Dichloroethene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,2-Dichloropropane | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| cis-1,3-Dichloropropene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| trans-1,3-Dichloropropene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Ethylbenzene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Methylene chloride | 10K0440 | | | mg/kg wet | N/A | 0.420 | <0.420 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Tetrachloroethene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Toluene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,1,1-Trichloroethane | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| 1,1,2-Trichloroethane | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Trichloroethene | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Trichlorofluoromethane | 10K0440 | | | mg/kg wet | N/A | 0.210 | <0.210 | | | | | | | |
| Vinyl chloride | 10K0440 | | | mg/kg wet | N/A | 0.0840 | <0.0840 | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0440* | | | mg/kg wet | | | | | *91* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0440* | | | mg/kg wet | | | | | *89* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0440* | | | mg/kg wet | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0440* | | | mg/kg wet | | | | | *97* | | *80-120* | | | |
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Acenaphthene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Acenaphthylene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Anthracene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Benzo (a) anthracene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Benzo (b) fluoranthene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Benzo (g,h,i) perylene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Benzo (k) fluoranthene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Benzo (a) pyrene | 10K0284 | | | mg/kg wet | N/A | 0.147 | <0.147 | | | | | | | |
| Benzoic acid | 10K0284 | | | mg/kg wet | N/A | 2.94 | <2.94 | | | | | | | |

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Received: 11/05/10
Reported: 11/10/10 16:32

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Benzyl alcohol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Bis(2-chloroethoxy)methane | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Bis(2-chloroethyl)ether | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Bis(2-chloroisopropyl) ether | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 4-Bromophenyl phenyl ether | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Butyl benzyl phthalate | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 4-Chloroaniline | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 4-Chloro-3-methylphenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 2-Chloronaphthalene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 2-Chlorophenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Chrysene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Dibenzofuran | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 1,2-Dichlorobenzene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 1,3-Dichlorobenzene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 1,4-Dichlorobenzene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Dibenz (a,h) anthracene | 10K0284 | | | mg/kg wet | N/A | 0.147 | <0.147 | | | | | | | |
| 2,4-Dichlorophenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| l phthalate | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| ., .imethylphenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Dimethyl phthalate | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 2,4-Dinitrotoluene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 2,6-Dinitrotoluene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Di-n-octyl phthalate | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Fluoranthene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Fluorene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Hexachlorobenzene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Hexachlorocyclopentadiene | 10K0284 | | | mg/kg wet | N/A | 1.18 | <1.18 | | | | | | | |
| Hexachloroethane | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Indeno (1,2,3-cd) pyrene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Isophorone | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 2-Methylnaphthalene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| 2-Methylphenol (o-Cresol) | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Naphthalene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Nitrobenzene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 2-Nitrophenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| N-Nitrosodi-n-propylamine | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Pentachlorophenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Phenanthrene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| Phenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| Pyrene | 10K0284 | | | mg/kg wet | N/A | 0.294 | <0.294 | | | | | | | |
| 1,2,4-Trichlorobenzene | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| 2,4,5-Trichlorophenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |

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Received: 11/05/10
Reported: 11/10/10 16:32

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| 2,4,6-Trichlorophenol | 10K0284 | | | mg/kg wet | N/A | 0.588 | <0.588 | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *10K0284* | | | mg/kg wet | | | | | *61* | | *20-135* | | | |
| *Surrogate: Phenol-d6* | *10K0284* | | | mg/kg wet | | | | | *90* | | *20-150* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0284* | | | mg/kg wet | | | | | *66* | | *30-135* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0284* | | | mg/kg wet | | | | | *76* | | *40-135* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0284* | | | mg/kg wet | | | | | *79* | | *25-145* | | | |
| *Surrogate: Terphenyl-d14* | *10K0284* | | | mg/kg wet | | | | | *91* | | *40-150* | | | |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | | | | | |
| DRO (C10-C20) | 10K0256 | | | mg/kg wet | N/A | 30.0 | <30.0 | | | | | | | |
| DRO (C20-C34) | 10K0256 | | | mg/kg wet | N/A | 30.0 | <30.0 | | | | | | | |
| *Surrogate: o-Terphenyl* | *10K0256* | | | mg/kg wet | | | | | *82* | | *44-143* | | | |
| GRO (C6-C12) | 10K0372 | | | mg/kg wet | N/A | 20.0 | <20.0 | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *10K0372* | | | mg/kg wet | | | | | *97* | | *76-137* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0372* | | | mg/kg wet | | | | | *87* | | *59-151* | | | |
| GRO (C6-C12) | 10K0373 | | | mg/kg wet | N/A | 20.0 | <20.0 | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *10K0373* | | | mg/kg wet | | | | | *107* | | *76-137* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0373* | | | mg/kg wet | | | | | *95* | | *59-151* | | | |

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Received: 11/05/10
Reported: 11/10/10 16:32

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK0256-03** | | | | | | | | | | | | | |
| Dry Weight | 10K0329 | 90.5 | | % | N/A | 0.100 | 88.9 | | | | 2 | 20 | |

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0256 | Received: 11/05/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/10/10 16:32 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0262 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.419 | | 84 | | 35-154 | | | |
| PCB-1260 | 10K0262 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.381 | | 76 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0262* | | | mg/kg wet | | | | | *93* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0262* | | | mg/kg wet | | | | | *66* | | *10-149* | | | |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Benzene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 20.5 | | 103 | | 79-120 | | | |
| Bromodichloromethane (Dichlorobromomethane) | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.9 | | 115 | | 76-121 | | | |
| Bromoform | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.0 | | 110 | | 69-120 | | | |
| Bromomethane (Methyl bromide) | 10K0401 | | 20.0 | ug/L | N/A | 5.00 | 17.3 | | 87 | | 64-120 | | | |
| Carbon tetrachloride | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 21.5 | | 108 | | 70-129 | | | |
| Chlorobenzene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.2 | | 111 | | 78-120 | | | |
| Chloroethane | 10K0401 | | 20.0 | ug/L | N/A | 5.00 | 18.7 | | 94 | | 67-120 | | | |
| Chloroform | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 20.6 | | 103 | | 77-120 | | | |
| Chloromethane (Methyl chloride) | 10K0401 | | 20.0 | ug/L | N/A | 5.00 | 18.1 | | 91 | | 58-120 | | | |
| Dibromochloromethane (Chlorodibromomethane) | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 25.4 | | 127 | | 76-123 | | | L1 |
| 1,2-Dichlorobenzene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 23.3 | | 117 | | 78-123 | | | |
| 1,4-Dichlorobenzene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.5 | | 112 | | 74-120 | | | |
| 1,3-Dichlorobenzene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.8 | | 114 | | 76-121 | | | |
| 1,1-Dichloroethane | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 19.7 | | 98 | | 79-120 | | | |
| 1,2-Dichloroethane | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 21.7 | | 109 | | 75-120 | | | |
| trans-1,2-Dichloroethene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 18.9 | | 95 | | 79-120 | | | |
| 1,1-Dichloroethene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 17.3 | | 87 | | 71-121 | | | |
| 1,2-Dichloropropane | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 21.2 | | 106 | | 80-120 | | | |
| cis-1,3-Dichloropropene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.8 | | 114 | | 80-120 | | | |
| trans-1,3-Dichloropropene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 24.6 | | 123 | | 74-120 | | | L1 |
| Ethylbenzene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.0 | | 110 | | 79-120 | | | |
| n-Hexane | 10K0401 | | 20.0 | ug/L | N/A | 5.00 | 19.7 | | 98 | | 57-180 | | | |
| Methylene chloride | 10K0401 | | 20.0 | ug/L | N/A | 5.00 | 16.4 | | 82 | | 76-120 | | | |
| 1,1,2,2-Tetrachloroethane | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 23.2 | | 116 | | 74-120 | | | |
| Tetrachloroethene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 20.1 | | 100 | | 62-128 | | | |
| Toluene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 20.8 | | 104 | | 79-120 | | | |
| 1,1,1-Trichloroethane | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 22.1 | | 111 | | 74-121 | | | |
| 1,1,2-Trichloroethane | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 23.7 | | 118 | | 75-120 | | | |
| Trichloroethene | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 20.9 | | 104 | | 77-120 | | | |
| Trichlorofluoromethane | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 19.4 | | 97 | | 71-136 | | | |
| Vinyl chloride | 10K0401 | | 20.0 | ug/L | N/A | 1.00 | 17.5 | | 87 | | 65-126 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0401* | | | ug/L | | | | | *102* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0401* | | | ug/L | | | | | *100* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0401* | | | ug/L | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0401* | | | ug/L | | | | | *98* | | *80-120* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Benzene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.54 | | 111 | | 73-120 | | | |
| Bromodichloromethane (Dichlorobromomethane) | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.38 | | 108 | | 72-120 | | | |
| Bromoform | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 4.96 | | 99 | | 61-120 | | | |
| Bromomethane (Methyl bromide) | 10K0440 | | | mg/kg wet | N/A | 2.50 | <2.50 | | | | 52-123 | | | |
| Carbon tetrachloride | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.58 | | 112 | | 64-122 | | | |
| Chlorobenzene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.75 | | 115 | | 67-121 | | | |
| Chloroethane | 10K0440 | | | mg/kg wet | N/A | 2.50 | <2.50 | | | | 53-129 | | | |
| Chloroform | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.30 | | 106 | | 68-122 | | | |
| Chloromethane (Methyl chloride) | 10K0440 | | | mg/kg wet | N/A | 2.50 | <2.50 | | | | 40-139 | | | |
| Dibromochloromethane (Chlorodibromomethane) | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.66 | | 113 | | 54-152 | | | |
| 1,2-Dichlorobenzene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.62 | | 112 | | 74-120 | | | |
| 1,4-Dichlorobenzene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.76 | | 115 | | 71-120 | | | |
| 1,3-Dichlorobenzene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.74 | | 115 | | 72-120 | | | |
| 1,1-Dichloroethane | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 4.91 | | 98 | | 63-125 | | | |
| 1,2-Dichloroethane | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.12 | | 102 | | 70-120 | | | |
| trans-1,2-Dichloroethene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 4.63 | | 93 | | 70-120 | | | |
| ·ichloroethene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 4.35 | | 87 | | 57-130 | | | |
| chloropropane | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.37 | | 107 | | 68-120 | | | |
| cis-1,3-Dichloropropene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.32 | | 106 | | 70-121 | | | |
| trans-1,3-Dichloropropene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.97 | | 119 | | 64-120 | | | |
| Ethylbenzene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.90 | | 118 | | 69-123 | | | |
| Methylene chloride | 10K0440 | | 5.00 | mg/kg wet | N/A | 2.50 | 4.18 | | 84 | | 46-124 | | | |
| 1,1,2,2-Tetrachloroethane | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.50 | | 110 | | 69-120 | | | |
| Tetrachloroethene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.38 | | 108 | | 58-133 | | | |
| Toluene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.64 | | 113 | | 63-126 | | | |
| 1,1,1-Trichloroethane | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.54 | | 111 | | 63-125 | | | |
| 1,1,2-Trichloroethane | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.79 | | 116 | | 71-120 | | | |
| Trichloroethene | 10K0440 | | 5.00 | mg/kg wet | N/A | 1.25 | 5.64 | | 113 | | 71-120 | | | |
| Trichlorofluoromethane | 10K0440 | | | mg/kg wet | N/A | 1.25 | <1.25 | | | | 60-128 | | | |
| Vinyl chloride | 10K0440 | | | mg/kg wet | N/A | 0.500 | <0.500 | | | | 40-140 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0440* | | | mg/kg wet | | | | | *95* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0440* | | | mg/kg wet | | | | | *94* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0440* | | | mg/kg wet | | | | | *101* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0440* | | | mg/kg wet | | | | | *99* | | *80-120* | | | |
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Acenaphthene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.54 | | 86 | | 30-150 | | | |
| Acenaphthylene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.56 | | 87 | | 35-150 | | | |
| Anthracene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.59 | | 88 | | 40-150 | | | |
| Benzo (a) anthracene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.67 | | 91 | | 40-150 | | | |
| Benzo (b) fluoranthene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.39 | | 81 | | 30-150 | | | |
| Benzo (g,h,i) perylene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.15 | | 73 | | 25-150 | | | |
| Benzo (k) fluoranthene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.75 | | 93 | | 35-150 | | | |
| Benzo (a) pyrene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.147 | 3.04 | | 103 | | 35-150 | | | |
| Benzyl alcohol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.30 | | 78 | | 20-150 | | | |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0256 | Received: 11/05/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/10/10 16:32 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Bis(2-chloroethoxy)methane | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.37 | | 80 | | 30-150 | | | |
| Bis(2-chloroethyl)ether | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.29 | | 78 | | 20-150 | | | |
| Bis(2-chloroisopropyl) ether | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.20 | | 75 | | 15-150 | | | |
| Bis(2-ethylhexyl)phthalate | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.58 | | 88 | | 25-150 | | | |
| 4-Bromophenyl phenyl ether | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.42 | | 82 | | 35-150 | | | |
| Butyl benzyl phthalate | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.67 | | 91 | | 30-150 | | | |
| 4-Chloroaniline | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 1.87 | | 64 | | 15-150 | | | |
| 4-Chloro-3-methylphenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.49 | | 85 | | 30-150 | | | |
| 2-Chloronaphthalene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.47 | | 84 | | 30-150 | | | |
| 2-Chlorophenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.30 | | 78 | | 20-150 | | | |
| Chrysene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.65 | | 90 | | 30-150 | | | |
| Dibenzofuran | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.46 | | 84 | | 35-150 | | | |
| 1,2-Dichlorobenzene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.21 | | 75 | | 20-150 | | | |
| 1,3-Dichlorobenzene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.22 | | 75 | | 20-145 | | | |
| 1,4-Dichlorobenzene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.22 | | 76 | | 25-145 | | | |
| Dibenz (a,h) anthracene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.147 | 2.33 | | 79 | | 25-150 | | | |
| 2,4-Dichlorophenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.46 | | 84 | | 30-150 | | | |
| Diethyl phthalate | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.71 | | 92 | | 35-150 | | | |
| 2,4-Dimethylphenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.31 | | 79 | | 25-145 | | | |
| Dimethyl phthalate | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.51 | | 85 | | 40-150 | | | |
| 4,6-Dinitro-2-methylphenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 1.24 | | 42 | | 10-150 | | | |
| 2,4-Dinitrotoluene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.47 | | 84 | | 35-150 | | | |
| 2,6-Dinitrotoluene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.56 | | 87 | | 35-150 | | | |
| Di-n-octyl phthalate | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.74 | | 93 | | 35-150 | | | |
| Fluoranthene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.62 | | 89 | | 35-150 | | | |
| Fluorene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.53 | | 86 | | 35-150 | | | |
| Hexachlorobenzene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.49 | | 85 | | 30-150 | | | |
| Hexachlorocyclopentadiene | 10K0284 | | 2.94 | mg/kg wet | N/A | 1.18 | 1.45 | | 49 | | 20-130 | | | |
| Hexachloroethane | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.29 | | 78 | | 15-150 | | | |
| Indeno (1,2,3-cd) pyrene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.28 | | 78 | | 25-150 | | | |
| Isophorone | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.43 | | 83 | | 25-150 | | | |
| 2-Methylnaphthalene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.39 | | 81 | | 30-150 | | | |
| 2-Methylphenol (o-Cresol) | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.30 | | 78 | | 20-150 | | | |
| 3&4-Methylphenol (m&p Cresol) | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.43 | | 83 | | 25-150 | | | |
| Naphthalene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.29 | | 78 | | 30-150 | | | |
| Nitrobenzene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.30 | | 78 | | 25-150 | | | |
| 2-Nitrophenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.33 | | 79 | | 25-150 | | | |
| N-Nitrosodi-n-propylamine | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.34 | | 80 | | 20-150 | | | |
| Pentachlorophenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.13 | | 72 | | 15-145 | | | |
| Phenanthrene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.51 | | 85 | | 40-150 | | | |
| Phenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.21 | | 75 | | 20-150 | | | |
| Pyrene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.294 | 2.56 | | 87 | | 35-150 | | | |
| 1,2,4-Trichlorobenzene | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.50 | | 85 | | 30-150 | | | |
| 2,4,5-Trichlorophenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.60 | | 88 | | 25-150 | | | |
| 2,4,6-Trichlorophenol | 10K0284 | | 2.94 | mg/kg wet | N/A | 0.588 | 2.57 | | 87 | | 25-150 | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

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Project: Tech Town Remediation
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Received: 11/05/10
Reported: 11/10/10 16:32

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *10K0284* | | | mg/kg wet | | | | | *76* | | *20-135* | | | |
| *Surrogate: Phenol-d6* | *10K0284* | | | mg/kg wet | | | | | *112* | | *20-150* | | | |
| *Surrogate: Nitrobenzene-d5* | *10K0284* | | | mg/kg wet | | | | | *82* | | *30-135* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10K0284* | | | mg/kg wet | | | | | *92* | | *40-135* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10K0284* | | | mg/kg wet | | | | | *84* | | *25-145* | | | |
| *Surrogate: Terphenyl-d14* | *10K0284* | | | mg/kg wet | | | | | *95* | | *40-150* | | | |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | | | | | |
| DRO (C10-C20) | 10K0256 | | 133 | mg/kg wet | N/A | 30.0 | 122 | | 92 | | 17-130 | | | |
| DRO (C20-C34) | 10K0256 | | 133 | mg/kg wet | N/A | 30.0 | 164 | | 123 | | 13-140 | | | |
| *Surrogate: o-Terphenyl* | *10K0256* | | | mg/kg wet | | | | | *89* | | *44-143* | | | |
| GRO (C6-C12) | 10K0372 | | 168 | mg/kg wet | N/A | 119 | 134 | | 80 | | 54-139 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *10K0372* | | | mg/kg wet | | | | | *103* | | *76-137* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0372* | | | mg/kg wet | | | | | *89* | | *59-151* | | | |
| GRO (C6-C12) | 10K0373 | | 168 | mg/kg wet | N/A | 40.0 | 192 | | 114 | | 54-139 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *10K0373* | | | mg/kg wet | | | | | *103* | | *76-137* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0373* | | | mg/kg wet | | | | | *97* | | *59-151* | | | |

| | | | |
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| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0256-03** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0262 | <0.1104478 | 0.547 | mg/kg dry | N/A | 0.109 | 0.660 | 0.680 | 121 | 123 | 35-154 | 3 | 25 | |
| PCB-1260 | 10K0262 | <0.1104478 | 0.547 | mg/kg dry | N/A | 0.109 | 1.31 | 1.27 | 240 | 230 | 22-171 | 3 | 25 | M1 |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0262* | | | mg/kg dry | | | | | *87* | *88* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0262* | | | mg/kg dry | | | | | *67* | *71* | *10-149* | | | |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0230-02** | | | | | | | | | | | | | | |
| Benzene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2750 | 832 | 69 | 21 | 79-120 | 107 | 25 | M |
| Bromodichloromethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2450 | 660 | 61 | 16 | 76-121 | 115 | 25 | M |
| (Dichlorobromomethane) | | | | | | | | | | | | | | |
| Bromoform | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2510 | 1240 | 63 | 31 | 69-120 | 68 | 25 | M |
| Bromomethane (Methyl bromide) | 10K0401 | <1000 | 4000 | ug/L | N/A | 1000 | 1530 | 788 | 38 | 20 | 64-120 | 64 | 25 | M |
| Carbon tetrachloride | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2470 | 676 | 62 | 17 | 70-129 | 114 | 25 | M |
| Chlorobenzene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2750 | 830 | 69 | 21 | 78-120 | 107 | 25 | M |
| Chloroethane | 10K0401 | <1000 | 4000 | ug/L | N/A | 1000 | 2190 | 750 | 55 | 19 | 67-120 | 98 | 25 | M |
| Chloroform | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2490 | 734 | 62 | 18 | 77-120 | 109 | 25 | M |
| Chloromethane (Methyl chloride) | 10K0401 | <1000 | 4000 | ug/L | N/A | 1000 | 2100 | 742 | 53 | 19 | 58-120 | 96 | 25 | M |
| Dibromochloromethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2640 | 720 | 66 | 18 | 76-123 | 114 | 25 | M |
| (Chlorodibromomethane) | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2820 | 866 | 70 | 22 | 78-123 | 106 | 25 | M |
| 1,4-Dichlorobenzene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2730 | 842 | 68 | 21 | 74-120 | 106 | 25 | M |
| 1,3-Dichlorobenzene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2760 | 816 | 69 | 20 | 76-121 | 109 | 25 | M |
| 1,1-Dichloroethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2480 | 714 | 62 | 18 | 79-120 | 111 | 25 | M |
| 1,2-Dichloroethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2640 | 776 | 66 | 19 | 75-120 | 109 | 25 | M |
| trans-1,2-Dichloroethene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2460 | 712 | 62 | 18 | 79-120 | 110 | 25 | M |
| 1,1-Dichloroethene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2300 | 672 | 58 | 17 | 71-121 | 110 | 25 | M |
| 1,2-Dichloropropane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2700 | 768 | 68 | 19 | 80-120 | 111 | 25 | M |
| cis-1,3-Dichloropropene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2640 | 716 | 66 | 18 | 80-120 | 115 | 25 | M |
| trans-1,3-Dichloropropene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2860 | 770 | 72 | 19 | 74-120 | 115 | 25 | M |
| Ethylbenzene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2770 | 794 | 69 | 20 | 79-120 | 111 | 25 | M |
| n-Hexane | 10K0401 | <1000 | 4000 | ug/L | N/A | 1000 | 2420 | 810 | 60 | 20 | 57-180 | 100 | 25 | M |
| Methylene chloride | 10K0401 | <1000 | 4000 | ug/L | N/A | 1000 | 2320 | 762 | 58 | 19 | 76-120 | 101 | 25 | M |
| 1,1,2,2-Tetrachloroethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 3000 | 938 | 75 | 23 | 74-120 | 105 | 25 | M |
| Tetrachloroethene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2780 | 878 | 69 | 22 | 62-128 | 104 | 25 | M |
| Toluene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2730 | 812 | 68 | 20 | 79-120 | 108 | 25 | M |
| 1,1,1-Trichloroethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2690 | 732 | 67 | 18 | 74-121 | 114 | 25 | M |
| 1,1,2-Trichloroethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 3050 | 908 | 76 | 23 | 75-120 | 108 | 25 | M |
| Trichloroethene | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2720 | 792 | 68 | 20 | 77-120 | 110 | 25 | M |
| Trichlorofluoromethane | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2230 | 716 | 56 | 18 | 71-136 | 103 | 25 | M |
| Vinyl chloride | 10K0401 | <200 | 4000 | ug/L | N/A | 200 | 2140 | 712 | 53 | 18 | 65-126 | 100 | 25 | M |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0401* | | | ug/L | | | | | *96* | *93* | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0401* | | | ug/L | | | | | *93* | *91* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0401* | | | ug/L | | | | | *102* | *102* | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0401* | | | ug/L | | | | | *100* | *98* | *80-120* | | | |

weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0256
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/05/10
Reported: 11/10/10 16:32

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0256-03** | | | | | | | | | | | | | | |
| Benzene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.633 | 0.324 | 75 | 41 | 73-120 | 65 | 30 | M |
| Bromodichloromethane (Dichlorobromomethane) | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.447 | 0.215 | 53 | 27 | 72-120 | 70 | 30 | M |
| Bromoform | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.489 | 0.298 | 58 | 38 | 61-120 | 48 | 30 | M |
| Bromomethane (Methyl bromide) | 10K0440 | <0.4397204 | | mg/kg dry | N/A | 0.421 | <0.421 | <0.421 | | | 52-123 | | 30 | |
| Carbon tetrachloride | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.523 | 0.242 | 62 | 31 | 64-122 | 74 | 30 | M |
| Chlorobenzene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.593 | 0.311 | 70 | 40 | 67-121 | 62 | 30 | M |
| Chloroethane | 10K0440 | <0.4397204 | | mg/kg dry | N/A | 0.421 | <0.421 | <0.421 | | | 53-129 | | 30 | |
| Chloroform | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.528 | 0.273 | 63 | 35 | 68-122 | 64 | 30 | M |
| Chloromethane (Methyl chloride) | 10K0440 | <0.4397204 | | mg/kg dry | N/A | 0.421 | <0.421 | <0.421 | | | 40-139 | | 30 | |
| Dibromochloromethane (Chlorodibromomethane) | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.442 | 0.204 | 52 | 26 | 54-152 | 74 | 30 | M |
| 1,2-Dichlorobenzene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.574 | 0.307 | 68 | 39 | 74-120 | 60 | 30 | M |
| 1,4-Dichlorobenzene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.584 | 0.317 | 69 | 40 | 71-120 | 59 | 30 | M |
| 1,3-Dichlorobenzene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.582 | 0.316 | 69 | 40 | 72-120 | 59 | 30 | M |
| 1,1-Dichloroethane | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.546 | 0.282 | 65 | 36 | 63-125 | 64 | 30 | M |
| 1,2-Dichloroethane | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.530 | 0.272 | 63 | 35 | 70-120 | 64 | 30 | M |
| 1,2-Dichloroethene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.550 | 0.286 | 65 | 36 | 70-120 | 63 | 30 | M |
| chloroethene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.544 | 0.283 | 65 | 36 | 57-130 | 63 | 30 | M |
| 1,2-Dichloropropane | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.575 | 0.292 | 68 | 37 | 68-120 | 65 | 30 | M |
| cis-1,3-Dichloropropene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.480 | 0.235 | 57 | 30 | 70-121 | 68 | 30 | M |
| trans-1,3-Dichloropropene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.512 | 0.251 | 61 | 32 | 64-120 | 68 | 30 | M |
| Ethylbenzene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.608 | 0.325 | 72 | 41 | 69-123 | 61 | 30 | M |
| Methylene chloride | 10K0440 | <0.4397204 | 0.843 | mg/kg dry | N/A | 0.421 | 0.497 | 0.204 | 59 | 26 | 46-124 | 84 | 30 | M |
| 1,1,2,2-Tetrachloroethane | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.613 | 0.323 | 73 | 41 | 69-120 | 62 | 30 | M |
| Tetrachloroethene | 10K0440 | 1.26 | 0.843 | mg/kg dry | N/A | 0.211 | 1.96 | 1.76 | 83 | 64 | 58-133 | 11 | 30 | |
| Toluene | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.594 | 0.312 | 70 | 40 | 63-126 | 62 | 30 | M |
| 1,1,1-Trichloroethane | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.566 | 0.273 | 67 | 35 | 63-125 | 70 | 30 | M |
| 1,1,2-Trichloroethane | 10K0440 | <0.2198602 | 0.843 | mg/kg dry | N/A | 0.211 | 0.566 | 0.311 | 67 | 40 | 71-120 | 58 | 30 | M |
| Trichloroethene | 10K0440 | 0.120 | 0.843 | mg/kg dry | N/A | 0.211 | 0.738 | 0.497 | 73 | 48 | 71-120 | 39 | 30 | M |
| Trichlorofluoromethane | 10K0440 | <0.2198602 | | mg/kg dry | N/A | 0.211 | <0.211 | <0.211 | | | 60-128 | | 30 | |
| Vinyl chloride | 10K0440 | 8.794408E-0 | | mg/kg dry | N/A | 0.0843 | <0.0843 | <0.0843 | | | 40-140 | | 30 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10K0440* | | | mg/kg dry | | | | | *89* | *88* | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10K0440* | | | mg/kg dry | | | | | *86* | *85* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10K0440* | | | mg/kg dry | | | | | *99* | *99* | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0440* | | | mg/kg dry | | | | | *99* | *100* | *80-120* | | | |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0256-03** | | | | | | | | | | | | | | |
| DRO (C10-C20) | 10K0256 | 7.60 | 145 | mg/kg dry | N/A | 32.7 | 88.9 | 93.7 | 56 | 59 | 17-130 | 5 | 25 | |
| DRO (C20-C34) | 10K0256 | 122 | 145 | mg/kg dry | N/A | 32.7 | 165 | 176 | 29 | 36 | 13-140 | 6 | 25 | |
| *Surrogate: o-Terphenyl* | *10K0256* | | | mg/kg dry | | | | | *48* | *56* | *44-143* | | | |
| **QC Source Sample: DTK0256-03** | | | | | | | | | | | | | | |
| GRO (C6-C12) | 10K0372 | 22.4 | 89.6 | mg/kg dry | N/A | 127 | 88.8 | 91.3 | 74 | 75 | 54-139 | 3 | 25 | |
| *Surrogate: a,a,a-Trifluorotoluene* | *10K0372* | | | mg/kg dry | | | | | *102* | *103* | *76-137* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10K0372* | | | mg/kg dry | | | | | *88* | *89* | *59-151* | | | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0256 | Received: | 11/05/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 11/10/10 16:32 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **L1** | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits. |
| **M** | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |
| **M1** | The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS). |
| **P6** | Sample received unpreserved, however the sample was analyzed within 7 days per EPA recommendation. |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

DTK0256

# Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: 4738 Gateway Circle, Dayton OH 45440
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OHIO VAP, BUSTR

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solutions | Client Project Manager: Laura Funk | Site Contact: Rondy Mileur | Lab Contact: Shelly Howard | COC No: |
| Address: 711 East Monument Ave Ste 201 | Telephone: (937)-531-4402 | Telephone: | Telephone: 937-294-6856 | 1 of 2 COCs |
| City/State/Zip: Dayton, OH 45402 | Email: Laura.Funk@weston solutions.com | Analysis Turnaround Time (in BUS days) | | For lab use only |
| Phone: 973-531-4402 | | TAT if different from below 3 day | | Walk-in client: ☐ |
| Project Name: Tech Town | Method of Shipment/Carrier: Weston ~~Test America Courier~~ | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Lab pickup: ☐ |
| Project Number: 12473.005.007 | Shipping/Tracking No: | | | Lab sampling: ☐ |
| PO# | | | | Job/SDG No: |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: Soil | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: CH3OH | Filtered Sample (Y/N) | Composite/Grab | Analyses: SVOC 8270 | TPH 8015 MOD DRO GRO | PCB 8082 | VOC 5035/8260 | PAH | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-11410-UST-Bottom-1 | 11/4/10 | 1510 | | | | | X | | | | | | 4 | 1 ~~5~~ | | G | X | X | X | X | | 2 |
| TT-11410-UST-SW-1 | 11/4/10 | 1528 | | | | | X | | | | | | 4 | 1 ~~5~~ | | G | X | X | X | X | | 2 |
| TT-11410-UST-EW-1 | 11/4/10 | 1540 | | | | | X | | | | | | 12 | ~~3~~ | | G | X | X | X | X | | MS/MSD ⑥ |
| TT-11410-UST-NW-1 | 11/4/10 | 1555 | | | | | X | | | | | | 4 | 1 ~~5~~ | | G | X | X | X | X | | |
| TT-11410-UST-NW-2 | 11/4/10 | 1555 | | | | | X | | | | | | 4 | 1 ~~5~~ | | G | X | X | X | X | | ④ |
| TT-11410-UST-WW-1 | 11/4/10 | 1610 | | | | | X | | | | | | 4 | 1 ~~5~~ | | G | X | X | X | X | | 2 |
| TT-110410-UST-SP1 | 11/4/10 | 1620 | | | | | X | | | | | | 3 | ~~X~~ | | G | | X | | X | X | 3 |
| TT-110410-UST-SP2 | 11/4/10 | 1625 | | | | | X | | | | | | 3 | ~~X~~ | | G | | X | | X | X | 3 |
| TT-110410-UST-SP3 | 11/4/10 | 1630 | | | | | X | | | | | | 3 | ~~X~~ | | G | | X | | X | X | 3 |
| TRIP Blank | | | | | | | | | | | | | 2 | ~~X~~ | | | | | | | | |

Possible Hazard Identification: ☐ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Rondy Mileur | Weston Solutions | 11/5/10/1045 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: TA | Date/Time: 11/5/10 1045 |

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~~DTK0262~~ myk

# Chain of Cus Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: 4738 Gateway Circle, Dayton OH 45440

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OHIO VAP, BUSTR

TestAmerica Laboratories, Inc.

| Client Contact | | | |
|---|---|---|---|
| Company Name: Weston Solutions | Client Project Manager: Laura Funk | Site Contact: Randy Mileur | Lab Contact: Shelly Howard |
| Address: 111 E. Monument Ave, Ste 201 | Telephone: 937-531-4402 | Telephone: | Telephone: 937-294-6856 |
| City/State/Zip: Dayton, OH 45402 | Email: Laura.Funk@westonsolutions.com | Analysis Turnaround Time (In BUS days) | COC No: 2 of 2 COCs |
| Phone: 937-531-4402 | | TAT if different from below 3 day | |
| Project Name: 12473.005.007 | Method of Shipment/Carrier: Weston will deliver | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | For lab use only: Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ |
| Project Number: Tech Town | Shipping/Tracking No: | | Job/SDG No: |
| PO# | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: $H_2SO_4$ | $HNO_3$ | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite C / Grab G | Analyses: PCB 8082 | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-11410-UST-SW-BOC | 11/4/10 | 1530 | | | | X | | | | | | | X1 | | | G | X | |

**Possible Hazard Identification**
☐ 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:**

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Randy Mileur | Weston Solutions | 11/5/10 1045 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: TA | Date/Time: 11/5/10 1045 |

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Weston Solution
☐ Short Hold Work Order # DTK0256
☒ Rush ☐ 24hr ☐ 2day ☒ 3day ☐ 5day ☐ other
Receipt evaluation performed by - Initials: JM Date: 11/5/10 Time: 10:10

**Method of Shipment:**
☑ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier_____
☐ Fed Ex Tracking # _____
☐ UPS Tracking # _____
☐ Other _____

**Shipping Container Type:**
☑ Cooler ☐ Box
☐ None ☐ Other_____
**Packing Materials:**
☑ Plastic Bags ☐ Foam
☑ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other_____

**Custody Seals Intact:**
☑ Yes ☐ No
☐ N/A (not used or required)
**Cooling Materials:**
☐ Ice (solid) ☐ Ice (Melted)
☐ Blue Ice ☐ None
☐ Other_____

**Are there any soil samples from areas requiring USDA quarantine?** *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☑ No ☐ Yes (If Yes, *Project Manager must be notified).*

**Receipt Temperatures** ☐ Check If Additional Sheets Required

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples If temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 3.0 | 2.9 | ☐ | ☑ | ☑Yes ☐No | ☑Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, **but not frozen.** For additional information, please refer to SOP DT-SCA-004 ***Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.***

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | X | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | X | | | |
| Appropriate containers used & adequate volume provided? | X | | | |
| Number of sample containers match COC? | X | | | |
| Samples received within hold time? | X | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | X | | | |
| Was a Trip Blank received with VOA samples? | X | | | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | X | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | X | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
**Contact via:** ☐ Phone ☐ Email ☐ Other_____ **Person Contacted:** _____ **Date/Time:** _____
☐ Discrepancy allowance agreement is on record in the client project file.
**Discussion/Resolution:**

***Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.***

JM 11/5/10
Reviewed by PM Signature Date



WI No. DT-SCA-WI-001.9
effective 10/18/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

November 12, 2010

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DTK0478
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 11/10/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-111010-UST-CB | DTK0478-01 | 11/10/10 11:48 |
| TT-111010-UST-CWW | DTK0478-02 | 11/10/10 12:26 |

**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

*Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.*

*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0478
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/12/10 16:42

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTK0478-01 (TT-111010-UST-CB - Non-aqueous)** | | | | | **Sampled: 11/10/10 11:48** | | | **Recvd: 11/10/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **90.6** | | % | 0.100 | 1 | 11/11/10 11:47 | jlb | 10K0496 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.447 | | mg/kg dry | 0.447 | 1 | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| PCB-1221 | <0.447 | | mg/kg dry | 0.447 | 1 | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| PCB-1232 | <0.447 | | mg/kg dry | 0.447 | 1 | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| PCB-1242 | <0.447 | | mg/kg dry | 0.447 | 1 | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| PCB-1248 | <0.447 | | mg/kg dry | 0.447 | 1 | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| PCB-1254 | <0.447 | | mg/kg dry | 0.447 | 1 | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| PCB-1260 | <0.447 | | mg/kg dry | 0.447 | 1 | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *78 %* | | | | | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *77 %* | | | | | 11/12/10 13:05 | jbp | 10K0482 | SW 8082 |
| **Sample ID: DTK0478-02 (TT-111010-UST-CWW - Non-aqueous)** | | | | | **Sampled: 11/10/10 12:26** | | | **Recvd: 11/10/10 16:53** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **90.7** | | % | 0.100 | 1 | 11/11/10 11:47 | jlb | 10K0496 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| '016 | <0.459 | | mg/kg dry | 0.459 | 1 | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| 1221 | <0.459 | | mg/kg dry | 0.459 | 1 | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| PCB-1232 | <0.459 | | mg/kg dry | 0.459 | 1 | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| PCB-1242 | <0.459 | | mg/kg dry | 0.459 | 1 | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| PCB-1248 | <0.459 | | mg/kg dry | 0.459 | 1 | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| **PCB-1254** | **4.58** | | mg/kg dry | 0.459 | 1 | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| PCB-1260 | <0.459 | | mg/kg dry | 0.459 | 1 | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *76 %* | | | | | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *72 %* | | | | | 11/12/10 13:25 | jbp | 10K0482 | SW 8082 |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0478 | Received: 11/10/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/12/10 16:42 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0482 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 10K0482 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0482* | | | mg/kg wet | | | | | *77* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0482* | | | mg/kg wet | | | | | *101* | | *10-149* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0478
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/12/10 16:42

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTK0478-01** | | | | | | | | | | | | | |
| Dry Weight | 10K0496 | 90.6 | | % | N/A | 0.100 | 90.3 | | | | 0 | 20 | |

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| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0478 | Received: 11/10/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 11/12/10 16:42 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0482 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.410 | | 82 | | 35-154 | | | |
| PCB-1260 | 10K0482 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.405 | | 81 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0482* | | | mg/kg wet | | | | | *77* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0482* | | | mg/kg wet | | | | | *78* | | *10-149* | | | |

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..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DTK0478
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 11/10/10
Reported: 11/12/10 16:42

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DTK0478-01** | | | | | | | | | | | | | | |
| PCB-1016 | 10K0482 | <0.4469726 | 2.48 | mg/kg dry | N/A | 0.495 | 2.13 | 2.04 | 86 | 82 | 35-154 | 4 | 25 | |
| PCB-1260 | 10K0482 | <0.4469726 | 2.48 | mg/kg dry | N/A | 0.495 | 2.20 | 2.13 | 89 | 86 | 22-171 | 3 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *10K0482* | | | mg/kg dry | | | | | *78* | *74* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *10K0482* | | | mg/kg dry | | | | | *79* | *73* | *10-149* | | | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DTK0478 | Received: | 11/10/10 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 11/12/10 16:42 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

# Chain of Custody Record

DTK0478

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: 4738 Gateway Circle, Dayton OH 45440
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OHIO-VAP

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solution | Client Project Manager: Laura Funk | Site Contact: Randy Mileur | Lab Contact: Shelly Howard | COC No: |
| Address: 711 East Monument Ave Ste 201 | Telephone: 937-531-4402 | Telephone: 907-230-8612 | Telephone: 937-294-6856 | 1 of 1 COCs |
| City/State/Zip: Dayton, OH 45402 | Email: Laura.Funk@westonsolutions.com | Analysis Turnaround Time (In BUS days) | | For lab use only |
| Phone: 937-531-4402 | | TAT if different from below 3 day | | Walk-in client ☐ |
| Project Name: Tech Town | Method of Shipment/Carrier: | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☒ 2 days ☐ 1 day | | Lab pickup ☐ |
| Project Number: 12473.005.007 | Shipping/Tracking No: | | | Lab sampling ☐ |
| PO# | | | | Job/SDG/No: |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: Soil | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAcNaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C, Grab=G | Analyses: PCB 8082 | TAL Metals | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-111010-UST-CB | 11/10/10 | 11:48 | | | | X | | | | | | | 1 | | | | X | | Concrete 2 Day Turn around |
| TT-111010-UST-CWW | 11/10/10 | 12:26 | | | | X | | | | | | | 1 | | | | X | | Concrete 2 Day Turn Around |
| TT-111010-UST-QC | 11/10/10 | 12:32 | | X | | | | | | | | | 1 | | | | X | | QC Sample STD. |
| TT-111010-HS-WW | 11/10/10 | 14:43 | | | | | X | | | | | | 2 | | | | X | X | 3 Day Turn |
| TT-111010-HS-NW | 11/10/10 | 14:55 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111010-HS-EW | 11/10/10 | 15:03 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111010-HS-SW | 11/10/10 | 15:11 | | | | | X | | | | | | 2 | | | | X | X | |
| TT-111010-HS-Bot. | 11/10/10 | 15:22 | | | | | X | | | | | | 2 | | | | X | X | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Possible Hazard Identification: ☐ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Randy Mileur | Weston Solutions | 11/10/10 16:53 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: TA | Date/Time: 11-10-10 16:53 |

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THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID: Weston
☐ Short Hold Work Order #: DTK0478
☑ Rush ☐24hr ☑2day ☐3day ☐5day ☐other
Receipt evaluation performed by - Initials: MM Date: 11-10-10 Time:

**Method of Shipment:**
☑ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☑ Cooler ☐ Box
☐ None ☐ Other
**Packing Materials:**
☑ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☑ N/A (not used or required)
**Cooling Materials:**
☑ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

**Are there any soil samples from areas requiring USDA quarantine?** *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☑ No ☐ Yes (If Yes, *Project Manager must be notified*).

**Receipt Temperatures** ☐ Check if Additional Sheets Required

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| C | 5.6 | 4.6 | ☐ | ☐ | ☑Yes ☐No | ☑Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

Reviewed by PM Signature 11/11/10 Date

# Effluent Water Analysis

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4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

December 17, 2010

Client:

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018

Attn: John Hlavacek

Work Order: DTL0545
Project Name: Dayton Tech Town
Project Number: Dayton Tech Town

Date Received: 12/10/10

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| Banker Tank | DTL0545-01 | 12/10/10 15:42 |

Ohio Certification Number: 4074, 857

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*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ...emedial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | Received: 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0545-01 (Banker Tank - Water - NonPotable)** | | | | | **Sampled: 12/10/10 15:42** | | | **Recvd: 12/10/10 16:37** | |
| General Chemistry Parameters | | | | | | | | | |
| Cyanide, Total | <0.00500 | | mg/L | 0.00500 | 1 | 12/14/10 15:40 | KKH | 10L0497 | SW 9012 Mod. |
| Sulfide | <0.100 | | mg/L | 0.100 | 1 | 12/14/10 14:25 | AKM | 10L0572 | EPA 376.2/SM 4500S-D |
| BOD - 5 Day | <4.00 | | mg/L | 4.00 | 1 | 12/11/10 17:50 | ARG | 10L0470 | EPA 405.1/SM18 5210B |
| Total Metals | | | | | | | | | |
| Arsenic | <0.500 | RL3 | mg/L | 0.500 | 5 | 12/16/10 20:29 | MJW | 10L0597 | SW 6010B |
| **Barium** | **0.116** | | mg/L | 0.100 | 5 | 12/16/10 20:29 | MJW | 10L0597 | SW 6010B |
| Cadmium | <0.150 | RL3 | mg/L | 0.150 | 5 | 12/16/10 20:29 | MJW | 10L0597 | SW 6010B |
| Chromium | <0.200 | RL3 | mg/L | 0.200 | 5 | 12/16/10 20:29 | MJW | 10L0597 | SW 6010B |
| Lead | <0.400 | RL3 | mg/L | 0.400 | 5 | 12/16/10 20:29 | MJW | 10L0597 | SW 6010B |
| Mercury | <0.000200 | | mg/L | 0.000200 | 1 | 12/15/10 14:09 | CAJ | 10L0503 | SW 7470A |
| Selenium | <0.500 | RL3 | mg/L | 0.500 | 5 | 12/16/10 20:29 | MJW | 10L0597 | SW 6010B |
| Silver | <0.200 | RL3 | mg/L | 0.200 | 5 | 12/16/10 20:29 | MJW | 10L0597 | SW 6010B |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| ...1016 | <0.200 | L4 | ug/L | 0.200 | 1 | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| ...221 | <0.200 | | ug/L | 0.200 | 1 | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| PCB-1232 | <0.200 | | ug/L | 0.200 | 1 | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| PCB-1242 | <0.200 | | ug/L | 0.200 | 1 | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| PCB-1248 | <0.200 | | ug/L | 0.200 | 1 | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| PCB-1254 | <0.200 | | ug/L | 0.200 | 1 | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| PCB-1260 | <0.200 | L4 | ug/L | 0.200 | 1 | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-166%)* | *22 %* | | | | | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-157%)* | *22 %* | | | | | 12/15/10 07:36 | JBP | 10L0519 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <20.0 | | ug/L | 20.0 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Benzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Bromobenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Bromochloromethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Bromoform | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Bromomethane (Methyl bromide) | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | ug/L | 12.5 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| tert-Butylbenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| sec-Butylbenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| n-Butylbenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Carbon disulfide | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Carbon tetrachloride | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Chlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Chloroethane | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Chloroform | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| C... methane (Methyl chloride) | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 12/10/10
Reported: 12/17/10 12:14

## ANALYTICAL REPORT

**Sample ID: DTL0545-01 (Banker Tank - Water - NonPotable) - cont.** **Sampled: 12/10/10 15:42** **Recvd: 12/10/10 16:37**

Volatile Organic Compounds by GC/MS - cont.

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 2-Chlorotoluene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Dibromomethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,2-Dichlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,4-Dichlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,3-Dichlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Dichlorodifluoromethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,1-Dichloroethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,2-Dichloroethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| cis-1,2-Dichloroethene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| trans-1,2-Dichloroethene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,1-Dichloroethene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,3-Dichloropropane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 2,2-Dichloropropane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,2-Dichloropropane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260I |
| 1,1-Dichloropropene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| cis-1,3-Dichloropropene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| trans-1,3-Dichloropropene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Ethylbenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Hexachlorobutadiene | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| n-Hexane | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 2-Hexanone | <10.0 | | ug/L | 10.0 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Isopropylbenzene (Cumene) | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| p-Isopropyltoluene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Methyl tert-butyl ether | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Methylene chloride | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 12.5 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| n-Propylbenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Styrene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Tetrachloroethene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Toluene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,2,4-Trichlorobenzene | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,1,1-Trichloroethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,1,2-Trichloroethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Trichloroethene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Trichlorofluoromethane | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,2,4-Trimethylbenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| 1,3,5-Trimethylbenzene | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Vinyl Acetate | <5.00 | | ug/L | 5.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260T |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| ...medial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | Received: 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0545-01 (Banker Tank - Water - NonPotable) - cont.** | | | | | **Sampled: 12/10/10 15:42** | | | **Recvd: 12/10/10 16:37** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| Vinyl chloride | <1.00 | | ug/L | 1.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Xylenes, Total | <2.00 | | ug/L | 2.00 | 1 | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *94 %* | | | | | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *92 %* | | | | | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *100 %* | | | | | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| *Surr: 4-Bromofluorobenzene (80-120%)* | *101 %* | | | | | 12/15/10 16:25 | eap | 10L0685 | SW 8260B |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Acenaphthene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Acenaphthylene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Anthracene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Benzo (a) anthracene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Benzo (b) fluoranthene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Benzo (g,h,i) perylene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Benzo (k) fluoranthene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Benzo (a) pyrene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| ...ic acid | <50.0 | | ug/L | 50.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| ...alcohol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Bis(2-chloroethoxy)methane | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Bis(2-chloroethyl)ether | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <5.00 | | ug/L | 5.00 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 4-Bromophenyl phenyl ether | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Butyl benzyl phthalate | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 4-Chloroaniline | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 4-Chloro-3-methylphenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2-Chloronaphthalene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2-Chlorophenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Chrysene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Dibenzofuran | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 1,2-Dichlorobenzene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 1,3-Dichlorobenzene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 1,4-Dichlorobenzene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Dibenz (a,h) anthracene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2,4-Dichlorophenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Diethyl phthalate | <10.0 | | ug/L | 10.0 | 1 | 12/15/10 14:05 | clh | 10L0481 | SW 8270C |
| 2,4-Dimethylphenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Dimethyl phthalate | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <20.0 | | ug/L | 20.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2,4-Dinitrotoluene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2,6-Dinitrotoluene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Di-n-octyl phthalate | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Fluoranthene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| e | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | | | |
|---|---|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | | Received: | 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | | Reported: | 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | | |
| John Hlavacek | | | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DTL0545-01 (Banker Tank - Water - NonPotable) - cont.** | | | | | **Sampled:** | **12/10/10 15:42** | | **Recvd: 12/10/10 16:37** | |
| Semivolatile Organics by GC/MS - cont. | | | | | | | | | |
| Hexachlorobenzene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Hexachlorocyclopentadiene | <20.0 | | ug/L | 20.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Hexachloroethane | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2-Methylnaphthalene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Isophorone | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Naphthalene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Nitrobenzene | <5.00 | | ug/L | 5.00 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2-Nitrophenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| N-Nitrosodi-n-propylamine | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Pentachlorophenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Phenanthrene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Phenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Pyrene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 1,2,4-Trichlorobenzene | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2,4,5-Trichlorophenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| 2,4,6-Trichlorophenol | <10.0 | | ug/L | 10.0 | 1 | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| *Surr: 2-Fluorophenol (21-145%)* | *92 %* | | | | | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| *Surr: Phenol-d6 (10-149%)* | *108 %* | | | | | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| *Surr: Nitrobenzene-d5 (35-124%)* | *101 %* | | | | | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (43-134%)* | *95 %* | | | | | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (21-146%)* | *104 %* | | | | | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| *Surr: Terphenyl-d14 (34-149%)* | *103 %* | | | | | 12/14/10 19:34 | clh | 10L0481 | SW 8270C |
| Total Petroleum Hydrocarbons | | | | | | | | | |
| GRO (C6-C12) | <1.00 | | mg/L | 1.00 | 1 | 12/16/10 15:01 | TNF | 10L0712 | SW 8015B |
| DRO (C10-C20) | <1.00 | | mg/L | 1.00 | 1 | 12/15/10 17:20 | jdm | 10L0505 | SW 8015B |
| DRO (C20-C34) | <1.00 | | mg/L | 1.00 | 1 | 12/15/10 17:20 | jdm | 10L0505 | SW 8015B |
| *Surr: o-Terphenyl (35-115%)* | *112 %* | | | | | 12/15/10 17:20 | jdm | 10L0505 | SW 8015B |
| *Surr: a,a,a-Trifluorotoluene (66-138%)* | *112 %* | | | | | 12/16/10 15:01 | TNF | 10L0712 | SW 8015B |
| *Surr: 4-Bromofluorobenzene (44-184%)* | *109 %* | | | | | 12/16/10 15:01 | TNF | 10L0712 | SW 8015B |

...emedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 12/10/10
Reported: 12/17/10 12:14

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | | |
| BOD - 5 Day | 10L0470 | | | mg/L | N/A | 2.00 | <2.00 | | | | | | | |
| Cyanide, Total | 10L0497 | | | mg/L | N/A | 0.00500 | <0.00500 | | | | | | | |
| Sulfide | 10L0572 | | | mg/L | N/A | 0.100 | <0.100 | | | | | | | |
| **Total Metals** | | | | | | | | | | | | | | |
| Mercury | 10L0503 | | | mg/L | N/A | 0.000200 | <0.000200 | | | | | | | B7 |
| Arsenic | 10L0597 | | | mg/L | N/A | 0.100 | <0.100 | | | | | | | |
| Barium | 10L0597 | | | mg/L | N/A | 0.0200 | <0.0200 | | | | | | | |
| Cadmium | 10L0597 | | | mg/L | N/A | 0.0300 | <0.0300 | | | | | | | |
| Chromium | 10L0597 | | | mg/L | N/A | 0.0400 | <0.0400 | | | | | | | |
| Lead | 10L0597 | | | mg/L | N/A | 0.0800 | <0.0800 | | | | | | | |
| Selenium | 10L0597 | | | mg/L | N/A | 0.100 | <0.100 | | | | | | | |
| Silver | 10L0597 | | | mg/L | N/A | 0.0400 | <0.0400 | | | | | | | |
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0519 | | | ug/L | N/A | 0.200 | <0.200 | | | | | | | |
| PCB-1260 | 10L0519 | | | ug/L | N/A | 0.200 | <0.200 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0519* | | | ug/L | | | | | *33* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *10L0519* | | | ug/L | | | | | *34* | | *10-157* | | | |
| **...ile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| ...ene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromodichloromethane (Dichlorobromomethane) | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromoform | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromomethane (Methyl bromide) | 10L0685 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Carbon tetrachloride | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chlorobenzene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chloroethane | 10L0685 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Chloroform | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chloromethane (Methyl chloride) | 10L0685 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Dibromochloromethane (Chlorodibromomethane) | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichlorobenzene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,4-Dichlorobenzene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,3-Dichlorobenzene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1-Dichloroethane | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichloroethane | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| trans-1,2-Dichloroethene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1-Dichloroethene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichloropropane | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| cis-1,3-Dichloropropene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| trans-1,3-Dichloropropene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Ethylbenzene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| n-Hexane | 10L0685 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Methylene chloride | 10L0685 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Tetrachloroethene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 12/10/10
Reported: 12/17/10 12:14

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Toluene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1,1-Trichloroethane | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1,2-Trichloroethane | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Trichloroethene | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Trichlorofluoromethane | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Vinyl chloride | 10L0685 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10L0685* | | | ug/L | | | | | *97* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10L0685* | | | ug/L | | | | | *94* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10L0685* | | | ug/L | | | | | *99* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10L0685* | | | ug/L | | | | | *99* | | *80-120* | | | |
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Acenaphthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Acenaphthylene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Anthracene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (a) anthracene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (b) fluoranthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (g,h,i) perylene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (k) fluoranthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (a) pyrene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzoic acid | 10L0481 | | | ug/L | N/A | 50.0 | <50.0 | | | | | | | |
| Benzyl alcohol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroethoxy)methane | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroethyl)ether | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroisopropyl) ether | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 10L0481 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 4-Bromophenyl phenyl ether | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Butyl benzyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4-Chloroaniline | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4-Chloro-3-methylphenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Chloronaphthalene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Chlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Chrysene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Dibenzofuran | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,2-Dichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,3-Dichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,4-Dichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Dibenz (a,h) anthracene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4-Dichlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Diethyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4-Dimethylphenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Dimethyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 10L0481 | | | ug/L | N/A | 20.0 | <20.0 | | | | | | | |
| 2,4-Dinitrotoluene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,6-Dinitrotoluene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |

...emedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
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Received: 12/10/10
Reported: 12/17/10 12:14

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Fluoranthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Fluorene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Hexachlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Hexachlorocyclopentadiene | 10L0481 | | | ug/L | N/A | 20.0 | <20.0 | | | | | | | |
| Hexachloroethane | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Indeno (1,2,3-cd) pyrene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Methylnaphthalene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Isophorone | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Methylphenol (o-Cresol) | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Naphthalene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Nitrobenzene | 10L0481 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 2-Nitrophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| N-Nitrosodi-n-propylamine | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Pentachlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Phenanthrene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Phenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| : | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| -, ,-Trichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4,5-Trichlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4,6-Trichlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *10L0481* | | | ug/L | | | | | *87* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10L0481* | | | ug/L | | | | | *68* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10L0481* | | | ug/L | | | | | *100* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10L0481* | | | ug/L | | | | | *93* | | *43-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10L0481* | | | ug/L | | | | | *104* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *10L0481* | | | ug/L | | | | | *105* | | *34-149* | | | |
| Acenaphthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Acenaphthylene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Anthracene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (a) anthracene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (b) fluoranthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (g,h,i) perylene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (k) fluoranthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzo (a) pyrene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Benzoic acid | 10L0481 | | | ug/L | N/A | 50.0 | <50.0 | | | | | | | |
| Benzyl alcohol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroethoxy)methane | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroethyl)ether | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroisopropyl) ether | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 10L0481 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 4-Bromophenyl phenyl ether | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Butyl benzyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 12/10/10
Reported: 12/17/10 12:14

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| 4-Chloroaniline | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4-Chloro-3-methylphenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Chloronaphthalene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Chlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Chrysene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Dibenzofuran | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,2-Dichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,3-Dichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,4-Dichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Dibenz (a,h) anthracene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4-Dichlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Diethyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4-Dimethylphenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Dimethyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 10L0481 | | | ug/L | N/A | 20.0 | <20.0 | | | | | | | |
| 2,4-Dinitrotoluene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,6-Dinitrotoluene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Di-n-octyl phthalate | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Fluoranthene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Fluorene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Hexachlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Hexachlorocyclopentadiene | 10L0481 | | | ug/L | N/A | 20.0 | <20.0 | | | | | | | |
| Hexachloroethane | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Indeno (1,2,3-cd) pyrene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Methylnaphthalene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Isophorone | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Methylphenol (o-Cresol) | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Naphthalene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Nitrobenzene | 10L0481 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 2-Nitrophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| N-Nitrosodi-n-propylamine | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Pentachlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Phenanthrene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Phenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Pyrene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,2,4-Trichlorobenzene | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4,5-Trichlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4,6-Trichlorophenol | 10L0481 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *10L0481* | | | ug/L | | | | | *6* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10L0481* | | | ug/L | | | | | *9* | | *10-149* | | | |
| *Surrogate: Nitrobenzene-d5* | *10L0481* | | | ug/L | | | | | *9* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10L0481* | | | ug/L | | | | | *10* | | *43-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10L0481* | | | ug/L | | | | | *9* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *10L0481* | | | ug/L | | | | | *10* | | *34-149* | | | |

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| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | Received: 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | | | | | |
| DRO (C10-C20) | 10L0505 | | | mg/L | N/A | 1.00 | <1.00 | | | | | | | |
| DRO (C20-C34) | 10L0505 | | | mg/L | N/A | 1.00 | <1.00 | | | | | | | |
| *Surrogate: o-Terphenyl* | *10L0505* | | | mg/L | | | | | *53* | | *35-115* | | | |
| GRO (C6-C12) | 10L0712 | | | mg/L | N/A | 1.00 | <1.00 | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *10L0712* | | | mg/L | | | | | *112* | | *66-138* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10L0712* | | | mg/L | | | | | *77* | | *44-184* | | | |

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339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | Received: 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DTL0562-02** | | | | | | | | | | | | | |
| BOD - 5 Day | 10L0470 | 8.00 | | mg/L | N/A | 4.00 | 9.00 | | | | 12 | 20 | |
| **QC Source Sample: DTL0562-03** | | | | | | | | | | | | | |
| BOD - 5 Day | 10L0470 | 0.00 | | mg/L | N/A | 4.00 | <4.00 | | | | | 20 | |
| **QC Source Sample: DTL0501-01** | | | | | | | | | | | | | |
| Cyanide, Total | 10L0497 | <0.005 | | mg/L | N/A | 0.00500 | <0.00500 | | | | | 25 | |
| **QC Source Sample: DTL0577-03** | | | | | | | | | | | | | |
| Sulfide | 10L0572 | 0.307 | | mg/L | N/A | 0.100 | 0.298 | | | | 3 | 200 | |

...omedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 12/10/10
Reported: 12/17/10 12:14

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | | |
| BOD - 5 Day | 10L0470 | | 198 | mg/L | N/A | 4.00 | 184 | | 93 | | 85-115 | | | |
| Cyanide, Total | 10L0497 | | 0.100 | mg/L | N/A | 0.00500 | 0.0996 | | 100 | | 80-113 | | | |
| Sulfide | 10L0572 | | 0.500 | mg/L | N/A | 0.100 | 0.487 | | 97 | | 90-110 | | | |
| **Total Metals** | | | | | | | | | | | | | | |
| Mercury | 10L0503 | | 0.00100 | mg/L | N/A | 0.000200 | 0.00107 | | 107 | | 80-120 | | | |
| Arsenic | 10L0597 | | 1.00 | mg/L | N/A | 0.100 | 0.964 | | 96 | | 80-120 | | | |
| Barium | 10L0597 | | 1.00 | mg/L | N/A | 0.0200 | 0.966 | | 97 | | 80-120 | | | |
| Cadmium | 10L0597 | | 1.00 | mg/L | N/A | 0.0300 | 0.973 | | 97 | | 80-120 | | | |
| Chromium | 10L0597 | | 1.00 | mg/L | N/A | 0.0400 | 0.945 | | 94 | | 80-120 | | | |
| Lead | 10L0597 | | 1.00 | mg/L | N/A | 0.0800 | 0.963 | | 96 | | 80-120 | | | |
| Selenium | 10L0597 | | 1.00 | mg/L | N/A | 0.100 | 0.956 | | 96 | | 80-120 | | | |
| Silver | 10L0597 | | 1.00 | mg/L | N/A | 0.0400 | 1.01 | | 101 | | 80-120 | | | |
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 10L0519 | | 1.00 | ug/L | N/A | 0.200 | <0.200 | | | | 16-202 | | | L4 |
| PCB-1260 | 10L0519 | | 1.00 | ug/L | N/A | 0.200 | <0.200 | | | | 22-210 | | | L4 |
| *Surrogate: Tetrachloro-meta-xylene* | *10L0519* | | | ug/L | | | | | | | *10-166* | | | Z6 |
| *Surrogate: Decachlorobiphenyl* | *10L0519* | | | ug/L | | | | | *13* | | *10-157* | | | |
| **...ile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| ...ene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.2 | | 96 | | 79-120 | | | |
| Bromodichloromethane (Dichlorobromomethane) | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 20.2 | | 101 | | 76-121 | | | |
| Bromoform | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 18.7 | | 94 | | 69-120 | | | |
| Bromomethane (Methyl bromide) | 10L0685 | | 20.0 | ug/L | N/A | 5.00 | 18.3 | | 92 | | 64-120 | | | |
| Carbon tetrachloride | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 18.5 | | 92 | | 70-129 | | | |
| Chlorobenzene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 20.0 | | 100 | | 78-120 | | | |
| Chloroethane | 10L0685 | | 20.0 | ug/L | N/A | 5.00 | 18.6 | | 93 | | 67-120 | | | |
| Chloroform | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.0 | | 95 | | 77-120 | | | |
| Chloromethane (Methyl chloride) | 10L0685 | | 20.0 | ug/L | N/A | 5.00 | 17.4 | | 87 | | 58-120 | | | |
| Dibromochloromethane (Chlorodibromomethane) | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.3 | | 96 | | 76-123 | | | |
| 1,2-Dichlorobenzene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 20.2 | | 101 | | 78-123 | | | |
| 1,4-Dichlorobenzene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 20.1 | | 101 | | 74-120 | | | |
| 1,3-Dichlorobenzene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 20.1 | | 100 | | 76-121 | | | |
| 1,1-Dichloroethane | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.1 | | 96 | | 79-120 | | | |
| 1,2-Dichloroethane | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.3 | | 96 | | 75-120 | | | |
| trans-1,2-Dichloroethene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 18.4 | | 92 | | 79-120 | | | |
| 1,1-Dichloroethene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 17.1 | | 85 | | 71-121 | | | |
| 1,2-Dichloropropane | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.4 | | 97 | | 80-120 | | | |
| cis-1,3-Dichloropropene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 21.1 | | 106 | | 80-120 | | | |
| trans-1,3-Dichloropropene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 21.0 | | 105 | | 74-120 | | | |
| Ethylbenzene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.8 | | 99 | | 79-120 | | | |
| n-Hexane | 10L0685 | | 20.0 | ug/L | N/A | 5.00 | 23.0 | | 115 | | 57-180 | | | |
| Methylene chloride | 10L0685 | | 20.0 | ug/L | N/A | 5.00 | 21.3 | | 106 | | 76-120 | | | |
| 1,1,2,2-Tetrachloroethane | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.8 | | 99 | | 74-120 | | | |
| Tetrachloroethene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 17.3 | | 87 | | 62-128 | | | |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 12/10/10
Reported: 12/17/10 12:14

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Toluene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.4 | | 97 | | 79-120 | | | |
| 1,1,1-Trichloroethane | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 18.9 | | 94 | | 74-121 | | | |
| 1,1,2-Trichloroethane | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 19.9 | | 100 | | 75-120 | | | |
| Trichloroethene | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 18.6 | | 93 | | 77-120 | | | |
| Trichlorofluoromethane | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 18.3 | | 91 | | 71-136 | | | |
| Vinyl chloride | 10L0685 | | 20.0 | ug/L | N/A | 1.00 | 17.4 | | 87 | | 65-126 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10L0685* | | | ug/L | | | | | *97* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *10L0685* | | | ug/L | | | | | *99* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *10L0685* | | | ug/L | | | | | *100* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10L0685* | | | ug/L | | | | | *100* | | *80-120* | | | |
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Acenaphthene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 49.0 | | 98 | | 64-122 | | | |
| Acenaphthylene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 50.3 | | 101 | | 66-130 | | | |
| Anthracene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 52.2 | | 104 | | 65-123 | | | |
| Benzo (a) anthracene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 52.4 | | 105 | | 65-121 | | | |
| Benzo (b) fluoranthene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 47.5 | | 95 | | 65-128 | | | |
| Benzo (g,h,i) perylene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 46.6 | | 93 | | 66-129 | | | |
| Benzo (k) fluoranthene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 61.2 | | 122 | | 66-128 | | | |
| Benzo (a) pyrene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 58.8 | | 118 | | 67-128 | | | |
| Benzyl alcohol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 52.7 | | 105 | | 67-127 | | | |
| Bis(2-chloroethoxy)methane | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 49.3 | | 99 | | 64-121 | | | |
| Bis(2-chloroethyl)ether | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 45.5 | | 91 | | 55-120 | | | |
| Bis(2-chloroisopropyl) ether | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 41.1 | | 82 | | 58-120 | | | |
| Bis(2-ethylhexyl)phthalate | 10L0481 | | 50.0 | ug/L | N/A | 5.00 | 49.7 | | 99 | | 65-135 | | | |
| 4-Bromophenyl phenyl ether | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 50.2 | | 100 | | 65-129 | | | |
| Butyl benzyl phthalate | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 37.8 | | 76 | | 43-124 | | | |
| 4-Chloroaniline | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 46.6 | | 93 | | 62-123 | | | |
| 2-Chloronaphthalene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 46.6 | | 93 | | 64-120 | | | |
| Chrysene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 53.4 | | 107 | | 65-128 | | | |
| Dibenzofuran | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 49.8 | | 100 | | 65-120 | | | |
| 1,2-Dichlorobenzene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 39.4 | | 79 | | 48-120 | | | |
| 1,3-Dichlorobenzene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 37.0 | | 74 | | 47-120 | | | |
| 1,4-Dichlorobenzene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 38.2 | | 76 | | 47-120 | | | |
| Dibenz (a,h) anthracene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 48.6 | | 97 | | 65-128 | | | |
| Diethyl phthalate | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 38.0 | | 76 | | 10-120 | | | |
| Dimethyl phthalate | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 10.5 | | 21 | | 10-120 | | | |
| 2,4-Dinitrotoluene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 51.5 | | 103 | | 41-146 | | | |
| 2,6-Dinitrotoluene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 49.8 | | 100 | | 62-137 | | | |
| Di-n-octyl phthalate | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 54.9 | | 110 | | 65-137 | | | |
| Fluoranthene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 54.4 | | 109 | | 64-126 | | | |
| Fluorene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 52.5 | | 105 | | 65-125 | | | |
| Hexachlorobenzene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 47.7 | | 95 | | 65-128 | | | |
| Hexachlorocyclopentadiene | 10L0481 | | 50.0 | ug/L | N/A | 20.0 | 12.3 | | 25 | | 19-120 | | | |
| Hexachloroethane | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 35.1 | | 70 | | 41-120 | | | |

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|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | Received: 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Indeno (1,2,3-cd) pyrene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 47.8 | | 96 | | 64-125 | | | |
| 2-Methylnaphthalene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 48.3 | | 97 | | 0-200 | | | |
| Isophorone | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 48.7 | | 97 | | 62-120 | | | |
| Naphthalene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 48.1 | | 96 | | 58-120 | | | |
| Nitrobenzene | 10L0481 | | 50.0 | ug/L | N/A | 5.00 | 48.9 | | 98 | | 63-120 | | | |
| N-Nitrosodi-n-propylamine | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 41.9 | | 84 | | 63-125 | | | |
| Phenanthrene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 52.2 | | 104 | | 65-124 | | | |
| Pyrene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 52.5 | | 105 | | 65-128 | | | |
| 1,2,4-Trichlorobenzene | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 46.2 | | 92 | | 55-120 | | | |
| *Surrogate: Nitrobenzene-d5* | *10L0481* | | | ug/L | | | | | *98* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *10L0481* | | | ug/L | | | | | *93* | | *43-134* | | | |
| *Surrogate: Terphenyl-d14* | *10L0481* | | | ug/L | | | | | *105* | | *34-149* | | | |
| Benzoic acid | 10L0481 | | 50.0 | ug/L | N/A | 50.0 | 42.0 | | 84 | | 10-120 | | | |
| 4-Chloro-3-methylphenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 56.7 | | 113 | | 60-121 | | | |
| 2-Chlorophenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 49.2 | | 98 | | 53-120 | | | |
| 2,4-Dichlorophenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 54.9 | | 110 | | 58-120 | | | |
| 2,4-Dimethylphenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 49.0 | | 98 | | 38-120 | | | |
| 4,6-Dinitro-2-methylphenol | 10L0481 | | 50.0 | ug/L | N/A | 20.0 | 48.4 | | 97 | | 36-142 | | | |
| 2-Methylphenol (o-Cresol) | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 52.0 | | 104 | | 57-120 | | | |
| 3,4-Methylphenol (m&p Cresol) | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 47.6 | | 95 | | 57-120 | | | |
| 2-Nitrophenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 49.7 | | 99 | | 49-122 | | | |
| Pentachlorophenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 45.0 | | 90 | | 54-120 | | | |
| Phenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 51.0 | | 102 | | 53-120 | | | |
| 2,4,5-Trichlorophenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 56.5 | | 113 | | 58-120 | | | |
| 2,4,6-Trichlorophenol | 10L0481 | | 50.0 | ug/L | N/A | 10.0 | 51.6 | | 103 | | 60-121 | | | |
| *Surrogate: 2-Fluorophenol* | *10L0481* | | | ug/L | | | | | *90* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *10L0481* | | | ug/L | | | | | *104* | | *10-149* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *10L0481* | | | ug/L | | | | | *108* | | *21-146* | | | |
| **Total Petroleum Hydrocarbons** | | | | | | | | | | | | | | |
| DRO (C10-C20) | 10L0505 | | 2.00 | mg/L | N/A | 1.00 | 1.98 | | 99 | | 33-115 | | | |
| DRO (C20-C34) | 10L0505 | | 2.00 | mg/L | N/A | 1.00 | 2.24 | | 112 | | 50-150 | | | |
| *Surrogate: o-Terphenyl* | *10L0505* | | | mg/L | | | | | *106* | | *35-115* | | | |
| GRO (C6-C12) | 10L0712 | | 2.00 | mg/L | N/A | 1.00 | 2.19 | | 110 | | 70-119 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *10L0712* | | | mg/L | | | | | *100* | | *66-138* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *10L0712* | | | mg/L | | | | | *116* | | *44-184* | | | |

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| | | | |
|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | Received: 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | |
| John Hlavacek | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | | |
| **QC Source Sample: DTL0479-05** | | | | | | | | | | | | | | |
| Cyanide, Total | 10L0497 | <0.005 | 0.100 | mg/L | N/A | 0.00500 | 0.0429 | | 43 | | 75-125 | | | M14 |
| **QC Source Sample: DTL0479-06** | | | | | | | | | | | | | | |
| Cyanide, Total | 10L0497 | <0.005 | 0.100 | mg/L | N/A | 0.00500 | 0.0377 | | 38 | | 75-125 | | | M14 |
| **QC Source Sample: DTL0545-01** | | | | | | | | | | | | | | |
| Sulfide | 10L0572 | 0.0390 | 0.500 | mg/L | N/A | 0.100 | 0.492 | | 91 | | 75-125 | | | |
| **Total Metals** | | | | | | | | | | | | | | |
| **QC Source Sample: DTL0296-09** | | | | | | | | | | | | | | |
| Mercury | 10L0503 | 0.0000108 | 0.00100 | mg/L | N/A | 0.000200 | 0.00110 | 0.00107 | 109 | 106 | 75-125 | 3 | 20 | |
| **QC Source Sample: DTL0544-01** | | | | | | | | | | | | | | |
| Arsenic | 10L0597 | <0.1 | 1.00 | mg/L | N/A | 0.100 | 1.02 | 1.03 | 102 | 103 | 75-125 | 1 | 20 | |
| Barium | 10L0597 | 0.0595 | 1.00 | mg/L | N/A | 0.0200 | 1.06 | 1.06 | 100 | 100 | 75-125 | 1 | 20 | |
| Cadmium | 10L0597 | <0.03 | 1.00 | mg/L | N/A | 0.0300 | 1.05 | 1.06 | 105 | 106 | 75-125 | 1 | 20 | |
| Chromium | 10L0597 | <0.04 | 1.00 | mg/L | N/A | 0.0400 | 0.968 | 0.981 | 97 | 98 | 75-125 | 1 | 20 | |
| Lead | 10L0597 | <0.08 | 1.00 | mg/L | N/A | 0.0800 | 1.00 | 1.01 | 100 | 101 | 75-125 | 1 | 20 | |
| Selenium | 10L0597 | <0.1 | 1.00 | mg/L | N/A | 0.100 | 1.02 | 1.02 | 102 | 102 | 75-125 | 0 | 20 | |
| Silver | 10L0597 | <0.04 | 1.00 | mg/L | N/A | 0.0400 | 1.04 | 1.06 | 104 | 106 | 75-125 | 2 | 20 | |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| **QC Source Sample: DTL0533-14** | | | | | | | | | | | | | | |
| Benzene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 18.8 | 16.1 | 94 | 80 | 79-120 | 16 | 25 | A-01 |
| Bromodichloromethane (Dichlorobromomethane) | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.1 | 15.0 | 101 | 75 | 76-121 | 29 | 25 | A-01,M |
| Bromoform | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 16.5 | 14.6 | 82 | 73 | 69-120 | 12 | 25 | A-01 |
| Bromomethane (Methyl bromide) | 10L0685 | <5 | 20.0 | ug/L | N/A | 5.00 | 16.8 | 17.6 | 84 | 88 | 64-120 | 5 | 25 | A-01 |
| Carbon tetrachloride | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 17.7 | 16.2 | 89 | 81 | 70-129 | 9 | 25 | A-01 |
| Chlorobenzene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.0 | 17.3 | 100 | 87 | 78-120 | 14 | 25 | A-01 |
| Chloroethane | 10L0685 | <5 | 20.0 | ug/L | N/A | 5.00 | 21.7 | 18.5 | 109 | 92 | 67-120 | 16 | 25 | A-01 |
| Chloroform | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 18.4 | 17.0 | 92 | 85 | 77-120 | 7 | 25 | A-01 |
| Chloromethane (Methyl chloride) | 10L0685 | <5 | 20.0 | ug/L | N/A | 5.00 | 19.7 | 16.3 | 98 | 82 | 58-120 | 19 | 25 | A-01 |
| Dibromochloromethane (Chlorodibromomethane) | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 18.7 | 16.7 | 94 | 83 | 76-123 | 11 | 25 | A-01 |
| 1,2-Dichlorobenzene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 18.2 | 15.5 | 91 | 77 | 78-123 | 16 | 25 | A-01,M |
| 1,4-Dichlorobenzene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 19.5 | 16.2 | 98 | 81 | 74-120 | 19 | 25 | A-01 |
| 1,3-Dichlorobenzene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 19.4 | 17.5 | 97 | 88 | 76-121 | 10 | 25 | A-01 |
| 1,1-Dichloroethane | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 19.2 | 15.8 | 96 | 79 | 79-120 | 19 | 25 | A-01 |
| 1,2-Dichloroethane | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 18.3 | 16.7 | 91 | 83 | 75-120 | 9 | 25 | A-01 |
| trans-1,2-Dichloroethene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.4 | 15.8 | 102 | 79 | 79-120 | 25 | 25 | A-01 |
| 1,1-Dichloroethene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 19.9 | 16.3 | 100 | 82 | 71-121 | 20 | 25 | A-01 |
| 1,2-Dichloropropane | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.7 | 15.0 | 104 | 75 | 80-120 | 32 | 25 | A-01,M |
| cis-1,3-Dichloropropene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 21.4 | 17.9 | 107 | 89 | 80-120 | 18 | 25 | A-01 |
| trans-1,3-Dichloropropene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.9 | 21.1 | 104 | 105 | 74-120 | 1 | 25 | A-01 |
| Ethylbenzene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 19.2 | 18.0 | 96 | 90 | 79-120 | 7 | 25 | A-01 |
| n-Hexane | 10L0685 | <5 | 20.0 | ug/L | N/A | 5.00 | 18.9 | 17.1 | 95 | 85 | 57-180 | 10 | 25 | A-01 |
| Methylene chloride | 10L0685 | <5 | 20.0 | ug/L | N/A | 5.00 | 17.3 | 13.7 | 86 | 69 | 76-120 | 23 | 25 | A-01,M |
| 1,1,2,2-Tetrachloroethane | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 21.6 | 18.2 | 108 | 91 | 74-120 | 17 | 25 | A-01 |
| Tetrachloroethene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 19.1 | 16.4 | 95 | 82 | 62-128 | 15 | 25 | A-01 |
| Toluene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 21.5 | 18.3 | 108 | 92 | 79-120 | 16 | 25 | A-01 |
| 1,1,1-Trichloroethane | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 19.1 | 17.1 | 95 | 85 | 74-121 | 11 | 25 | A-01 |

Remedial Construction Services Inc (Erlanger)
1488 Cox Ave.
Erlanger, KY 41018
John Hlavacek

Work Order: DTL0545
Project: Dayton Tech Town
Project Number: Dayton Tech Town

Received: 12/10/10
Reported: 12/17/10 12:14

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| **QC Source Sample: DTL0533-14** | | | | | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.8 | 18.0 | 104 | 90 | 75-120 | 15 | 25 | A-01 |
| Trichloroethene | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 17.9 | 16.6 | 90 | 83 | 77-120 | 8 | 25 | A-01 |
| Trichlorofluoromethane | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.2 | 17.7 | 101 | 88 | 71-136 | 13 | 25 | A-01 |
| Vinyl chloride | 10L0685 | <1 | 20.0 | ug/L | N/A | 1.00 | 20.4 | 17.6 | 102 | 88 | 65-126 | 15 | 25 | A-01 |
| *Surrogate: 1,2-Dichloroethane-d4* | *10L0685* | | | ug/L | | | | | *90* | *96* | *80-120* | | | A-01 |
| *Surrogate: Dibromofluoromethane* | *10L0685* | | | ug/L | | | | | *92* | *89* | *80-120* | | | A-01 |
| *Surrogate: Toluene-d8* | *10L0685* | | | ug/L | | | | | *106* | *114* | *80-120* | | | A-01 |
| *Surrogate: 4-Bromofluorobenzene* | *10L0685* | | | ug/L | | | | | *108* | *91* | *80-120* | | | A-01 |

| | | | | | |
|---|---|---|---|---|---|
| Remedial Construction Services Inc (Erlanger) | Work Order: | DTL0545 | Received: | 12/10/10 |
| 1488 Cox Ave. | Project: | Dayton Tech Town | Reported: | 12/17/10 12:14 |
| Erlanger, KY 41018 | Project Number: | Dayton Tech Town | | |
| John Hlavacek | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **A-01** | The MSD sample was analyzed after the 12 hour batch time. |
| **B7** | Analyte was detected in the associated Method Blank between the MDL and reporting limit. |
| **L4** | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated. |
| **M** | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |
| **M14** | The MS/MSD recoveries are outside of laboratory established control limits. |
| **RL3** | Reporting limit raised due to high concentrations of non-target analytes. |
| **Z6** | Surrogate recovery was below acceptance limits. |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

January 31, 2011

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DUA0362
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 01/10/11

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-WW-011011-01 | DUA0362-01 | 01/10/11 09:20 |

**Case Narrative:** Ohio VAP compliant for PCBs and VOCs. SVOC extracted out of hold.
Revised report issued to include added parameters.

Ohio Certification Number: 4074, 857

*Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.*

*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:

S A Howard

This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0362-01 (TT-WW-011011-01 - Water - NonPotable)** | | | | | **Sampled: 01/10/11 09:20** | | | **Recvd: 01/10/11 16:45** | |
| Total Metals | | | | | | | | | |
| Arsenic | <0.00500 | | mg/L | 0.00500 | 5 | 01/24/11 23:38 | BMH | 11A0702 | SW 6020A |
| **Barium** | **0.0471** | | mg/L | 0.00500 | 5 | 01/24/11 23:38 | BMH | 11A0702 | SW 6020A |
| Cadmium | <0.00100 | | mg/L | 0.00100 | 5 | 01/24/11 23:38 | BMH | 11A0702 | SW 6020A |
| Chromium | <0.0100 | | mg/L | 0.0100 | 5 | 01/25/11 18:39 | BMH | 11A0702 | SW 6020A |
| **Lead** | **0.00536** | | mg/L | 0.00100 | 5 | 01/24/11 23:38 | BMH | 11A0702 | SW 6020A |
| Mercury | <0.000200 | | mg/L | 0.000200 | 1 | 01/21/11 15:10 | CAJ | 11A0715 | SW 7470A |
| Selenium | <0.0100 | | mg/L | 0.0100 | 5 | 01/24/11 23:38 | BMH | 11A0702 | SW 6020A |
| Silver | <0.000500 | | mg/L | 0.000500 | 5 | 01/24/11 23:38 | BMH | 11A0702 | SW 6020A |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.208 | | ug/L | 0.208 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1221 | <0.208 | | ug/L | 0.208 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1232 | <0.208 | | ug/L | 0.208 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1242 | <0.208 | | ug/L | 0.208 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1248 | <0.208 | | ug/L | 0.208 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| **PCB-1254** | **1.26** | | ug/L | 0.208 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1260 | <0.208 | | ug/L | 0.208 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-166%)* | *75 %* | | | | | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-157%)* | *67 %* | | | | | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| Acetone | <20.0 | | ug/L | 20.0 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Benzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Bromobenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Bromochloromethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Bromodichloromethane (Dichlorobromomethane) | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Bromoform | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Bromomethane (Methyl bromide) | <5.00 | | ug/L | 5.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | ug/L | 12.5 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| tert-Butylbenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| sec-Butylbenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| n-Butylbenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Carbon disulfide | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Carbon tetrachloride | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Chlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Chloroethane | <5.00 | | ug/L | 5.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Chloroform | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Chloromethane (Methyl chloride) | <5.00 | | ug/L | 5.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 4-Chlorotoluene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 2-Chlorotoluene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Dibromochloromethane (Chlorodibromomethane) | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Dibromomethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,2-Dichlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

., eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0362-01 (TT-WW-011011-01 - Water - NonPotable) - cont.** | | | | | **Sampled: 01/10/11 09:20** | | | **Recvd: 01/10/11 16:45** | |
| Volatile Organic Compounds by GC/MS - cont. | | | | | | | | | |
| 1,4-Dichlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,3-Dichlorobenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Dichlorodifluoromethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,1-Dichloroethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,2-Dichloroethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| cis-1,2-Dichloroethene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| trans-1,2-Dichloroethene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,1-Dichloroethene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,3-Dichloropropane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 2,2-Dichloropropane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,2-Dichloropropane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,1-Dichloropropene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| cis-1,3-Dichloropropene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| trans-1,3-Dichloropropene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Ethylbenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| hlorobutadiene | <5.00 | | ug/L | 5.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| .ane | <5.00 | | ug/L | 5.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 2-Hexanone | <10.0 | | ug/L | 10.0 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Isopropylbenzene (Cumene) | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| p-Isopropyltoluene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Methyl tert-butyl ether | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Methylene chloride | <50.0 | | ug/L | 50.0 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 12.5 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| n-Propylbenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Styrene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,1,1,2-Tetrachloroethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,1,2,2-Tetrachloroethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Tetrachloroethene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Toluene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,2,4-Trichlorobenzene | <5.00 | | ug/L | 5.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,1,1-Trichloroethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,1,2-Trichloroethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Trichloroethene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Trichlorofluoromethane | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,2,4-Trimethylbenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| 1,3,5-Trimethylbenzene | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Vinyl Acetate | <5.00 | | ug/L | 5.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Vinyl chloride | <1.00 | | ug/L | 1.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| Xylenes, Total | <2.00 | | ug/L | 2.00 | 1 | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| *Surr: 1,2-Dichloroethane-d4 (80-120%)* | *103 %* | | | | | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| *Surr: Dibromofluoromethane (80-120%)* | *97 %* | | | | | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| *Surr: Toluene-d8 (80-120%)* | *101 %* | | | | | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |
| *Bromofluorobenzene (80-120%)* | *99 %* | | | | | 01/24/11 14:42 | jdt | 11A0818 | SW 8260B |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0362-01 (TT-WW-011011-01 - Water - NonPotable) - cont.** | | | | | **Sampled: 01/10/11 09:20** | | | **Recvd: 01/10/11 16:45** | |
| Semivolatile Organics by GC/MS | | | | | | | | | |
| Benzoic acid | <167 | H | ug/L | 167 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Benzyl alcohol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Bis(2-chloroethoxy)methane | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Bis(2-chloroethyl)ether | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Bis(2-chloroisopropyl) ether | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <16.7 | H | ug/L | 16.7 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 4-Bromophenyl phenyl ether | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Butyl benzyl phthalate | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 4-Chloroaniline | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 4-Chloro-3-methylphenol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2-Chloronaphthalene | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2-Chlorophenol | <33.3 | H,L4 | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Dibenzofuran | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 1,2-Dichlorobenzene | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 1,3-Dichlorobenzene | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 1,4-Dichlorobenzene | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2,4-Dichlorophenol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Diethyl phthalate | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2,4-Dimethylphenol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Dimethyl phthalate | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 4,6-Dinitro-2-methylphenol | <66.7 | H | ug/L | 66.7 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2,4-Dinitrotoluene | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2,6-Dinitrotoluene | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Di-n-octyl phthalate | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Hexachlorocyclopentadiene | <66.7 | H | ug/L | 66.7 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Hexachloroethane | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Isophorone | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2-Methylphenol (o-Cresol) | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 3&4-Methylphenol (m&p Cresol) | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Nitrobenzene | <16.7 | H | ug/L | 16.7 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2-Nitrophenol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| N-Nitrosodi-n-propylamine | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Pentachlorophenol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| Phenol | <33.3 | H,L4 | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 1,2,4-Trichlorobenzene | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2,4,5-Trichlorophenol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| 2,4,6-Trichlorophenol | <33.3 | H | ug/L | 33.3 | 1 | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| *Surr: 2-Fluorophenol (21-145%)* | *64 %* | *H* | | | | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| *Surr: Phenol-d6 (10-149%)* | *72 %* | *H* | | | | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| *Surr: Nitrobenzene-d5 (35-124%)* | *75 %* | *H* | | | | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (43-134%)* | *71 %* | *H* | | | | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| *Surr: 2,4,6-Tribromophenol (21-146%)* | *69 %* | *H* | | | | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |
| *Surr: Terphenyl-d14 (34-149%)* | *69 %* | *H* | | | | 01/26/11 14:52 | jbp | 11A0752 | SW 8270C |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## ANALYTICAL REPORT

**Sample ID: DUA0362-01 (TT-WW-011011-01 - Water - NonPotable) - cont.** **Sampled: 01/10/11 09:20** **Recvd: 01/10/11 16:45**

Polynuclear Aromatic Hydrocarbons by GC/MS with Selected Ion Monitoring

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Acenaphthylene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Anthracene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| **Benzo (a) anthracene** | **0.367** | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Benzo (b) fluoranthene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Benzo (k) fluoranthene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Benzo (a) pyrene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Benzo (g,h,i) perylene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Chrysene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Dibenz (a,h) anthracene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Fluoranthene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Fluorene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Indeno (1,2,3-cd) pyrene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| **2-Methylnaphthalene** | **1.70** | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| **Naphthalene** | **3.10** | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| ıthrene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| **.e** | **0.933** | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| Hexachlorobenzene | <0.333 | H | ug/L | 0.333 | 1 | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| *Surr: 2-Fluorobiphenyl (43-134%)* | *94 %* | *H* | | | | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| *Surr: Nitrobenzene-d5 (35-124%)* | *91 %* | *H* | | | | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |
| *Surr: Terphenyl-d14 (34-149%)* | *94 %* | *H* | | | | 01/28/11 01:06 | clh | 11A0752 | SW 8270C |

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THE LEADER IN ENVIRONMENTAL TESTING

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Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| Arsenic | 11A0702 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Barium | 11A0702 | | | mg/L | N/A | 0.00100 | <0.00100 | | | | | | | |
| Cadmium | 11A0702 | | | mg/L | N/A | 0.000200 | <0.000200 | | | | | | | |
| Chromium | 11A0702 | | | mg/L | N/A | 0.00200 | <0.00200 | | | | | | | |
| Lead | 11A0702 | | | mg/L | N/A | 0.000200 | <0.000200 | | | | | | | |
| Selenium | 11A0702 | | | mg/L | N/A | 0.00200 | <0.00200 | | | | | | | |
| Silver | 11A0702 | | | mg/L | N/A | 0.000100 | <0.000100 | | | | | | | |
| Mercury | 11A0715 | | | mg/L | N/A | 0.000200 | <0.000200 | | | | | | | |
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0295 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 11A0295 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0295* | | | ug/L | | | | | *78* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0295* | | | ug/L | | | | | *94* | | *10-157* | | | |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Benzene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromodichloromethane (Dichlorobromomethane) | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromoform | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Bromomethane (Methyl bromide) | 11A0818 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Carbon tetrachloride | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chlorobenzene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chloroethane | 11A0818 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Chloroform | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Chloromethane (Methyl chloride) | 11A0818 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Dibromochloromethane (Chlorodibromomethane) | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichlorobenzene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,4-Dichlorobenzene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,3-Dichlorobenzene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1-Dichloroethane | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichloroethane | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| trans-1,2-Dichloroethene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1-Dichloroethene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,2-Dichloropropane | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| cis-1,3-Dichloropropene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| trans-1,3-Dichloropropene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Ethylbenzene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| n-Hexane | 11A0818 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| Methylene chloride | 11A0818 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Tetrachloroethene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Toluene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1,1-Trichloroethane | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| 1,1,2-Trichloroethane | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Trichloroethene | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Trichlorofluoromethane | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |
| Vinyl chloride | 11A0818 | | | ug/L | N/A | 1.00 | <1.00 | | | | | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *11A0818* | | | ug/L | | | | | *102* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *11A0818* | | | ug/L | | | | | *95* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *11A0818* | | | ug/L | | | | | *100* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *11A0818* | | | ug/L | | | | | *99* | | *80-120* | | | |
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Benzoic acid | 11A0752 | | | ug/L | N/A | 50.0 | <50.0 | | | | | | | |
| Benzyl alcohol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroethoxy)methane | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroethyl)ether | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-chloroisopropyl) ether | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Bis(2-ethylhexyl)phthalate | 11A0752 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 4-Bromophenyl phenyl ether | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Butyl benzyl phthalate | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4-Chloroaniline | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4-Chloro-3-methylphenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Chloronaphthalene | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Chlorophenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| [illegible]nzofuran | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| [illegible]chlorobenzene | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,3-Dichlorobenzene | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,4-Dichlorobenzene | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4-Dichlorophenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Diethyl phthalate | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4-Dimethylphenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Dimethyl phthalate | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 11A0752 | | | ug/L | N/A | 20.0 | <20.0 | | | | | | | |
| 2,4-Dinitrotoluene | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,6-Dinitrotoluene | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Di-n-octyl phthalate | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Hexachlorocyclopentadiene | 11A0752 | | | ug/L | N/A | 20.0 | <20.0 | | | | | | | |
| Hexachloroethane | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Isophorone | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2-Methylphenol (o-Cresol) | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 3&4-Methylphenol (m&p Cresol) | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Nitrobenzene | 11A0752 | | | ug/L | N/A | 5.00 | <5.00 | | | | | | | |
| 2-Nitrophenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| N-Nitrosodi-n-propylamine | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Pentachlorophenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| Phenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 1,2,4-Trichlorobenzene | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4,5-Trichlorophenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| 2,4,6-Trichlorophenol | 11A0752 | | | ug/L | N/A | 10.0 | <10.0 | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *11A0752* | | | ug/L | | | | | *32* | | *21-145* | | | |
| *Surrogate: Phenol-d6* | *11A0752* | | | ug/L | | | | | *57* | | *10-149* | | | |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
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Laura Funk

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Received: 01/10/11
Reported: 01/31/11 15:45

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| *Surrogate: Nitrobenzene-d5* | *11A0752* | | | ug/L | | | | | *74* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *11A0752* | | | ug/L | | | | | *68* | | *43-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *11A0752* | | | ug/L | | | | | *59* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *11A0752* | | | ug/L | | | | | *71* | | *34-149* | | | |
| **Polynuclear Aromatic Hydrocarbons by GC/MS with Selected Ion Monitoring** | | | | | | | | | | | | | | |
| Acenaphthene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Acenaphthylene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Anthracene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Benzo (a) anthracene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Benzo (b) fluoranthene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Benzo (k) fluoranthene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Benzo (a) pyrene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Benzo (g,h,i) perylene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Chrysene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Dibenz (a,h) anthracene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Fluoranthene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Fluorene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Indeno (1,2,3-cd) pyrene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| 2-Methylnaphthalene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Naphthalene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Phenanthrene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Pyrene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| Hexachlorobenzene | 11A0752 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: 2-Fluorobiphenyl* | *11A0752* | | | ug/L | | | | | *99* | | *43-134* | | | |
| *Surrogate: Nitrobenzene-d5* | *11A0752* | | | ug/L | | | | | *92* | | *35-124* | | | |
| *Surrogate: Terphenyl-d14* | *11A0752* | | | ug/L | | | | | *94* | | *34-149* | | | |

..eston Solutions Inc. (Dayton, OH)
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Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| Arsenic | 11A0702 | | 0.0500 | mg/L | N/A | 0.00100 | 0.0497 | | 99 | | 80-120 | | | |
| Barium | 11A0702 | | 0.0500 | mg/L | N/A | 0.00100 | 0.0491 | | 98 | | 80-120 | | | |
| Cadmium | 11A0702 | | 0.0500 | mg/L | N/A | 0.000200 | 0.0497 | | 99 | | 80-120 | | | |
| Chromium | 11A0702 | | 0.0500 | mg/L | N/A | 0.00200 | 0.0477 | | 95 | | 80-120 | | | |
| Lead | 11A0702 | | 0.0500 | mg/L | N/A | 0.000200 | 0.0484 | | 97 | | 80-120 | | | |
| Selenium | 11A0702 | | 0.0500 | mg/L | N/A | 0.00200 | 0.0501 | | 100 | | 80-120 | | | |
| Silver | 11A0702 | | 0.0500 | mg/L | N/A | 0.000100 | 0.0483 | | 97 | | 80-120 | | | |
| Mercury | 11A0715 | | 0.00100 | mg/L | N/A | 0.000200 | 0.00115 | | 115 | | 80-120 | | | |
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0295 | | 0.500 | ug/L | N/A | 0.100 | 0.500 | | 100 | | 16-202 | | | |
| PCB-1260 | 11A0295 | | 0.500 | ug/L | N/A | 0.100 | 0.491 | | 98 | | 22-210 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0295* | | | ug/L | | | | | *80* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0295* | | | ug/L | | | | | *74* | | *10-157* | | | |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| Benzene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.4 | | 107 | | 79-120 | | | |
| Bromodichloromethane (Dichlorobromomethane) | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.5 | | 107 | | 76-121 | | | |
| ..oform | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.7 | | 109 | | 69-120 | | | |
| ..methane (Methyl bromide) | 11A0818 | | 20.0 | ug/L | N/A | 5.00 | 20.3 | | 101 | | 64-120 | | | |
| Carbon tetrachloride | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.3 | | 107 | | 70-129 | | | |
| Chlorobenzene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.4 | | 107 | | 78-120 | | | |
| Chloroethane | 11A0818 | | 20.0 | ug/L | N/A | 5.00 | 20.8 | | 104 | | 67-120 | | | |
| Chloroform | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.2 | | 106 | | 77-120 | | | |
| Chloromethane (Methyl chloride) | 11A0818 | | 20.0 | ug/L | N/A | 5.00 | 22.7 | | 114 | | 58-120 | | | |
| Dibromochloromethane (Chlorodibromomethane) | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.8 | | 109 | | 76-123 | | | |
| 1,2-Dichlorobenzene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 23.0 | | 115 | | 78-123 | | | |
| 1,4-Dichlorobenzene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 22.1 | | 110 | | 74-120 | | | |
| 1,3-Dichlorobenzene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 22.2 | | 111 | | 76-121 | | | |
| 1,1-Dichloroethane | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 20.2 | | 101 | | 79-120 | | | |
| 1,2-Dichloroethane | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.9 | | 109 | | 75-120 | | | |
| trans-1,2-Dichloroethene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 20.7 | | 103 | | 79-120 | | | |
| 1,1-Dichloroethene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 19.4 | | 97 | | 71-121 | | | |
| 1,2-Dichloropropane | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.2 | | 106 | | 80-120 | | | |
| cis-1,3-Dichloropropene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 23.2 | | 116 | | 80-120 | | | |
| trans-1,3-Dichloropropene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 22.3 | | 111 | | 74-120 | | | |
| Ethylbenzene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.5 | | 107 | | 79-120 | | | |
| n-Hexane | 11A0818 | | 20.0 | ug/L | N/A | 5.00 | 24.8 | | 124 | | 57-180 | | | |
| Methylene chloride | 11A0818 | | 20.0 | ug/L | N/A | 5.00 | 20.3 | | 101 | | 76-120 | | | |
| 1,1,2,2-Tetrachloroethane | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 24.5 | | 123 | | 74-120 | | | L1 |
| Tetrachloroethene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 19.0 | | 95 | | 62-128 | | | |
| Toluene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.5 | | 108 | | 79-120 | | | |
| 1,1,1-Trichloroethane | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 22.0 | | 110 | | 74-121 | | | |
| 1,1,2-Trichloroethane | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 22.9 | | 115 | | 75-120 | | | |
| Trichloroethene | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.0 | | 105 | | 77-120 | | | |
| Trichlorofluoromethane | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 21.7 | | 109 | | 71-136 | | | |
| V ..hloride | 11A0818 | | 20.0 | ug/L | N/A | 1.00 | 23.3 | | 117 | | 65-126 | | | |

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## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *11A0818* | | | ug/L | | | | | *102* | | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *11A0818* | | | ug/L | | | | | *99* | | *80-120* | | | |
| *Surrogate: Toluene-d8* | *11A0818* | | | ug/L | | | | | *100* | | *80-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *11A0818* | | | ug/L | | | | | *100* | | *80-120* | | | |
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| Benzoic acid | 11A0752 | | 50.0 | ug/L | N/A | 50.0 | 24.7 | | 49 | | 10-120 | | | |
| Benzyl alcohol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 44.5 | | 89 | | 67-127 | | | |
| Bis(2-chloroethoxy)methane | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 45.9 | | 92 | | 64-121 | | | |
| Bis(2-chloroethyl)ether | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 43.9 | | 88 | | 55-120 | | | |
| Bis(2-chloroisopropyl) ether | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 42.0 | | 84 | | 58-120 | | | |
| Bis(2-ethylhexyl)phthalate | 11A0752 | | 50.0 | ug/L | N/A | 5.00 | 48.4 | | 97 | | 65-135 | | | |
| 4-Bromophenyl phenyl ether | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 49.3 | | 99 | | 65-129 | | | |
| Butyl benzyl phthalate | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 46.1 | | 92 | | 43-124 | | | |
| 4-Chloroaniline | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 47.9 | | 96 | | 62-123 | | | |
| 4-Chloro-3-methylphenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 43.4 | | 87 | | 60-121 | | | |
| 2-Chloronaphthalene | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 48.0 | | 96 | | 64-120 | | | |
| 2-Chlorophenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 20.8 | | 42 | | 53-120 | | | L4 |
| Dibenzofuran | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 51.3 | | 103 | | 65-120 | | | |
| 1,2-Dichlorobenzene | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 37.9 | | 76 | | 48-120 | | | |
| 1,3-Dichlorobenzene | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 36.9 | | 74 | | 47-120 | | | |
| 1,4-Dichlorobenzene | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 37.1 | | 74 | | 47-120 | | | |
| 2,4-Dichlorophenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 32.4 | | 65 | | 58-120 | | | |
| Diethyl phthalate | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 55.7 | | 111 | | 10-120 | | | |
| 2,4-Dimethylphenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 38.9 | | 78 | | 38-120 | | | |
| Dimethyl phthalate | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 47.3 | | 95 | | 10-120 | | | |
| 4,6-Dinitro-2-methylphenol | 11A0752 | | 50.0 | ug/L | N/A | 20.0 | 47.5 | | 95 | | 36-142 | | | |
| 2,4-Dinitrotoluene | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 47.1 | | 94 | | 41-146 | | | |
| 2,6-Dinitrotoluene | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 49.6 | | 99 | | 62-137 | | | |
| Di-n-octyl phthalate | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 51.3 | | 103 | | 65-137 | | | |
| Hexachlorocyclopentadiene | 11A0752 | | 50.0 | ug/L | N/A | 20.0 | 18.2 | | 36 | | 19-120 | | | |
| Hexachloroethane | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 34.7 | | 69 | | 41-120 | | | |
| Isophorone | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 47.1 | | 94 | | 62-120 | | | |
| 2-Methylphenol (o-Cresol) | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 37.9 | | 76 | | 57-120 | | | |
| 3&4-Methylphenol (m&p Cresol) | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 40.2 | | 80 | | 57-120 | | | |
| Nitrobenzene | 11A0752 | | 50.0 | ug/L | N/A | 5.00 | 43.9 | | 88 | | 63-120 | | | |
| 2-Nitrophenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 32.3 | | 65 | | 49-122 | | | |
| N-Nitrosodi-n-propylamine | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 46.4 | | 93 | | 63-125 | | | |
| Pentachlorophenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 52.2 | | 104 | | 54-120 | | | |
| Phenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 23.1 | | 46 | | 53-120 | | | L4 |
| 1,2,4-Trichlorobenzene | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 44.6 | | 89 | | 55-120 | | | |
| 2,4,5-Trichlorophenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 39.0 | | 78 | | 58-120 | | | |
| 2,4,6-Trichlorophenol | 11A0752 | | 50.0 | ug/L | N/A | 10.0 | 39.6 | | 79 | | 60-121 | | | |
| *Surrogate: 2-Fluorophenol* | *11A0752* | | | ug/L | | | | | *12* | | *21-145* | | | Z6 |
| *Surrogate: Phenol-d6* | *11A0752* | | | ug/L | | | | | *41* | | *10-149* | | | |

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## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS** | | | | | | | | | | | | | | |
| *Surrogate: Nitrobenzene-d5* | *11A0752* | | | ug/L | | | | | *72* | | *35-124* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *11A0752* | | | ug/L | | | | | *72* | | *43-134* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *11A0752* | | | ug/L | | | | | *66* | | *21-146* | | | |
| *Surrogate: Terphenyl-d14* | *11A0752* | | | ug/L | | | | | *71* | | *34-149* | | | |

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## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals** | | | | | | | | | | | | | | |
| **QC Source Sample: DUA0706-01** | | | | | | | | | | | | | | |
| Arsenic | 11A0702 | <0.002 | 0.0500 | mg/L | N/A | 0.00500 | 0.0508 | 0.0504 | 102 | 101 | 75-125 | 1 | 20 | |
| Barium | 11A0702 | 0.221 | 0.0500 | mg/L | N/A | 0.00500 | 0.270 | 0.261 | 97 | 80 | 75-125 | 3 | 20 | |
| Cadmium | 11A0702 | <0.0004 | 0.0500 | mg/L | N/A | 0.00100 | 0.0497 | 0.0487 | 99 | 97 | 75-125 | 2 | 20 | |
| Chromium | 11A0702 | <0.004 | 0.0500 | mg/L | N/A | 0.0100 | 0.0474 | 0.0471 | 95 | 94 | 75-125 | 1 | 20 | |
| Lead | 11A0702 | 0.000811 | 0.0500 | mg/L | N/A | 0.00100 | 0.0499 | 0.0496 | 98 | 98 | 75-125 | 1 | 20 | |
| Selenium | 11A0702 | <0.004 | 0.0500 | mg/L | N/A | 0.0100 | 0.0501 | 0.0476 | 100 | 95 | 75-125 | 5 | 20 | |
| Silver | 11A0702 | <0.0002 | 0.0500 | mg/L | N/A | 0.000500 | 0.0479 | 0.0469 | 96 | 94 | 75-125 | 2 | 20 | |
| **QC Source Sample: DUA0781-01** | | | | | | | | | | | | | | |
| Mercury | 11A0715 | <0.001 | 0.00100 | mg/L | N/A | 0.000200 | 0.00106 | 0.00107 | 106 | 107 | 75-125 | 0 | 20 | |
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| **QC Source Sample: DUA0664-01RE1** | | | | | | | | | | | | | | |
| Benzene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 22100 | 21100 | 110 | 105 | 79-120 | 5 | 25 | |
| Bromodichloromethane (Dichlorobromomethane) | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 19300 | 19100 | 97 | 96 | 76-121 | 1 | 25 | |
| Bromoform | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 20400 | 20000 | 102 | 100 | 69-120 | 2 | 25 | |
| Bromomethane (Methyl bromide) | 11A0818 | <5000 | 20000 | ug/L | N/A | 5000 | 18800 | 18900 | 94 | 94 | 64-120 | 0 | 25 | |
| Carbon tetrachloride | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 19600 | 19400 | 98 | 97 | 70-129 | 1 | 25 | |
| Chlorobenzene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 21000 | 21000 | 105 | 105 | 78-120 | 0 | 25 | |
| Chloroethane | 11A0818 | <5000 | 20000 | ug/L | N/A | 5000 | 21500 | 20700 | 108 | 103 | 67-120 | 4 | 25 | |
| Chloroform | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 19400 | 18800 | 97 | 94 | 77-120 | 3 | 25 | |
| Chloromethane (Methyl chloride) | 11A0818 | <5000 | 20000 | ug/L | N/A | 5000 | 24100 | 24000 | 121 | 120 | 58-120 | 1 | 25 | M |
| Dibromochloromethane (Chlorodibromomethane) | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 20300 | 20400 | 102 | 102 | 76-123 | 0 | 25 | |
| 1,2-Dichlorobenzene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 23000 | 21800 | 115 | 109 | 78-123 | 6 | 25 | |
| 1,4-Dichlorobenzene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 21400 | 20500 | 107 | 103 | 74-120 | 4 | 25 | |
| 1,3-Dichlorobenzene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 21600 | 20500 | 108 | 103 | 76-121 | 5 | 25 | |
| 1,1-Dichloroethane | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 20100 | 19600 | 100 | 98 | 79-120 | 3 | 25 | |
| 1,2-Dichloroethane | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 19100 | 18800 | 95 | 94 | 75-120 | 2 | 25 | |
| trans-1,2-Dichloroethene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 20600 | 20100 | 103 | 100 | 79-120 | 3 | 25 | |
| 1,1-Dichloroethene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 19200 | 19000 | 96 | 95 | 71-121 | 1 | 25 | |
| 1,2-Dichloropropane | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 22300 | 21500 | 111 | 108 | 80-120 | 3 | 25 | |
| cis-1,3-Dichloropropene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 22200 | 21900 | 111 | 110 | 80-120 | 1 | 25 | |
| trans-1,3-Dichloropropene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 22000 | 21600 | 110 | 108 | 74-120 | 2 | 25 | |
| Ethylbenzene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 21900 | 21300 | 109 | 106 | 79-120 | 3 | 25 | |
| n-Hexane | 11A0818 | <5000 | 20000 | ug/L | N/A | 5000 | 25000 | 24300 | 125 | 121 | 57-180 | 3 | 25 | |
| Methylene chloride | 11A0818 | 780 | 20000 | ug/L | N/A | 5000 | 20100 | 19500 | 97 | 93 | 76-120 | 3 | 25 | |
| 1,1,2,2-Tetrachloroethane | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 29300 | 27100 | 146 | 136 | 74-120 | 8 | 25 | M |
| Tetrachloroethene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 20200 | 19700 | 101 | 98 | 62-128 | 3 | 25 | |
| Toluene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 22000 | 21200 | 110 | 106 | 79-120 | 4 | 25 | |
| 1,1,1-Trichloroethane | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 20900 | 20500 | 104 | 102 | 74-121 | 2 | 25 | |
| 1,1,2-Trichloroethane | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 23700 | 23700 | 118 | 118 | 75-120 | 0 | 25 | |
| Trichloroethene | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 21000 | 20600 | 105 | 103 | 77-120 | 2 | 25 | |
| Trichlorofluoromethane | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 20700 | 20300 | 104 | 102 | 71-136 | 2 | 25 | |
| Vinyl chloride | 11A0818 | <1000 | 20000 | ug/L | N/A | 1000 | 26500 | 25000 | 133 | 125 | 65-126 | 6 | 25 | M |
| *Surrogate: 1,2-Dichloroethane-d4* | *11A0818* | | | ug/L | | | | | *91* | *93* | *80-120* | | | |
| *Surrogate: Dibromofluoromethane* | *11A0818* | | | ug/L | | | | | *93* | *93* | *80-120* | | | |
| *Surrogate: Toluene-d8* | *11A0818* | | | ug/L | | | | | *101* | *101* | *80-120* | | | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0362
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/31/11 15:45

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | | | | | | | | | | | | | | |
| **QC Source Sample: DUA0664-01RE1** | | | | | | | | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *11A0818* | | | ug/L | | | | | *97* | *93* | *80-120* | | | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0362 | Received: | 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 01/31/11 15:45 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| **H** | Sample analysis performed past method-specified holding time. |
| **L1** | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits. |
| **L4** | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated. |
| **M** | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |
| **Z6** | Surrogate recovery was below acceptance limits. |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

# Chain of Custody Record

DVA 0362

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other OVAP

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: WESTON SOLUTIONS, INC. | Client Project Manager: LAURA FUNK | Site Contact: TIM SMITH | Lab Contact: | COC No: |
| Address: 711 E. MONUMENT AVE. | Telephone: 937 531 4402 | Telephone: 937 367 7475 | Telephone: | 1 of 1 COCs |
| City/State/Zip: DAYTON, OH 45402 | Email: LAURA.FUNK@ | Analysis Turnaround Time (in BUS days) | Analyses | For lab use only |
| Phone: 937 531 4400 | | TAT if different from below 3 DAY | | Walk-in client ☐ |
| Project Name: TECH TOWN | Method of Shipment/Carrier: HAND BY CLIENT | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Lab pickup ☐ |
| Project Number: 12473-005-007 | Shipping/Tracking No: | | | Lab sampling ☐ |
| PO# | | | | Job/SDG No: |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: NONE | Filtered Sample (Y/N) | Composite=C / Grab=G | PCB'S 8082 | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-WW-011011-01 | 1/10/11 | 0930 | | X | | | | | | | | | | 2 | N | C | | |
| LAST ITEM | | | | | | | | | | | | | | | | | | |

**Possible Hazard Identification**
☒ 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:**

3 DAY TURN

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| T. SMITH | WESTON | 1/10/11 1645 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: 1/10/11 1645 |

TAL-0018 (1008)

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S

☐ Discrepancies Client ID Weston

☐ Short Hold Work Order # DUA-0362

☒ Rush ☐24hr ☐2day ☒3day ☐5day ☐other

Receipt evaluation performed by - Initials: BJD Date: 1/10/11 Time: 1145

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other

**Packing Materials:**
☒ Plastic Bags ☐ Foam
☒ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☒ N/A (not used or required)

**Cooling Materials:**
☒ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☐ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ No ☐ Yes *(If Yes, Project Manager must be notified).*

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 11.7 | 10.7 | ☐ | ☒ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | | ✓ | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | | ✓ | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**

Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:

☐ Discrepancy allowance agreement is on record in the client project file.

Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

[signature] 1/11/11 1 of 1

Reviewed by DM [illegible]

WI No. DT-SCA-WI-004.0

# AOI 36 May 2011 Delineation

Belmont Labs
The Environmental Service Company.

Monday, May 16, 2011
Analytical Results

Laura Funk
Weston Solutions, Inc. - Dayton
711 East Monument, Ste 201
Dayton, OHIO 45402
TEL: (937) 531-4400
FAX (937) 384-4201

RE: Tech Town

Work Order: 11E0568

Belmont Labs received 22 sample(s) on 5/12/2011 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed. USEPA's RCRA Program regards a statement of quality assurance as a legal means of assuring that acceptable and uniform laboratory methods and QA/QC practices were followed by the laboratory.

If you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Green
Project Manager

**Certifications:** NELAP/NELAC - #04130 VAP - #CL0032
Ohio EPA Drinking water - #836 Ohio EPA Drinking water (Micro) - #872

**CNT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Sampled Date | Received Date |
|---|---|---|---|
| 11E0568-01A | TT-T15-SB216-02-051111 | 5/11/2011 1:25:00PM | 5/12/2011 |
| 11E0568-02A | TT-T15-SB216-02-051111DP | 5/11/2011 1:25:00PM | 5/12/2011 |
| 11E0568-03A | TT-T15-SB216-04-051111 | 5/11/2011 1:27:00PM | 5/12/2011 |
| 11E0568-04A | TT-T15-SB216-06-051111 | 5/11/2011 1:31:00PM | 5/12/2011 |
| 11E0568-05A | TT-T15-SB216-08-051111 | 5/11/2011 1:33:00PM | 5/12/2011 |
| 11E0568-06A | TT-T15-SB216-10-051111 | 5/11/2011 1:40:00PM | 5/12/2011 |
| 11E0568-07A | TT-T15-SB216-12-051111 | 5/11/2011 3:45:00PM | 5/12/2011 |
| 11E0568-08A | TT-T15-SB216-051111-RI | 5/11/2011 3:50:00PM | 5/12/2011 |
| 11E0568-09A | TT-T15-SS219-02-051111 | 5/11/2011 11:50:00AM | 5/12/2011 |
| 11E0568-10A | TT-T15-SS220-02-051111 | 5/11/2011 2:30:00PM | 5/12/2011 |
| 11E0568-11A | TT-T15-SB217-02-051111 | 5/11/2011 2:28:00PM | 5/12/2011 |
| 11E0568-12A | TT-T15-SB217-04-051111 | 5/11/2011 2:30:00PM | 5/12/2011 |
| 11E0568-13A | TT-T15-SB217-06-051111 | 5/11/2011 2:38:00PM | 5/12/2011 |
| 11E0568-14A | TT-T15-SB217-08-051111 | 5/11/2011 2:41:00PM | 5/12/2011 |
| E0568-15A | TT-T15-SB217-10-051111 | 5/11/2011 2:45:00PM | 5/12/2011 |
| 11E0568-16A | TT-T15-SB217-12-051111 | 5/11/2011 2:47:00PM | 5/12/2011 |
| 11E0568-17A | TT-T15-SB218-02-051111 | 5/11/2011 12:11:00PM | 5/12/2011 |
| 11E0568-18A | TT-T15-SB218-04-051111 | 5/11/2011 12:13:00PM | 5/12/2011 |
| 11E0568-19A | TT-T15-SB218-06-051111 | 5/11/2011 12:15:00PM | 5/12/2011 |
| 11E0568-20A | TT-T15-SB218-08-051111 | 5/11/2011 12:20:00PM | 5/12/2011 |
| 11E0568-21A | TT-T15-SB218-10-051111 | 5/11/2011 12:26:00PM | 5/12/2011 |
| 11E0568-22A | TT-T15-SB218-12-051111 | 5/11/2011 3:15:00PM | 5/12/2011 |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-01 **Collection Date:** 5/11/2011 1:25:00PM
**Client Sample ID:** TT-T15-SB216-02-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1221 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1232 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1242 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1248 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| **Aroclor 1254** | **0.456** | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1260 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| *Surrogate: Decachlorobiphenyl* | *108 %* | | | *40-159* | | *1120241* | 5/13/2011 4:29:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *66.0 %* | | | *47-125* | | *1120241* | 5/13/2011 4:29:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **15.5** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-02 **Collection Date:** 5/11/2011 1:25:00PM
**Client Sample ID:** TT-T15-SB216-02-051111DP **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1221 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1232 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1242 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1248 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| **Aroclor 1254** | **1.80** | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1260 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| *Surrogate: Decachlorobiphenyl* | *114 %* | | | *40-159* | | *1120241* | 5/13/2011 4:45:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1120241* | 5/13/2011 4:45:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **23.6** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-03 **Collection Date:** 5/11/2011 1:27:00PM
**Client Sample ID:** TT-T15-SB216-04-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1221 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1232 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1242 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1248 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1254 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1260 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| *Surrogate: Decachlorobiphenyl* | *98.0 %* | | | *40-159* | | *1120241* | 5/13/2011 5:01:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *48.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:01:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **28.0** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**ENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-04 **Collection Date:** 5/11/2011 1:31:00PM
**Client Sample ID:** TT-T15-SB216-06-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1221 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1232 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1242 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1248 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| **Aroclor 1254** | **1.07** | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1260 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| *Surrogate: Decachlorobiphenyl* | *102 %* | | | *40-159* | | *1120241* | 5/13/2011 5:17:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *56.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:17:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.9** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-05 **Collection Date:** 5/11/2011 1:33:00PM
**Client Sample ID:** TT-T15-SB216-08-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1221 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1232 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1242 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1248 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| **Aroclor 1254** | **25.4** | 2.23 | | mg/kg dry | 20 | 1120241 | 5/14/2011 12:54:00PM |
| Aroclor 1260 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1120241* | 5/13/2011 5:33:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *58.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:33:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **10.6** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-06 **Collection Date:** 5/11/2011 1:40:00PM
**Client Sample ID:** TT-T15-SB216-10-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1221 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1232 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1242 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1248 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| **Aroclor 1254** | **32.2** | 2.12 | | mg/kg dry | 20 | 1120241 | 5/14/2011 1:10:00PM |
| Aroclor 1260 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| *Surrogate: Decachlorobiphenyl* | *108 %* | | | *40-159* | | *1120241* | 5/13/2011 5:49:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *62.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:49:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **11.4** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-07 **Collection Date:** 5/11/2011 3:45:00PM
**Client Sample ID:** TT-T15-SB216-12-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1221 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1232 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1242 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1248 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| **Aroclor 1254** | **168** | 11.8 | | mg/kg dry | 100 | 1120241 | 5/14/2011 2:15:00PM |
| Aroclor 1260 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| *Surrogate: Decachlorobiphenyl* | *90.0 %* | | | *40-159* | | *1120241* | 5/13/2011 6:05:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *70.0 %* | | | *47-125* | | *1120241* | 5/13/2011 6:05:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **15.5** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-08
**Client Sample ID:** TT-T15-SB216-051111-RI
**Collection Date:** 5/11/2011 3:50:00PM
**Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1254 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *36-157* | | *1120217* | 5/12/2011 5:55:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *104 %* | | | *28-127* | | *1120217* | 5/12/2011 5:55:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-09
**Client Sample ID:** TT-T15-SS219-02-051111
**Collection Date:** 5/11/2011 11:50:00AM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1221 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1232 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1242 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1248 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| **Aroclor 1254** | **118** | 11.9 | | mg/kg dry | 100 | 1120241 | 5/14/2011 2:31:00PM |
| Aroclor 1260 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| *Surrogate: Decachlorobiphenyl* | *104 %* | | | *40-159* | | *1120241* | 5/13/2011 6:21:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1120241* | 5/13/2011 6:21:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.9** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-10
**Client Sample ID:** TT-T15-SS220-02-051111
**Collection Date:** 5/11/2011 2:30:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1221 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1232 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1242 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1248 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| **Aroclor 1254** | **1.67** | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1260 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| *Surrogate: Decachlorobiphenyl* | *116 %* | | | *40-159* | | *1120241* | 5/13/2011 6:37:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *54.0 %* | | | *47-125* | | *1120241* | 5/13/2011 6:37:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **20.1** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-11 **Collection Date:** 5/11/2011 2:28:00PM
**Client Sample ID:** TT-T15-SB217-02-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1221 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1232 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1242 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1248 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| **Aroclor 1254** | **0.208** | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1260 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| *Surrogate: Decachlorobiphenyl* | *110 %* | | | *40-159* | | *1120241* | 5/14/2011 11:34:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *62.0 %* | | | *47-125* | | *1120241* | 5/14/2011 11:34:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **26.3** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**ENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-12
**Client Sample ID:** TT-T15-SB217-04-051111
**Collection Date:** 5/11/2011 2:30:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1221 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1232 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1242 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1248 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1254 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1260 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| *Surrogate: Decachlorobiphenyl* | *100 %* | | | *40-159* | | *1120241* | 5/13/2011 7:41:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *44.0 %* | | *S-QC* | *47-125* | | *1120241* | 5/13/2011 7:41:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **25.0** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-13 **Collection Date:** 5/11/2011 2:38:00PM
**Client Sample ID:** TT-T15-SB217-06-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1221 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1232 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1242 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1248 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| **Aroclor 1254** | **0.479** | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1260 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| *Surrogate: Decachlorobiphenyl* | *104 %* | | | *40-159* | | *1120241* | 5/14/2011 11:50:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *58.0 %* | | | *47-125* | | *1120241* | 5/14/2011 11:50:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **10.7** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-14 **Collection Date:** 5/11/2011 2:41:00PM
**Client Sample ID:** TT-T15-SB217-08-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1221 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1232 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1242 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1248 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| **Aroclor 1254** | **0.740** | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1260 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| *Surrogate: Decachlorobiphenyl* | *104 %* | | | *40-159* | | *1120241* | 5/14/2011 12:06:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1120241* | 5/14/2011 12:06:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **14.1** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-15 **Collection Date:** 5/11/2011 2:45:00PM
**Client Sample ID:** TT-T15-SB217-10-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1221 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1232 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1242 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1248 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| **Aroclor 1254** | **399** | 21.1 | | mg/kg dry | 200 | 1120241 | 5/14/2011 2:47:00PM |
| Aroclor 1260 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| *Surrogate: Decachlorobiphenyl* | *92.0 %* | | | *40-159* | | *1120241* | 5/13/2011 8:29:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *62.0 %* | | | *47-125* | | *1120241* | 5/13/2011 8:29:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **6.24** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**ENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-16
**Client Sample ID:** TT-T15-SB217-12-051111
**Collection Date:** 5/11/2011 2:47:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1221 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1232 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1242 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1248 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| **Aroclor 1254** | **474** | 19.1 | | mg/kg dry | 200 | 1120241 | 5/14/2011 3:03:00PM |
| Aroclor 1260 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| *Surrogate: Decachlorobiphenyl* | *99.0 %* | | | *40-159* | | *1120241* | 5/13/2011 8:45:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *79.0 %* | | | *47-125* | | *1120241* | 5/13/2011 8:45:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **8.08** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-17 **Collection Date:** 5/11/2011 12:11:00PM
**Client Sample ID:** TT-T15-SB218-02-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1221 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1232 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1242 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1248 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| **Aroclor 1254** | **6.31** | 1.07 | | mg/kg dry | 10 | 1120241 | 5/14/2011 12:38:00PM |
| Aroclor 1260 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| *Surrogate: Decachlorobiphenyl* | *123 %* | | | *40-159* | | *1120241* | 5/13/2011 9:02:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *74.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:02:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **17.6** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-18 **Collection Date:** 5/11/2011 12:13:00PM
**Client Sample ID:** TT-T15-SB218-04-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1221 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1232 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1242 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1248 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| **Aroclor 1254** | **0.924** | 0.116 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:22:00PM |
| Aroclor 1260 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| *Surrogate: Decachlorobiphenyl* | *109 %* | | | *40-159* | | *1120241* | 5/13/2011 9:18:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *64.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:18:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **15.0** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-19 **Collection Date:** 5/11/2011 12:15:00PM
**Client Sample ID:** TT-T15-SB218-06-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1221 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1232 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1242 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1248 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| **Aroclor 1254** | **378** | 24.8 | | mg/kg dry | 200 | 1120241 | 5/14/2011 3:19:00PM |
| Aroclor 1260 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1120241* | 5/13/2011 9:34:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *64.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:34:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.3** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**ENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-20 **Collection Date:** 5/11/2011 12:20:00PM
**Client Sample ID:** TT-T15-SB218-08-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1221 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1232 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1242 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1248 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| **Aroclor 1254** | **30.6** | 2.14 | | mg/kg dry | 20 | 1120241 | 5/14/2011 1:26:00PM |
| Aroclor 1260 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| *Surrogate: Decachlorobiphenyl* | *126 %* | | | *40-159* | | *1120241* | 5/13/2011 9:50:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:50:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **10.9** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-21 **Collection Date:** 5/11/2011 12:26:00PM
**Client Sample ID:** TT-T15-SB218-10-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1221 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1232 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1242 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1248 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| **Aroclor 1254** | **320** | 19.7 | | mg/kg dry | 200 | 1120241 | 5/14/2011 3:35:00PM |
| Aroclor 1260 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| *Surrogate: Decachlorobiphenyl* | *80.0 %* | | | *40-159* | | *1120241* | 5/13/2011 10:06:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *54.0 %* | | | *47-125* | | *1120241* | 5/13/2011 10:06:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **8.54** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-22 **Collection Date:** 5/11/2011 3:15:00PM
**Client Sample ID:** TT-T15-SB218-12-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1221 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1232 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1242 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1248 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| **Aroclor 1254** | **79.7** | 4.95 | | mg/kg dry | 50 | 1120265 | 5/14/2011 1:46:00PM |
| Aroclor 1260 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| *Surrogate: Decachlorobiphenyl* | *104 %* | | | *40-159* | | *1120265* | 5/14/2011 9:47:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *88.0 %* | | | *47-125* | | *1120265* | 5/14/2011 9:47:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **7.96** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number 11E0568

| | | |
|---|---|---|
| Purchase Order No. | | Client Project: Tech Town |

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc. Ste 201
Address: 711 E. Monument Ave.
City, State, Zip: Dayton, Ohio 45402

**REPORT TO**
Name: same
Company:
Mailing Address:
City, State, Zip:
Phone No: Fax No:

Date Results Req: 5-13-2011 | Rush Charges Authorized? ☒ Yes ☐ No | Fax Results ☐

Special Instructions: Requesting 24 hour TAT to 2 day TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☒ VAP
☒ Other TSCA
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCB's (8082) | Lab Only |
|---|---|---|---|---|---|---|---|---|
| TT-T15-SB216-02-051111 | 5-11-11 | 1325 | | X | S | 1 | X | |
| TT-T15-SB216-02-051111 DP | | 1325 | | X | S | 1 | X | |
| TT-T15-SB216-04-051111 | | 1327 | | X | S | 1 | X | |
| TT-T15-SB216-06-051111 | | 1331 | | X | S | 1 | X | |
| TT-T15-SB216-08-051111 | | 1333 | | X | S | 1 | X | |
| TT-T15-SB216-10-051111 | | 1340 | | X | S | 1 | X | |
| TT-T15-SB216-12-051111 | | 1545 | | X | S | 1 | X | |
| TT-T15-SB216-051111-RT | | 1550 | | X | W | 1 | X | |
| TT-T15-SS219-02-051111 | | 1150 | | X | S | 1 | X | |
| TT-T15-SS220-02-051111 | | 1430 | | X | S | 1 | X | |

CHAIN OF CUSTODY (if required)

Relinquished by: David Swan Date/Time 5/12/11 @ 845 Received by:
Relinquished by: Date/Time Received at lab by: P. Whitaker Date/Time 5-12-11 8:45
Method of Shipment: UPS Cooler Temp 3° ice Custody Seals ☒ Yes ☐ No

Sampled by: Michael Blair Date 5-11-2011

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

Houston Business Forms - Form #14374 1/11

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number _____

Purchase Order No. | Client Project: Tech Town

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc
Address: 711 E. Monument Ave. Ste 201
City, State, Zip: Dayton, Ohio 45402

**REPORT TO**
Name: same
Company:
Mailing Address:
City, State, Zip:
Phone No: Fax No:

Date Results Req: 5-13-2011 | Rush Charges Authorized? ☒ Yes ☐ No | Fax Results: ☐

Special Instructions: Requiring 24 TAT to 2 day TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☒ VAP
☒ Other NCA
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (8082) HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-TI5-SB217-02-051111 | 5-11-2011 | 1428 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB217-04-051111 | | 1430 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB217-06-051111 | | 1438 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB217-08-051111 | | 1441 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB217-10-051111 | | 1445 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB217-12-051111 | | 1447 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB218-02-051111 | | 1211 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB218-04-051111 | | 1213 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB218-06-051111 | | 1215 | | X | S | 1 | X | | | | | | | | |
| TT-TI5-SB218-08-051111 | | 1220 | | X | S | 1 | X | | | | | | | | |

CHAIN OF CUSTODY (if required)
Relinquished by: David Sena | Date/Time 5/12/11 @ 845 | Received by: | Date/Time
Relinquished by: | Date/Time | Received at lab by: P. Whitaker | Date/Time 5-12-11 8:45
Method of Shipment: WSI | Cooler Temp. 3° ice | Custody Seals ☒ Yes ☐ No

Sampled by: Michael Blair | Date 5-11-2011

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST
# CHAIN OF CUSTODY

Internal Lab Order Number _____

| Purchase Order No. | | Client Project: Tech Town |
|---|---|---|

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E. Monument Ave. Ste 201
City, State, Zip: Dayton, Ohio 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No.: Fax No.:

Date Results Req: 5-13-2011
Rush Charges Authorized? ☒ Yes ☐ No
Fax Results ☐

Special Instructions: requesting 24 hr. TAT to 2 day TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☒ VAP
☒ Other TCA
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (4082) | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-T15-SB218-10-051111 | 5-11-2011 | 1226 | | X | S | | X | | | | | | | | | |
| TT-T15-SB218-12-051111 | 5-11-2011 | 1515 | | X | S | | X | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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CHAIN OF CUSTODY (if required)
Relinquished by: David Serra Date/Time 5/12/11 @ 845
Received by: Date/Time
Relinquished by: Date/Time
Received at lab by: P. Whitaker Date/Time 5-12-11 8:45
Method of Shipment: Let
Cooler Temp. 3° Ice
Custody Seals ☒ Yes ☐ No

Sampled by: Michael Blair Date: 5-11-2011
Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

Houston Business Forms - Form #14374 1/11

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1120217 - PREP_PP_W** | | | | | | | | | | |
| **Blank (1120217-BLK1)** | | | | Prepared & Analyzed: 05/12/11 | | | | | | |
| Aroclor 1016 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1221 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1232 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1242 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1248 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1254 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1260 | BDL | 0.500 | ug/L | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.470* | | *ug/L* | *0.5000* | | *94.0* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.370* | | *ug/L* | *0.5000* | | *74.0* | *28-127* | | | |
| **LCS (1120217-BS1)** | | | | Prepared & Analyzed: 05/12/11 | | | | | | |
| Aroclor 1016 | 5.78 | 0.500 | ug/L | 5.000 | | 116 | 50-170 | | | |
| Aroclor 1260 | 5.24 | 0.500 | ug/L | 5.000 | | 105 | 53-163 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.530* | | *ug/L* | *0.5000* | | *106* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.410* | | *ug/L* | *0.5000* | | *82.0* | *28-127* | | | |
| **Dup (1120217-BSD1)** | | | | Prepared & Analyzed: 05/12/11 | | | | | | |
| Aroclor 1016 | 5.75 | 0.500 | ug/L | 5.000 | | 115 | 50-170 | 0.520 | 19 | |
| Aroclor 1260 | 4.97 | 0.500 | ug/L | 5.000 | | 99.4 | 53-163 | 5.29 | 22 | |
| *Surrogate: Decachlorobiphenyl* | *0.500* | | *ug/L* | *0.5000* | | *100* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.460* | | *ug/L* | *0.5000* | | *92.0* | *28-127* | | | |
| **Batch 1120241 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1120241-BLK1)** | | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0147* | | *mg/kg wet* | *0.01667* | | *88.0* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *See narrative.* | | *mg/kg wet* | *0.01667* | | *44.0* | *47-125* | | | *S-QC* |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1120241 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1120241-BS1)** | | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | 0.175 | 0.0200 | mg/kg wet | 0.1667 | | 105 | 51-168 | | | |
| Aroclor 1260 | 0.184 | 0.0200 | mg/kg wet | 0.1667 | | 110 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0163* | | *mg/kg wet* | *0.01667* | | *98.0* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00900* | | *mg/kg wet* | *0.01667* | | *54.0* | *47-125* | | | |
| **LCS Dup (1120241-BSD1)** | | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | 0.187 | 0.0200 | mg/kg wet | 0.1667 | | 112 | 51-168 | 6.62 | 24 | |
| Aroclor 1260 | 0.188 | 0.0200 | mg/kg wet | 0.1667 | | 113 | 51-173 | 2.33 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0163* | | *mg/kg wet* | *0.01667* | | *98.0* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0100* | | *mg/kg wet* | *0.01667* | | *60.0* | *47-125* | | | |
| **Matrix Spike (1120241-MS1)** | **Source: 11E0568-01** | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | See narrative. | 0.112 | mg/kg dry | 0.9338 | ND | | 10-231 | | | |
| Aroclor 1260 | See narrative. | 0.112 | mg/kg dry | 0.9338 | ND | | 42-167 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.105* | | *mg/kg dry* | *0.09338* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0616* | | *mg/kg dry* | *0.09338* | | *66.0* | *47-125* | | | |
| **Matrix Spike Dup (1120241-MSD1)** | **Source: 11E0568-01** | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | See narrative. | 0.117 | mg/kg dry | 0.9722 | ND | | 10-231 | | 50 | |
| Aroclor 1260 | See narrative. | 0.117 | mg/kg dry | 0.9722 | ND | | 42-167 | | 24 | |
| *Surrogate: Decachlorobiphenyl* | *0.103* | | *mg/kg dry* | *0.09722* | | *106* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0642* | | *mg/kg dry* | *0.09722* | | *66.0* | *47-125* | | | |
| **Batch 1120265 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1120265-BLK1)** | | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0200* | | *mg/kg wet* | *0.01667* | | *120* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0143* | | *mg/kg wet* | *0.01667* | | *86.0* | *47-125* | | | |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1120265 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1120265-BS1)** | | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 0.211 | 0.0200 | mg/kg wet | 0.1667 | | 127 | 51-168 | | | |
| Aroclor 1260 | 0.225 | 0.0200 | mg/kg wet | 0.1667 | | 135 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0197* | | *mg/kg wet* | *0.01667* | | *118* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0130* | | *mg/kg wet* | *0.01667* | | *78.0* | *47-125* | | | |
| **LCS Dup (1120265-BSD1)** | | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 0.217 | 0.0200 | mg/kg wet | 0.1667 | | 130 | 51-168 | 2.49 | 24 | |
| Aroclor 1260 | 0.246 | 0.0200 | mg/kg wet | 0.1667 | | 148 | 51-173 | 8.90 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0177* | | *mg/kg wet* | *0.01667* | | *106* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0137* | | *mg/kg wet* | *0.01667* | | *82.0* | *47-125* | | | |
| **Matrix Spike (1120265-MS1)** | **Source: 11E0663-15** | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 1.13 | 0.0976 | mg/kg wet | 0.8130 | ND | 139 | 10-231 | | | |
| Aroclor 1260 | 1.28 | 0.0976 | mg/kg wet | 0.8130 | ND | 157 | 42-167 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0927* | | *mg/kg wet* | *0.08130* | | *114* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0667* | | *mg/kg wet* | *0.08130* | | *82.0* | *47-125* | | | |
| **x Spike Dup (1120265-MSD1)** | **Source: 11E0663-15** | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 1.20 | 0.0976 | mg/kg wet | 0.8130 | ND | 147 | 10-231 | 5.72 | 50 | |
| Aroclor 1260 | 1.35 | 0.0976 | mg/kg wet | 0.8130 | ND | 166 | 42-167 | 5.32 | 24 | |
| *Surrogate: Decachlorobiphenyl* | *0.0894* | | *mg/kg wet* | *0.08130* | | *110* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0732* | | *mg/kg wet* | *0.08130* | | *90.0* | *47-125* | | | |

## Conventional Chemistry Parameters by ASTM Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1121003 - Wet Chem Prep** | | | | | | | | | | |
| **Duplicate (1121003-DUP1)** | **Source: 11E0568-21** | | | Prepared & Analyzed: 05/13/11 | | | | | | |
| % Solids | 93.8 | | % by Weight | | 91.5 | | | 2.48 | 5 | |
| Percent Moisture | 6.24 | | % by Weight | | 8.54 | | | 31.1 | 200 | |
| **Duplicate (1121003-DUP2)** | **Source: 11E0568-22** | | | Prepared & Analyzed: 05/13/11 | | | | | | |
| % Solids | 89.9 | | % by Weight | | 92.0 | | | 2.32 | 5 | |
| Percent Moisture | 10.1 | | % by Weight | | 7.96 | | | 23.4 | 200 | |

## Notes and Definitions

S-QC Surrogate result is outside of acceptance limits. The remaining number of surrogates within acceptance limits satisfies method criteria for producing valid data.

! See narrative.

Sample preservation was met unless otherwise noted.

# AOI 36 June 2011 Delineation

Belmont Labs
The Environmental Service Company.

Tuesday, June 14, 2011
Analytical Results

Laura Funk
Weston Solutions, Inc. - Dayton
711 East Monument, Ste 201
Dayton, OHIO 45402
TEL: (937) 531-4400
FAX (937) 384-4201

RE: Tech Town

Work Order: 11F0618

Belmont Labs received 27 sample(s) on 6/10/2011 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed. USEPA's RCRA Program regards a statement of quality assurance as a legal means of assuring that acceptable and uniform laboratory methods and QA/QC practices were followed by the laboratory.

If you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Green
Project Manager

**Certifications:** NELAP/NELAC - #04130 VAP - #CL0032
Ohio EPA Drinking water - #836 Ohio EPA Drinking water (Micro) - #872

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Sampled Date | Received Date |
|---|---|---|---|
| 11F0618-01A | TT-SB235-02-060911 | 6/9/2011 10:25:00AM | 6/10/2011 |
| 11F0618-02A | TT-SB235-04-060911 | 6/9/2011 10:51:00AM | 6/10/2011 |
| 11F0618-03A | TT-SB235-04-060911DP | 6/9/2011 10:53:00AM | 6/10/2011 |
| 11F0618-04A | TT-SB235-06-060911 | 6/9/2011 10:55:00AM | 6/10/2011 |
| 11F0618-05A | TT-SB235-08-060911 | 6/9/2011 10:57:00AM | 6/10/2011 |
| 11F0618-06A | TT-SB235-10-060911 | 6/9/2011 11:00:00AM | 6/10/2011 |
| 11F0618-07A | TT-SB235-12-060911 | 6/9/2011 11:02:00AM | 6/10/2011 |
| 11F0618-08A | TT-SB234-02-060911 | 6/9/2011 11:18:00AM | 6/10/2011 |
| 11F0618-09A | TT-SB234-04-060911 | 6/9/2011 11:20:00AM | 6/10/2011 |
| 11F0618-10A | TT-SB234-06-060911 | 6/9/2011 11:25:00AM | 6/10/2011 |
| 11F0618-10B | TT-SB234-06-060911 | 6/9/2011 11:25:00AM | 6/10/2011 |
| 11F0618-11A | TT-SB234-08-060911 | 6/9/2011 11:35:00AM | 6/10/2011 |
| 11F0618-12A | TT-SB234-10-060911 | 6/9/2011 11:40:00AM | 6/10/2011 |
| 11F0618-13A | TT-SB233-02-060911 | 6/9/2011 12:20:00PM | 6/10/2011 |
| 11F0618-14A | TT-SB233-04-060911 | 6/9/2011 12:23:00PM | 6/10/2011 |
| 11F0618-15A | TT-SB233-04-060911DP | 6/9/2011 12:25:00PM | 6/10/2011 |
| 11F0618-16A | TT-SB233-06-060911 | 6/9/2011 12:30:00PM | 6/10/2011 |
| 11F0618-17A | TT-SB233-08-060911 | 6/9/2011 12:32:00PM | 6/10/2011 |
| 11F0618-18A | TT-SB233-10-060911 | 6/9/2011 1:20:00PM | 6/10/2011 |
| 11F0618-19A | TT-SB233-12-060911 | 6/9/2011 1:25:00PM | 6/10/2011 |
| 11F0618-20A | TT-SB232-02-060911 | 6/9/2011 1:50:00PM | 6/10/2011 |
| 11F0618-21A | TT-SB232-02-060911DP | 6/9/2011 1:52:00PM | 6/10/2011 |
| 11F0618-22A | TT-SB232-04-060911 | 6/9/2011 1:55:00PM | 6/10/2011 |
| 11F0618-23A | TT-SB232-06-060911 | 6/9/2011 2:05:00PM | 6/10/2011 |
| 11F0618-24A | TT-SB232-08-060911 | 6/9/2011 2:08:00PM | 6/10/2011 |
| 11F0618-25A | TT-SB232-10-060911 | 6/9/2011 2:10:00PM | 6/10/2011 |
| 11F0618-26A | TT-SB232-12-060911 | 6/9/2011 2:12:00PM | 6/10/2011 |
| 11F0618-27A | TT-SB232-060911-RI | 6/9/2011 2:25:00PM | 6/10/2011 |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-01 **Collection Date:** 6/9/2011 10:25:00AM
**Client Sample ID:** TT-SB235-02-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1221 | BDL | | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1232 | BDL | | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1242 | BDL | | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1248 | BDL | | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| **Aroclor 1254** | **9.42** | | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1260 | BDL | | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 5:58:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 5:58:00AM |
| **PMOIST** | **D 2216** | | | | | | **Analyst: AD** | |
| **Percent Moisture** | **8.11** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-02 **Collection Date:** 6/9/2011 10:51:00AM
**Client Sample ID:** TT-SB235-04-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1221 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1232 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1242 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1248 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1254 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1260 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| *Surrogate: Decachlorobiphenyl* | *126 %* | | | *40-159* | | *1125001* | 6/12/2011 8:47:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *48.0 %* | | | *47-125* | | *1125001* | 6/12/2011 8:47:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **21.1** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-03 **Collection Date:** 6/9/2011 10:53:00AM
**Client Sample ID:** TT-SB235-04-060911DP **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1221 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1232 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1242 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1248 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1254 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1260 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| *Surrogate: Decachlorobiphenyl* | *130 %* | | | *40-159* | | *1125001* | 6/12/2011 9:04:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *56.0 %* | | | *47-125* | | *1125001* | 6/12/2011 9:04:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **23.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-04
**Client Sample ID:** TT-SB235-06-060911
**Collection Date:** 6/9/2011 10:55:00AM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1221 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1232 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1242 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1248 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1254 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1260 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/12/2011 9:22:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1125001* | 6/12/2011 9:22:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **18.1** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-05 **Collection Date:** 6/9/2011 10:57:00AM
**Client Sample ID:** TT-SB235-08-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1221 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1232 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1242 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1248 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| **Aroclor 1254** | **0.126** | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1260 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| *Surrogate: Decachlorobiphenyl* | *114 %* | | | *40-159* | | *1125001* | 6/12/2011 9:40:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *42.0 %* | | *S-QC* | *47-125* | | *1125001* | 6/12/2011 9:40:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.1** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-06 **Collection Date:** 6/9/2011 11:00:00AM
**Client Sample ID:** TT-SB235-10-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1221 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1232 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1242 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1248 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| **Aroclor 1254** | **0.108** | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1260 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/12/2011 9:58:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *54.0 %* | | | *47-125* | | *1125001* | 6/12/2011 9:58:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **6.97** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-07
**Client Sample ID:** TT-SB235-12-060911
**Collection Date:** 6/9/2011 11:02:00AM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1221 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1232 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1242 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1248 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| **Aroclor 1254** | **0.248** | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1260 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| *Surrogate: Decachlorobiphenyl* | | *108 %* | | *40-159* | | *1125001* | 6/12/2011 10:15:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *44.0 %* | *S-QC* | *47-125* | | *1125001* | 6/12/2011 10:15:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **12.5** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-08 **Collection Date:** 6/9/2011 11:18:00AM
**Client Sample ID:** TT-SB234-02-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1221 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1232 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1242 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1248 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| **Aroclor 1254** | **41.1** | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1260 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 3:53:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 3:53:00AM |
| **PMOIST** | | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **14.2** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**:NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**. .oject:** Tech Town

**Lab ID:** 11F0618-09 **Collection Date:** 6/9/2011 11:20:00AM
**Client Sample ID:** TT-SB234-04-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1221 | BDL | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1232 | BDL | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1242 | BDL | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1248 | BDL | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| **Aroclor 1254** | **4.68** | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1260 | BDL | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | *S-01* | *40-159* | | *1125001* | 6/13/2011 2:24:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | *S-01* | *47-125* | | *1125001* | 6/13/2011 2:24:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **16.3** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-10 **Collection Date:** 6/9/2011 11:25:00AM
**Client Sample ID:** TT-SB234-06-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1221 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1232 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1242 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1248 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| **Aroclor 1254** | **1.37** | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1260 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/12/2011 10:33:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *54.0 %* | | | *47-125* | | *1125001* | 6/12/2011 10:33:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.5** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**:NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-11 **Collection Date:** 6/9/2011 11:35:00AM
**Client Sample ID:** TT-SB234-08-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1221 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1232 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1242 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1248 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1254 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1260 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| *Surrogate: Decachlorobiphenyl* | *130 %* | | | *40-159* | | *1125001* | 6/13/2011 1:40:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *40.0 %* | | *S-QC* | *47-125* | | *1125001* | 6/13/2011 1:40:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **18.9** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-12 **Collection Date:** 6/9/2011 11:40:00AM
**Client Sample ID:** TT-SB234-10-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1221 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1232 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1242 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1248 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| **Aroclor 1254** | **562** | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1260 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 4:36:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 4:36:00PM |
| **PMOIST** | **D 2216** | | | | | | **Analyst: AD** | |
| **Percent Moisture** | **7.44** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-13 **Collection Date:** 6/9/2011 12:20:00PM
**Client Sample ID:** TT-SB233-02-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1221 | BDL | | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1232 | BDL | | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1242 | BDL | | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1248 | BDL | | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| **Aroclor 1254** | **4.55** | | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1260 | BDL | | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 1:30:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 1:30:00AM |
| **PMOIST** | | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **19.0** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-14 **Collection Date:** 6/9/2011 12:23:00PM
**Client Sample ID:** TT-SB233-04-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1221 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1232 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1242 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1248 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| **Aroclor 1254** | **1.48** | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1260 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/12/2011 10:51:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *48.0 %* | | | *47-125* | | *1125001* | 6/12/2011 10:51:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-15
**Client Sample ID:** TT-SB233-04-060911DP
**Collection Date:** 6/9/2011 12:25:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1221 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1232 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1242 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1248 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| **Aroclor 1254** | **0.620** | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1260 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| *Surrogate: Decachlorobiphenyl* | *110 %* | | | *40-159* | | *1125001* | 6/13/2011 12:19:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *42.0 %* | | *S-QC* | *47-125* | | *1125001* | 6/13/2011 12:19:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **22.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-16 **Collection Date:** 6/9/2011 12:30:00PM
**Client Sample ID:** TT-SB233-06-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1221 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1232 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1242 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1248 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| **Aroclor 1254** | **10.9** | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1260 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 2:15:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 2:15:00PM |
| **PMOIST** | | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **22.0** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-17 **Collection Date:** 6/9/2011 12:32:00PM
**Client Sample ID:** TT-SB233-08-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1221 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1232 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1242 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1248 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| **Aroclor 1254** | **0.304** | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1260 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/13/2011 12:55:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *58.0 %* | | | *47-125* | | *1125001* | 6/13/2011 12:55:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **21.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-18 **Collection Date:** 6/9/2011 1:20:00PM
**Client Sample ID:** TT-SB233-10-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1221 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1232 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1242 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1248 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| **Aroclor 1254** | **0.243** | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1260 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| *Surrogate: Decachlorobiphenyl* | *110 %* | | | *40-159* | | *1125001* | 6/13/2011 1:13:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1125001* | 6/13/2011 1:13:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **4.82** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**ENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**. .oject:** Tech Town

**Lab ID:** 11F0618-19 **Collection Date:** 6/9/2011 1:25:00PM
**Client Sample ID:** TT-SB233-12-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1221 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1232 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1242 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1248 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| **Aroclor 1254** | **148** | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1260 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| *Surrogate: Decachlorobiphenyl* | | *%* | *S-01* | *40-159* | | *1125001* | 6/13/2011 4:18:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | *S-01* | *47-125* | | *1125001* | 6/13/2011 4:18:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **7.22** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-20 **Collection Date:** 6/9/2011 1:50:00PM
**Client Sample ID:** TT-SB232-02-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1221 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1232 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1242 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1248 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1254 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1260 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| *Surrogate: Decachlorobiphenyl* | *90.0 %* | | | *40-159* | | *1125001* | 6/13/2011 1:58:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1125001* | 6/13/2011 1:58:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **14.3** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-21 **Collection Date:** 6/9/2011 1:52:00PM
**Client Sample ID:** TT-SB232-02-060911DP **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1221 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1232 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1242 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1248 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| **Aroclor 1254** | **0.116** | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1260 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| *Surrogate: Decachlorobiphenyl* | *102 %* | | | *40-159* | | *1125002* | 6/13/2011 12:47:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1125002* | 6/13/2011 12:47:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **13.8** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-22 **Collection Date:** 6/9/2011 1:55:00PM
**Client Sample ID:** TT-SB232-04-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1221 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1232 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1242 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1248 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1254 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1260 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| *Surrogate: Decachlorobiphenyl* | *100 %* | | | *40-159* | | *1125002* | 6/13/2011 1:05:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *44.0 %* | | *S-QC* | *47-125* | | *1125002* | 6/13/2011 1:05:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **22.3** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-23 **Collection Date:** 6/9/2011 2:05:00PM
**Client Sample ID:** TT-SB232-06-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1221 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1232 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1242 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1248 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| **Aroclor 1254** | **0.267** | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1260 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| *Surrogate: Decachlorobiphenyl* | | *108 %* | | *40-159* | | *1125002* | 6/13/2011 1:22:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *54.0 %* | | *47-125* | | *1125002* | 6/13/2011 1:22:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | 7.07 | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-24 **Collection Date:** 6/9/2011 2:08:00PM
**Client Sample ID:** TT-SB232-08-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1221 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1232 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1242 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1248 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| **Aroclor 1254** | **0.484** | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1260 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| *Surrogate: Decachlorobiphenyl* | *106 %* | | | *40-159* | | *1125002* | 6/13/2011 3:08:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *72.0 %* | | | *47-125* | | *1125002* | 6/13/2011 3:08:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **4.80** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**NT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town **Lab Order:** 11F0618

**Lab ID:** 11F0618-25 **Collection Date:** 6/9/2011 2:10:00PM
**Client Sample ID:** TT-SB232-10-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1221 | BDL | | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1232 | BDL | | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1242 | BDL | | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1248 | BDL | | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| **Aroclor 1254** | **31.3** | | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1260 | BDL | | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| *Surrogate: Decachlorobiphenyl* | | % | | *S-01* | *40-159* | | *1125002* | 6/13/2011 4:01:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | % | | *S-01* | *47-125* | | *1125002* | 6/13/2011 4:01:00PM |
| **PMOIST** | **D 2216** | | | | | | **Analyst: AD** | |
| **Percent Moisture** | **6.74** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-26 **Collection Date:** 6/9/2011 2:12:00PM
**Client Sample ID:** TT-SB232-12-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1221 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1232 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1242 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1248 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| **Aroclor 1254** | **240** | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1260 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| *Surrogate: Decachlorobiphenyl* | | % | | *S-01* | *40-159* | | *1125002* | 6/13/2011 4:53:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | % | | *S-01* | *47-125* | | *1125002* | 6/13/2011 4:53:00PM |
| **PMOIST** | | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **11.4** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**ENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-27 **Collection Date:** 6/9/2011 2:25:00PM
**Client Sample ID:** TT-SB232-060911-RI **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| **Aroclor 1254** | **2.87** | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| *Surrogate: Decachlorobiphenyl* | *100 %* | | | *36-157* | | *1124296* | 6/11/2011 7:19:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *80.0 %* | | | *28-127* | | *1124296* | 6/11/2011 7:19:00AM |

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST
# CHAIN OF CUSTODY

Internal Lab Order Number 11F0618

| Purchase Order No. | Quote No. | Client Project |
|---|---|---|
| 0075002 | | Tech Town |

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E Monument Ave, Ste 201
City, State, Zip: Dayton, OH, 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No.: 937-531-4400 Fax No.:

Date Results Req: Rush Charges Authorized? ☑ Yes ☐ No Fax Results ☐

Special Instructions: Requesting 48 hr TAT

Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES
☐ RCRA
☐ SDWA
☑ VAP
☑ Other (TSCA)
Collected in State of OH

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (8082) | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-SB235-02-060911 | 6/9/11 | 1025 | | X | S | 1 | X | | | | | | | | |
| TT-SB235-04-060911 | ↓ | 1051 | | X | S | 1 | X | | | | | | | | |
| TT-SB235-04-060911DP | | 1053 | | X | S | 1 | X | | | | | | | | |
| TT-SB235-06-060911 | | 1055 | | X | S | 1 | X | | | | | | | | |
| TT-SB235-08-060911 | | 1057 | | X | S | 1 | X | | | | | | | | |
| TT-SB235-10-060911 | | 1100 | | X | S | 1 | X | | | | | | | | |
| TT-SB235-12-060911 | | 1102 | | X | S | 1 | X | | | | | | | | |
| TT-SB234-02-060911 | | 1118 | | X | S | 1 | X | | | | | | | | |
| TT-SB234-04-060911 | | 1120 | | X | S | 1 | X | | | | | | | | |
| TT-SB234-06-060911 | ↓ | 1125 | | X | S | 2 | X | | | | | | | | Include MS/MSD analysis |

CHAIN OF CUSTODY (if required)
Relinquished by: David Sena Date/Time 6/10/11 935 Received by: Date/Time
Relinquished by: Date/Time Received at lab by: P. Whitaker Date/Time 6-10-11 9:45
Method of Shipment: UPS Cooler Temp. 6° PW Ice Custody Seals ☐ Yes ☐ No

Sampled by: David Sena Date 6/9/11

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting
PINK - Client Retains

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

A & B Litho-Form #9786-5/02

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number _____

Purchase Order No.: 0075002 | Client Project: Tech Town

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E Monument Ave, Ste 201
City, State, Zip: Dayton, OH, 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No.: (937) 531-4400 Fax No.:

Date Results Req: Rush Charges Authorized? ☑ Yes ☐ No | Fax Results ☐

Special Instructions:
Requesting ~~48~~ 48 hr TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☑ VAP
☑ Other (TSCA)
Collected in State of OH

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (4082) | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-SB234-08-060911 | 6/9/11 | 1135 | | X | S | 1 | X | | | | | | | | |
| TT-SB234-10-060911 | | 1140 | | X | S | 1 | X | | | | | | | | |
| TT-SB234-12-060911* | | 1150 | | X | S | 1 | X | | | | | | | | Hold until further notice |
| TT-SB233-02-060911 | | 1220 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-04-060911 | | 1223 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-04-060911DP | | 1225 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-06-060911 | | 1230 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-08-060911 | | 1232 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-10-060911 | | 1320 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-12-060911 | | 1325 | | X | S | 1 | X | | | | | | | | |

CHAIN OF CUSTODY (if required)

Relinquished by: David Seng — Date/Time 6/10/11 935 — Received by:
Relinquished by: — Date/Time — Received at lab by: P. Whitaker — Date/Time 6-10-11 9:45
Method of Shipment: UPS — Cooler Temp. 6° ice — Custody Seals ☐ Yes ☐ No

Sampled by: David Seng — Date 6/9/11

Client Comments * Very low sample volume

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting



Houston Business Forms - Fax 374 1/11

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number _____

| Purchase Order No. | Quote No. | Client Project |
|---|---|---|
| 0075002 | | Tech Town |

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E Monument Ave, Ste 201
City, State, Zip: Dayton, OH, 45402

**REPORT TO**
Name:
Company:
Mailing Address:
City, State, Zip:
Phone No.: Fax No.:

Date Results Req: Rush Charges Authorized? ☑ Yes ☐ No | Fax Results ☐

Special Instructions: Requesting ~~48~~ 48 hr TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES
☐ RCRA
☐ SDWA
☑ VAP
☑ Other (TSCA)
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (8082) | Lab Only |
|---|---|---|---|---|---|---|---|---|
| TT-SB232-02-060911 | 6/9/11 | 1350 | | X | S | 1 | X | |
| TT-SB232-02-060911 DP | | 1352 | | X | S | 1 | X | |
| TT-SB232-04-060911 | | 1355 | | X | S | 1 | X | |
| TT-SB232-06-060911 | | 1405 | | X | S | 1 | X | |
| TT-SB232-08-060911 | | 1408 | | X | S | 1 | X | |
| TT-SB232-10-060911 | | 1410 | | X | S | 1 | X | |
| TT-SB232-12-060911 | | 1412 | | X | S | 1 | X | |
| TT-SB232-060911-RI | | 1425 | | X | W | 1 | X | |
| * last item | | | | | | | | * |

CHAIN OF CUSTODY (if required)

Relinquished by: David Sena Date/Time 6/10/11 935 Received by:
Relinquished by: Date/Time Received at lab by: P. Whitaker Date/Time 6-10-11 9:43
Method of Shipment: UPS Cooler Temp. 6.9 Custody Seals ☐ Yes ☐ No

Sampled by: David Sena Date 6/9/11

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

A & B Litho-Form #9786-5/02

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1124296 - PREP_PP_W** | | | | | | | | | | |
| **Blank (1124296-BLK1)** | | | | Prepared: 06/10/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor 1016 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1221 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1232 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1242 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1248 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1254 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1260 | BDL | 0.500 | ug/L | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.540* | | *ug/L* | *0.5000* | | *108* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.400* | | *ug/L* | *0.5000* | | *80.0* | *28-127* | | | |
| **LCS (1124296-BS1)** | | | | Prepared: 06/10/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor 1016 | 5.41 | 0.500 | ug/L | 5.000 | | 108 | 50-170 | | | |
| Aroclor 1260 | 5.46 | 0.500 | ug/L | 5.000 | | 109 | 53-163 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.540* | | *ug/L* | *0.5000* | | *108* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.370* | | *ug/L* | *0.5000* | | *74.0* | *28-127* | | | |
| **Dup (1124296-BSD1)** | | | | Prepared: 06/10/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor 1016 | 5.18 | 0.500 | ug/L | 5.000 | | 104 | 50-170 | 4.34 | 19 | |
| Aroclor 1260 | 5.46 | 0.500 | ug/L | 5.000 | | 109 | 53-163 | 0.00 | 22 | |
| *Surrogate: Decachlorobiphenyl* | *0.550* | | *ug/L* | *0.5000* | | *110* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.410* | | *ug/L* | *0.5000* | | *82.0* | *28-127* | | | |
| **Batch 1125001 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1125001-BLK1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0187* | | *mg/kg wet* | *0.01667* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00533* | | *mg/kg wet* | *0.01667* | | *32.0* | *47-125* | | | *S-QC* |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1125001 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1125001-BS1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.173 | 0.0200 | mg/kg wet | 0.1667 | | 104 | 51-168 | | | |
| Aroclor 1260 | 0.187 | 0.0200 | mg/kg wet | 0.1667 | | 112 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0190* | | *mg/kg wet* | *0.01667* | | *114* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00567* | | *mg/kg wet* | *0.01667* | | *34.0* | *47-125* | | | *S-QC* |
| **LCS Dup (1125001-BSD1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.176 | 0.0200 | mg/kg wet | 0.1667 | | 106 | 51-168 | 2.10 | 24 | |
| Aroclor 1260 | 0.186 | 0.0200 | mg/kg wet | 0.1667 | | 112 | 51-173 | 0.714 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0187* | | *mg/kg wet* | *0.01667* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00633* | | *mg/kg wet* | *0.01667* | | *38.0* | *47-125* | | | *S-QC* |
| **Matrix Spike (1125001-MS1)** | **Source: 11F0618-10** | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 1.32 | 0.123 | mg/kg dry | 1.022 | ND | 129 | 10-231 | | | |
| Aroclor 1260 | 3.38 | 0.123 | mg/kg dry | 1.022 | ND | 331 | 42-167 | | | M |
| *Surrogate: Decachlorobiphenyl* | *0.117* | | *mg/kg dry* | *0.1022* | | *114* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0675* | | *mg/kg dry* | *0.1022* | | *66.0* | *47-125* | | | |
| **Matrix Spike Dup (1125001-MSD1)** | **Source: 11F0618-10** | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 1.13 | 0.122 | mg/kg dry | 1.019 | ND | 111 | 10-231 | 15.3 | 50 | |
| Aroclor 1260 | 1.75 | 0.122 | mg/kg dry | 1.019 | ND | 172 | 42-167 | 63.4 | 24 | M |
| *Surrogate: Decachlorobiphenyl* | *0.114* | | *mg/kg dry* | *0.1019* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0550* | | *mg/kg dry* | *0.1019* | | *54.0* | *47-125* | | | |
| **Batch 1125002 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1125002-BLK1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0180* | | *mg/kg wet* | *0.01667* | | *108* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00467* | | *mg/kg wet* | *0.01667* | | *28.0* | *47-125* | | | *S-QC* |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1125002 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1125002-BS1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.188 | 0.0200 | mg/kg wet | 0.1667 | | 113 | 51-168 | | | |
| Aroclor 1260 | 0.190 | 0.0200 | mg/kg wet | 0.1667 | | 114 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0177* | | *mg/kg wet* | *0.01667* | | *106* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00567* | | *mg/kg wet* | *0.01667* | | *34.0* | *47-125* | | | *S-QC* |
| **LCS Dup (1125002-BSD1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.161 | 0.0200 | mg/kg wet | 0.1667 | | 96.4 | 51-168 | 15.9 | 24 | |
| Aroclor 1260 | 0.193 | 0.0200 | mg/kg wet | 0.1667 | | 116 | 51-173 | 1.91 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0183* | | *mg/kg wet* | *0.01667* | | *110* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00533* | | *mg/kg wet* | *0.01667* | | *32.0* | *47-125* | | | *S-QC* |

## Conventional Chemistry Parameters by ASTM Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1125075 - Wet Chem Prep** | | | | | | | | | | |
| **Duplicate (1125075-DUP1)** | **Source: 11F0618-17** | | | Prepared & Analyzed: 06/13/11 | | | | | | |
| % Solids | 77.6 | | % by Weight | | 78.3 | | | 1.01 | 5 | |
| Percent Moisture | 22.4 | | % by Weight | | 21.7 | | | 3.57 | 200 | |
| **Duplicate (1125075-DUP2)** | **Source: 11F0618-26** | | | Prepared & Analyzed: 06/13/11 | | | | | | |
| % Solids | 89.3 | | % by Weight | | 88.6 | | | 0.742 | 5 | |
| Percent Moisture | 10.7 | | % by Weight | | 11.4 | | | 5.99 | 200 | |

## Notes and Definitions

| | |
|---|---|
| S-QC | Surrogate result is outside of acceptance limits. The remaining number of surrogates within acceptance limits satisfies method criteria for producing valid data. |
| S-01 | The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's. |
| M | Matrix spike and/or matrix spike duplicate recovery outside of acceptance limits. |

Sample preservation was met unless otherwise noted.

# AOI 36 May and June 2011 Investigative Derived Waste

Belmont Labs
The Environmental Service Company.

Tuesday, July 26, 2011
Analytical Results

Laura Funk
Weston Solutions, Inc. - Dayton
711 East Monument, Ste 201
Dayton, OHIO 45402
TEL: (937) 531-4400
FAX (937) 384-4201

RE: Laboratory Analysis Work Order: 11G0469

Belmont Labs received 2 sample(s) on 7/12/2011 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed. USEPA's RCRA Program regards a statement of quality assurance as a legal means of assuring that acceptable and uniform laboratory methods and QA/QC practices were followed by the laboratory.

If you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Green
Project Manager
Level I

**Certifications:** NELAP/NELAC - #04130 VAP - #CL0032
Ohio EPA Drinking water - #836 Ohio EPA Drinking water (Micro) - #872

| | | | |
|---|---|---|---|
| **CLIENT:** | Weston Solutions, Inc. - Dayton | **Lab Order:** | 11G0469 |
| **Project:** | Laboratory Analysis | | |

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Sampled Date | Received Date |
|---|---|---|---|
| 11G0469-01A | TT-WC-Drum 1 | 7/12/2011 12:00:00PM | 7/12/2011 |
| 11G0469-01B | TT-WC-Drum 1 | 7/12/2011 12:00:00PM | 7/12/2011 |
| 11G0469-01C | TT-WC-Drum 1 | 7/12/2011 12:00:00PM | 7/12/2011 |
| 11G0469-01D | TT-WC-Drum 1 | 7/12/2011 12:00:00PM | 7/12/2011 |
| 11G0469-01E | TT-WC-Drum 1 | 7/12/2011 12:00:00PM | 7/12/2011 |
| 11G0469-02A | TT-WC-Drum 2,3,4 | 7/12/2011 12:00:00PM | 7/12/2011 |
| 11G0469-02B | TT-WC-Drum 2,3,4 | 7/12/2011 12:00:00PM | 7/12/2011 |

**Belmont Labs** **Date:** 7/26/2011

**ENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11G0469
**Project:** Laboratory Analysis

**Lab ID:** 11G0469-01 **Collection Date:** 7/12/2011 12:00:00PM
**Client Sample ID:** TT-WC-Drum 1 **Matrix:** Water

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **ICP_Ag** | | **EPA 200.7** | | | | | **Analyst: RJE** | |
| Silver | BDL | | 0.000500 | | mg/L | 1 | 1130006 | 7/18/2011 12:13:07AM |
| **ICP_As** | | **EPA 200.7** | | | | | **Analyst: RJE** | |
| **Arsenic** | **0.00530** | | 0.00500 | | mg/L | 1 | 1130006 | 7/18/2011 12:13:07AM |
| **ICP_Ba** | | **EPA 200.7** | | | | | **Analyst: RJE** | |
| **Barium** | **0.240** | | 0.00500 | | mg/L | 1 | 1130006 | 7/18/2011 12:13:07AM |
| **ICP_Cd** | | **EPA 200.7** | | | | | **Analyst: RJE** | |
| **Cadmium** | **0.00485** | | 0.000500 | | mg/L | 1 | 1130006 | 7/18/2011 12:13:07AM |
| **ICP_Cr** | | **EPA 200.7** | | | | | **Analyst: RJE** | |
| **Chromium** | **0.0125** | | 0.00500 | | mg/L | 1 | 1130006 | 7/18/2011 12:13:07AM |
| **ICP_Pb** | | **EPA 200.7** | | | | | **Analyst: RJE** | |
| **Lead** | **0.0138** | | 0.00500 | | mg/L | 1 | 1130006 | 7/18/2011 12:13:07AM |
| **ICP_Se** | | **EPA 200.7** | | | | | **Analyst: RJE** | |
| Selenium | BDL | | 0.0100 | | mg/L | 1 | 1130006 | 7/18/2011 12:13:07AM |
| **HG** | | **EPA 245.1** | | | | | **Analyst: KC** | |
| Mercury | BDL | | 0.000200 | | mg/L | 1 | 1130240 | 7/22/2011 1:43:42PM |
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 0.500 | | ug/L | 1 | 1129281 | 7/18/2011 2:41:00PM |
| Aroclor 1221 | BDL | | 0.500 | | ug/L | 1 | 1129281 | 7/18/2011 2:41:00PM |
| Aroclor 1232 | BDL | | 0.500 | | ug/L | 1 | 1129281 | 7/18/2011 2:41:00PM |
| Aroclor 1242 | BDL | | 0.500 | | ug/L | 1 | 1129281 | 7/18/2011 2:41:00PM |
| Aroclor 1248 | BDL | | 0.500 | | ug/L | 1 | 1129281 | 7/18/2011 2:41:00PM |
| **Aroclor 1254** | **22.3** | | 0.500 | | ug/L | 1 | 1129281 | 7/18/2011 4:45:00PM |
| Aroclor 1260 | BDL | | 0.500 | | ug/L | 1 | 1129281 | 7/18/2011 2:41:00PM |
| *Surrogate: Decachlorobiphenyl* | | *106 %* | | | | *36-157* | *1129281* | 7/18/2011 2:41:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *62.0 %* | | | | *28-127* | *1129281* | 7/18/2011 2:41:00PM |
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: EH** | |
| 1,1,1,2-Tetrachloroethane | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 1,1,1-Trichloroethane | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 1,1,2-Trichloroethane | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 1,1-Dichloroethane | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 1,1-Dichloroethene | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| [illegible]chloropropene | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| [illegible]oromoethane | BDL | | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |

**Belmont Labs** **Date:** 7/26/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11G0469
**Project:** Laboratory Analysis

**Lab ID:** 11G0469-01 **Collection Date:** 7/12/2011 12:00:00PM
**Client Sample ID:** TT-WC-Drum 1 **Matrix:** Water

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Acetonitrile | BDL | 40.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Acrolein | BDL | 20.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| cis-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Tetrachloroethene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Toluene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Trichloroethene | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| **Vinyl Chloride** | **2.10** | 1.00 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11G0469
**Project:** Laboratory Analysis

**Lab ID:** 11G0469-01 **Collection Date:** 7/12/2011 12:00:00PM
**Client Sample ID:** TT-WC-Drum 1 **Matrix:** Water

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1129261 | 7/14/2011 2:18:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *103 %* | | | *41-140* | | *1129261* | 7/14/2011 2:18:00PM |
| *Surrogate: Dibromofluoromethane* | *111 %* | | | *34-158* | | *1129261* | 7/14/2011 2:18:00PM |
| *Surrogate: Toluene-d8* | *108 %* | | | *47-147* | | *1129261* | 7/14/2011 2:18:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *103 %* | | | *29-163* | | *1129261* | 7/14/2011 2:18:00PM |
| **SVOC 8270** | **SW 8270C** | | | | | **Analyst: MBG** | |
| 1,2,4,5-Tetrachlorobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 1,2,4-Trichlorobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 1,2-Dichlorobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 1,2-Diphenylhydrazine | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 1,3-Dichlorobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 1,4-Dichlorobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,3,4,6-Tetrachlorophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,4,5-Trichlorophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,4,6-Trichlorophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,4-Dichlorophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| methylphenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,4-Dinitrophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,4-Dinitrotoluene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,6-Dichlorophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2,6-Dinitrotoluene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2-Chloronaphthalene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2-Chlorophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2-Methylphenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 2-Nitrophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 3 & 4-Methylphenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 4,6-Dinitro-2-methylphenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 4-Bromophenyl phenyl ether | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 4-Chloro-3-methylphenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 4-Chlorophenyl phenyl ether | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| 4-Nitrophenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Acetophenone | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Aniline | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Benzidine | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Alcohol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |

**Belmont Labs** **Date:** 7/26/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11G0469
**Project:** Laboratory Analysis

**Lab ID:** 11G0469-01 **Collection Date:** 7/12/2011 12:00:00PM
**Client Sample ID:** TT-WC-Drum 1 **Matrix:** Water

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Bis(2-chloroethoxy)methane | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| bis-(2-Chloroethyl)ether | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Bis(2-chloroisopropyl)ether | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Bis(2-ethylhexyl)phthalate | BDL | 6.00 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Butyl benzyl phthalate | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Dibenz(a,h)anthracene | BDL | 0.200 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Dibenzofuran | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Diethyl phthalate | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Dimethyl phthalate | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Di-n-butyl phthalate | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Di-n-octyl phthalate | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Hexachlorobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Hexachlorobutadiene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Hexachlorocyclopentadiene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Hexachloroethane | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Hexachloropropene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Isophorone | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Naphthalene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Nitrobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| N-Nitrosodimethylamine | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| N-Nitroso-di-n-butylamine | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| N-Nitrosodi-n-propylamine | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| N-Nitrosodiphenylamine | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Pentachlorobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Pentachloronitrobenzene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Pentachlorophenol | BDL | 1.00 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Phenol | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| Pyridine | BDL | 10.0 | | ug/L | 1 | 1129227 | 7/22/2011 6:06:00AM |
| *Surrogate: 2-Fluorophenol* | *33.8 %* | | | *18-70* | | *1129227* | 7/22/2011 6:06:00AM |
| *Surrogate: Phenol-d6* | *31.4 %* | | | *10-47* | | *1129227* | 7/22/2011 6:06:00AM |
| *Surrogate: Nitrobenzene-d5* | *78.4 %* | | | *50-125* | | *1129227* | 7/22/2011 6:06:00AM |
| *Surrogate: 2-Fluorobiphenyl* | *75.8 %* | | | *50-120* | | *1129227* | 7/22/2011 6:06:00AM |
| *Surrogate: 2,4,6-Tribromophenol* | *58.6 %* | | | *20-135* | | *1129227* | 7/22/2011 6:06:00AM |
| *Surrogate: Terphenyl-d14* | *88.4 %* | | | *30-150* | | *1129227* | 7/22/2011 6:06:00AM |

**ENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11G0469
**Project:** Laboratory Analysis

**Lab ID:** 11G0469-02 **Collection Date:** 7/12/2011 12:00:00PM
**Client Sample ID:** TT-WC-Drum 2,3,4 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **TCLP_Ag** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| TCLP Silver | BDL | | 0.0100 | | mg/L | 1 | 1130032 | 7/18/2011 3:29:44PM |
| **TCLP_As** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| TCLP Arsenic | BDL | | 0.100 | | mg/L | 1 | 1130032 | 7/18/2011 3:29:44PM |
| **TCLP_Ba** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| **TCLP Barium** | **1.07** | | 0.0100 | | mg/L | 1 | 1130032 | 7/18/2011 3:29:44PM |
| **TCLP_Cd** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| TCLP Cadmium | BDL | | 0.0100 | | mg/L | 1 | 1130032 | 7/18/2011 3:29:44PM |
| **TCLP_Cr** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| TCLP Chromium | BDL | | 0.0100 | | mg/L | 1 | 1130032 | 7/18/2011 3:29:44PM |
| **TCLP_Pb** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| TCLP Lead | BDL | | 0.0500 | | mg/L | 1 | 1130032 | 7/18/2011 3:29:44PM |
| **TCLP_Se** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| TCLP Selenium | BDL | | 0.100 | | mg/L | 1 | 1130032 | 7/18/2011 3:29:44PM |
| **TCLP_Hg** | | **SW 7470** | | | | | **Analyst: KC** | |
| TCLP Mercury | BDL | | 0.000200 | | mg/L | 1 | 1130215 | 7/21/2011 3:00:17PM |
| **TCLP VOC** | | **SW 8260B** | | | | | **Analyst: KDS** | |
| TCLP 1,1-Dichloroethene | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP 1,2-Dichloroethane | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP 2-Butanone | BDL | | 0.800 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP Benzene | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP Carbon tetrachloride | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP Chlorobenzene | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP Chloroform | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP Vinyl chloride | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP Trichloroethene | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| TCLP Tetrachloroethene | BDL | | 0.200 | | mg/L | 40 | 1131071 | 7/20/2011 8:28:00PM |
| *Surrogate: 4-Bromofluorobenzene* | | *96.1 %* | | | *41-140* | | *1131071* | 7/20/2011 8:28:00PM |
| *Surrogate: Dibromofluoromethane* | | *99.1 %* | | | *34-158* | | *1131071* | 7/20/2011 8:28:00PM |
| *Surrogate: Toluene-d8* | | *95.1 %* | | | *47-147* | | *1131071* | 7/20/2011 8:28:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.5 %* | | | *29-163* | | *1131071* | 7/20/2011 8:28:00PM |
| **TCLP SVOC** | | **SW 8270C** | | | | | **Analyst: MBG** | |
| TCLP 1,4-Dichlorobenzene | BDL | | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| 2,4,5-Trichlorophenol | BDL | | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |

**Belmont Labs** **Date:** 7/26/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11G0469
**Project:** Laboratory Analysis

**Lab ID:** 11G0469-02 **Collection Date:** 7/12/2011 12:00:00PM
**Client Sample ID:** TT-WC-Drum 2,3,4 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| TCLP 2,4,6-Trichlorophenol | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP 2,4-Dinitrotoluene | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP 2-Methylphenol | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP 3 & 4-Methylphenol | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP Hexachlorobenzene | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP Hexachlorobutadiene | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP Hexachloroethane | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP Nitrobenzene | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP Pentachlorophenol | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| TCLP Pyridine | BDL | 0.0500 | | mg/L | 1 | 1130149 | 7/24/2011 11:32:00PM |
| *Surrogate: 2-Fluorophenol* | *45.4 %* | | | *18-70* | | *1130149* | 7/24/2011 11:32:00PM |
| *Surrogate: Phenol-d6* | *34.6 %* | | | *10-47* | | *1130149* | 7/24/2011 11:32:00PM |
| *Surrogate: Nitrobenzene-d5* | *75.9 %* | | | *50-125* | | *1130149* | 7/24/2011 11:32:00PM |
| *Surrogate: 2-Fluorobiphenyl* | *66.9 %* | | | *50-120* | | *1130149* | 7/24/2011 11:32:00PM |
| *Surrogate: 2,4,6-Tribromophenol* | *72.7 %* | | | *20-135* | | *1130149* | 7/24/2011 11:32:00PM |
| *Surrogate: Terphenyl-d14* | *98.0 %* | | | *30-150* | | *1130149* | 7/24/2011 11:32:00PM |

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST
# CHAIN OF CUSTODY

Internal Lab Order Number: 11G0469

Purchase Order No.: 0075002

Client Project:

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc
Address: 711 E Monument
City, State, Zip: Dayton, OH 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No: Fax No:

Date Results Req: Rush Charges Authorized? ☐ Yes ☐ No Fax Results ☐

Special Instructions:

Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☑ RCRA
☐ SDWA
☐ VAP
☐ Other
Collected in State of Ohio

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | VOCs (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | SVOCs (2.5L) (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | RCRA Metals (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | PCBs (1L) (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | TCLP (VOCs, SVOCs, Metals) (2x4g) (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | (HNO3, HCl, H2SO4, ICE, NONE, OTHER) | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-WC - Drum 1 - 07/12/11 | 07/12/11 | 1200 | | X | WW | 5 | X | X | X | X | | | | | |
| TT-WC - Drum 2,3,4 - 07/12/11 | 07/12/11 | 1200 | X | | S | 2 | | | | | X | | | | |
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CHAIN OF CUSTODY (If required)
Relinquished by: [signature] Date/Time 07/12/11 16:55 Received by: Date/Time
Relinquished by: Date/Time Received at lab by: [signature] Date/Time 7/12/11 16:55
Method of Shipment: WE Cooler Temp. 1°C Custody Seals ☐ Yes ☒ No

Sampled by: [signature] Date 07/12/11

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

Houston Business Forms - Form #14

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130006 - PREP_ICP_W** | | | | | | | | | | |
| **Blank (1130006-BLK1)** | | | | Prepared: 07/15/11 Analyzed: 07/17/11 | | | | | | |
| Arsenic | BDL | 0.00500 | mg/L | | | | | | | |
| Barium | BDL | 0.00500 | mg/L | | | | | | | |
| Cadmium | BDL | 0.000500 | mg/L | | | | | | | |
| Chromium | BDL | 0.00500 | mg/L | | | | | | | |
| Lead | BDL | 0.00500 | mg/L | | | | | | | |
| Selenium | BDL | 0.0100 | mg/L | | | | | | | |
| Silver | BDL | 0.000500 | mg/L | | | | | | | |
| **LCS (1130006-BS1)** | | | | Prepared: 07/15/11 Analyzed: 07/17/11 | | | | | | |
| Arsenic | 1.04 | 0.00500 | mg/L | 1.000 | | 104 | 85-115 | | | |
| Barium | 1.08 | 0.00500 | mg/L | 1.000 | | 108 | 85-115 | | | |
| Cadmium | 1.02 | 0.000500 | mg/L | 1.000 | | 102 | 85-115 | | | |
| Chromium | 1.03 | 0.00500 | mg/L | 1.000 | | 103 | 85-115 | | | |
| Lead | 1.05 | 0.00500 | mg/L | 1.000 | | 105 | 85-115 | | | |
| Selenium | 1.05 | 0.0100 | mg/L | 1.000 | | 105 | 85-115 | | | |
| Silver | 0.895 | 0.000500 | mg/L | 1.000 | | 89.5 | 85-115 | | | |
| **LCS Dup (1130006-BSD1)** | | | | Prepared: 07/15/11 Analyzed: 07/17/11 | | | | | | |
| Arsenic | 1.04 | 0.00500 | mg/L | 1.000 | | 104 | 85-115 | 0.00 | 20 | |
| Barium | 1.07 | 0.00500 | mg/L | 1.000 | | 107 | 85-115 | 0.930 | 20 | |
| Cadmium | 1.02 | 0.000500 | mg/L | 1.000 | | 102 | 85-115 | 0.00 | 20 | |
| Chromium | 1.02 | 0.00500 | mg/L | 1.000 | | 102 | 85-115 | 0.976 | 20 | |
| Lead | 1.05 | 0.00500 | mg/L | 1.000 | | 105 | 85-115 | 0.00 | 20 | |
| Selenium | 1.05 | 0.0100 | mg/L | 1.000 | | 105 | 85-115 | 0.00 | 20 | |
| Silver | 0.891 | 0.000500 | mg/L | 1.000 | | 89.1 | 85-115 | 0.448 | 20 | |
| **Matrix Spike (1130006-MS1)** | **Source: 11G0454-03** | | | Prepared: 07/15/11 Analyzed: 07/17/11 | | | | | | |
| Arsenic | 1.03 | 0.00500 | mg/L | 1.000 | 0.00240 | 103 | 75-125 | | | |
| Barium | 1.23 | 0.00500 | mg/L | 1.000 | 0.186 | 104 | 75-125 | | | |
| Cadmium | 0.983 | 0.000500 | mg/L | 1.000 | ND | 98.3 | 75-125 | | | |
| Chromium | 1.00 | 0.00500 | mg/L | 1.000 | 0.00924 | 99.1 | 75-125 | | | |
| Lead | 1.01 | 0.00500 | mg/L | 1.000 | ND | 101 | 75-125 | | | |
| Selenium | 1.01 | 0.0100 | mg/L | 1.000 | ND | 101 | 75-125 | | | |
| Silver | 0.865 | 0.000500 | mg/L | 1.000 | 0.000700 | 86.4 | 75-125 | | | |

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130006 - PREP_ICP_W** | | | | | | | | | | |
| **Matrix Spike Dup (1130006-MSD1)** | **Source: 11G0454-03** | | | Prepared: 07/15/11 Analyzed: 07/17/11 | | | | | | |
| Arsenic | 1.02 | 0.00500 | mg/L | 1.000 | 0.00240 | 102 | 75-125 | 0.976 | 20 | |
| Barium | 1.22 | 0.00500 | mg/L | 1.000 | 0.186 | 103 | 75-125 | 0.816 | 20 | |
| Cadmium | 0.974 | 0.000500 | mg/L | 1.000 | ND | 97.4 | 75-125 | 0.920 | 20 | |
| Chromium | 0.989 | 0.00500 | mg/L | 1.000 | 0.00924 | 98.0 | 75-125 | 1.11 | 20 | |
| Lead | 0.999 | 0.00500 | mg/L | 1.000 | ND | 99.9 | 75-125 | 1.10 | 20 | |
| Selenium | 1.01 | 0.0100 | mg/L | 1.000 | ND | 101 | 75-125 | 0.00 | 20 | |
| Silver | 0.857 | 0.000500 | mg/L | 1.000 | 0.000700 | 85.6 | 75-125 | 0.929 | 20 | |

## TCLP Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130032 - PREP_ICP_TCLP** | | | | | | | | | | |
| **Blank (1130032-BLK1)** | | | | Prepared: 07/18/11 Analyzed: 07/19/11 | | | | | | |
| TCLP Arsenic | BDL | 0.100 | mg/L | | | | | | | |
| TCLP Barium | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Cadmium | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Chromium | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Lead | BDL | 0.0500 | mg/L | | | | | | | |
| TCLP Selenium | BDL | 0.100 | mg/L | | | | | | | |
| TCLP Silver | BDL | 0.0100 | mg/L | | | | | | | |
| **LCS (1130032-BS1)** | | | | Prepared & Analyzed: 07/18/11 | | | | | | |
| TCLP Arsenic | 1.00 | 0.100 | mg/L | 1.000 | | 100 | 85-115 | | | |
| TCLP Barium | 0.979 | 0.0100 | mg/L | 1.000 | | 97.9 | 85-115 | | | |
| TCLP Cadmium | 1.02 | 0.0100 | mg/L | 1.000 | | 102 | 85-115 | | | |
| TCLP Chromium | 1.02 | 0.0100 | mg/L | 1.000 | | 102 | 85-115 | | | |
| TCLP Lead | 1.04 | 0.0500 | mg/L | 1.000 | | 104 | 85-115 | | | |
| TCLP Selenium | 1.01 | 0.100 | mg/L | 1.000 | | 101 | 85-115 | | | |
| TCLP Silver | 0.986 | 0.0100 | mg/L | 1.000 | | 98.6 | 85-115 | | | |
| **LCS Dup (1130032-BSD1)** | | | | Prepared & Analyzed: 07/18/11 | | | | | | |
| TCLP Arsenic | 1.01 | 0.100 | mg/L | 1.000 | | 101 | 85-115 | 0.995 | 20 | |
| TCLP Barium | 0.966 | 0.0100 | mg/L | 1.000 | | 96.6 | 85-115 | 1.34 | 20 | |
| TCLP Cadmium | 1.02 | 0.0100 | mg/L | 1.000 | | 102 | 85-115 | 0.00 | 20 | |
| TCLP Chromium | 1.03 | 0.0100 | mg/L | 1.000 | | 103 | 85-115 | 0.976 | 20 | |
| TCLP Lead | 1.04 | 0.0500 | mg/L | 1.000 | | 104 | 85-115 | 0.00 | 20 | |
| TCLP Selenium | 1.02 | 0.100 | mg/L | 1.000 | | 102 | 85-115 | 0.985 | 20 | |
| TCLP Silver | 0.972 | 0.0100 | mg/L | 1.000 | | 97.2 | 85-115 | 1.43 | 20 | |
| **Matrix Spike (1130032-MS1)** | **Source: 11G0427-01** | | | Prepared & Analyzed: 07/18/11 | | | | | | |
| TCLP Arsenic | 0.987 | 0.100 | mg/L | 1.000 | 0.00498 | 98.2 | 75-125 | | | |
| TCLP Barium | 1.97 | 0.0100 | mg/L | 1.000 | 1.11 | 86.0 | 75-125 | | | |
| TCLP Cadmium | 0.923 | 0.0100 | mg/L | 1.000 | 0.000770 | 92.2 | 75-125 | | | |
| TCLP Chromium | 0.920 | 0.0100 | mg/L | 1.000 | 0.00153 | 91.8 | 75-125 | | | |
| TCLP Lead | 0.957 | 0.0500 | mg/L | 1.000 | 0.0206 | 93.6 | 75-125 | | | |
| TCLP Selenium | 0.991 | 0.100 | mg/L | 1.000 | 0.00537 | 98.6 | 75-125 | | | |
| TCLP Silver | 0.896 | 0.0100 | mg/L | 1.000 | ND | 89.6 | 75-125 | | | |

## TCLP Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130032 - PREP_ICP_TCLP** | | | | | | | | | | |
| **Matrix Spike Dup (1130032-MSD1)** | **Source: 11G0427-01** | | | Prepared & Analyzed: 07/18/11 | | | | | | |
| TCLP Arsenic | 1.02 | 0.100 | mg/L | 1.000 | 0.00498 | 102 | 75-125 | 3.29 | 20 | |
| TCLP Barium | 2.03 | 0.0100 | mg/L | 1.000 | 1.11 | 92.0 | 75-125 | 3.00 | 20 | |
| TCLP Cadmium | 0.948 | 0.0100 | mg/L | 1.000 | 0.000770 | 94.7 | 75-125 | 2.67 | 20 | |
| TCLP Chromium | 0.946 | 0.0100 | mg/L | 1.000 | 0.00153 | 94.4 | 75-125 | 2.79 | 20 | |
| TCLP Lead | 0.983 | 0.0500 | mg/L | 1.000 | 0.0206 | 96.2 | 75-125 | 2.68 | 20 | |
| TCLP Selenium | 1.02 | 0.100 | mg/L | 1.000 | 0.00537 | 101 | 75-125 | 2.88 | 20 | |
| TCLP Silver | 0.914 | 0.0100 | mg/L | 1.000 | ND | 91.4 | 75-125 | 1.99 | 20 | |

## TCLP Metals by 6000/7000 Series Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130215 - PREP_HG_TCLP** | | | | | | | | | | |
| **Blank (1130215-BLK1)** | | | | Prepared & Analyzed: 07/21/11 | | | | | | |
| TCLP Mercury | BDL | 0.000200 | mg/L | | | | | | | |
| **LCS (1130215-BS1)** | | | | Prepared & Analyzed: 07/21/11 | | | | | | |
| TCLP Mercury | 0.00640 | 0.000200 | mg/L | 0.006250 | | 102 | 80-120 | | | |
| **LCS Dup (1130215-BSD1)** | | | | Prepared & Analyzed: 07/21/11 | | | | | | |
| TCLP Mercury | 0.00625 | 0.000200 | mg/L | 0.006250 | | 100 | 80-120 | 2.37 | 20 | |
| **Matrix Spike (1130215-MS1)** | **Source: 11G0469-02** | | | Prepared & Analyzed: 07/21/11 | | | | | | |
| TCLP Mercury | 0.00636 | 0.000200 | mg/L | 0.006250 | ND | 102 | 70-130 | | | |
| **Matrix Spike Dup (1130215-MSD1)** | **Source: 11G0469-02** | | | Prepared & Analyzed: 07/21/11 | | | | | | |
| TCLP Mercury | 0.00633 | 0.000200 | mg/L | 0.006250 | ND | 101 | 70-130 | 0.473 | 30 | |

## Mercury Analysis - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130240 - PREP_HG_W** | | | | | | | | | | |
| **Blank (1130240-BLK1)** | | | | Prepared: 07/21/11 Analyzed: 07/22/11 | | | | | | |
| Mercury | BDL | 0.000200 | mg/L | | | | | | | |
| **LCS (1130240-BS1)** | | | | Prepared: 07/21/11 Analyzed: 07/22/11 | | | | | | |
| Mercury | 0.00603 | 0.000200 | mg/L | 0.006250 | | 96 | 80-120 | | | |
| **LCS Dup (1130240-BSD1)** | | | | Prepared: 07/21/11 Analyzed: 07/22/11 | | | | | | |
| Mercury | 0.00586 | 0.000200 | mg/L | 0.006250 | | 94 | 80-120 | 3 | 20 | |
| **Matrix Spike (1130240-MS1)** | | **Source: 11G0738-01** | | Prepared: 07/21/11 Analyzed: 07/22/11 | | | | | | |
| Mercury | 0.00606 | 0.000200 | mg/L | 0.006250 | 0.0000254 | 97 | 70-130 | | | |
| **Matrix Spike Dup (1130240-MSD1)** | | **Source: 11G0738-01** | | Prepared: 07/21/11 Analyzed: 07/22/11 | | | | | | |
| Mercury | 0.00605 | 0.000200 | mg/L | 0.006250 | 0.0000254 | 96 | 70-130 | 0.2 | 30 | |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129281 - PREP_PP_W** | | | | | | | | | | |
| **Blank (1129281-BLK1)** | | | | Prepared: 07/15/11 Analyzed: 07/18/11 | | | | | | |
| Aroclor 1016 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1221 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1232 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1242 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1248 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1254 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1260 | BDL | 0.500 | ug/L | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.470* | | *ug/L* | *0.5000* | | *94.0* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.300* | | *ug/L* | *0.5000* | | *60.0* | *28-127* | | | |
| **LCS (1129281-BS1)** | | | | Prepared: 07/15/11 Analyzed: 07/18/11 | | | | | | |
| Aroclor 1016 | 4.43 | 0.500 | ug/L | 5.000 | | 88.6 | 50-170 | | | |
| Aroclor 1260 | 4.45 | 0.500 | ug/L | 5.000 | | 89.0 | 53-163 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.550* | | *ug/L* | *0.5000* | | *110* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.300* | | *ug/L* | *0.5000* | | *60.0* | *28-127* | | | |
| **LCS Dup (1129281-BSD1)** | | | | Prepared: 07/15/11 Analyzed: 07/18/11 | | | | | | |
| Aroclor 1016 | 3.98 | 0.500 | ug/L | 5.000 | | 79.6 | 50-170 | 10.7 | 19 | |
| Aroclor 1260 | 3.38 | 0.500 | ug/L | 5.000 | | 67.6 | 53-163 | 27.3 | 22 | R |
| *Surrogate: Decachlorobiphenyl* | *0.400* | | *ug/L* | *0.5000* | | *80.0* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.250* | | *ug/L* | *0.5000* | | *50.0* | *28-127* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129261 - VOC PREP** | | | | | | | | | | |
| **Blank (1129261-BLK1)** | | | | Prepared & Analyzed: 07/14/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dibromoethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 1,3-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2-Butanone | BDL | 20.0 | ug/L | | | | | | | |
| 2-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 2-Hexanone | BDL | 20.0 | ug/L | | | | | | | |
| 4-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone | BDL | 20.0 | ug/L | | | | | | | |
| Acetone | BDL | 20.0 | ug/L | | | | | | | |
| Acetonitrile | BDL | 40.0 | ug/L | | | | | | | |
| Acrolein | BDL | 20.0 | ug/L | | | | | | | |
| Acrylonitrile | BDL | 20.0 | ug/L | | | | | | | |
| Allyl chloride | BDL | 5.00 | ug/L | | | | | | | |
| Benzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromodichloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromoform | BDL | 5.00 | ug/L | | | | | | | |
| Bromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Carbon Disulfide | BDL | 20.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | BDL | 5.00 | ug/L | | | | | | | |
| Chlorobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Chloroethane | BDL | 5.00 | ug/L | | | | | | | |
| Chloroform | BDL | 5.00 | ug/L | | | | | | | |
| Chloromethane | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Dibromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Dibromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Dichlorodifluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Ethylbenzene | BDL | 5.00 | ug/L | | | | | | | |
| Iodomethane | BDL | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | BDL | 5.00 | ug/L | | | | | | | |
| Methyl tert-Butyl Ether | BDL | 10.0 | ug/L | | | | | | | |
| Naphthalene | BDL | 10.0 | ug/L | | | | | | | |
| n-Butylbenzene | BDL | 5.00 | ug/L | | | | | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129261 - VOC PREP** | | | | | | | | | | |
| **Blank (1129261-BLK1)** | | | | Prepared & Analyzed: 07/14/11 | | | | | | |
| o-Xylene | BDL | 5.00 | ug/L | | | | | | | |
| Styrene | BDL | 5.00 | ug/L | | | | | | | |
| Tetrachloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Toluene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Trichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Trichlorofluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Vinyl Chloride | BDL | 1.00 | ug/L | | | | | | | |
| Vinyl acetate | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.4* | | *ug/L* | *50.00* | | *98.9* | *41-140* | | | |
| *Surrogate: Dibromofluoromethane* | *53.6* | | *ug/L* | *50.00* | | *107* | *34-158* | | | |
| *Surrogate: Toluene-d8* | *53.5* | | *ug/L* | *50.00* | | *107* | *47-147* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.1* | | *ug/L* | *50.00* | | *102* | *29-163* | | | |
| **LCS (1129261-BS1)** | | | | Prepared & Analyzed: 07/14/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 21.3 | 5.00 | ug/L | 20.00 | | 107 | 78-128 | | | |
| 1,1,1-Trichloroethane | 22.8 | 5.00 | ug/L | 20.00 | | 114 | 70-135 | | | |
| 1,1,2,2-Tetrachloroethane | 19.9 | 5.00 | ug/L | 20.00 | | 99.4 | 68-135 | | | |
| 1,1,2-Trichloroethane | 20.4 | 5.00 | ug/L | 20.00 | | 102 | 74-131 | | | |
| 1,1-Dichloroethane | 21.4 | 5.00 | ug/L | 20.00 | | 107 | 72-134 | | | |
| 1,1-Dichloroethene | 23.9 | 5.00 | ug/L | 20.00 | | 120 | 62-143 | | | |
| 1,1-Dichloropropene | 22.7 | 5.00 | ug/L | 20.00 | | 114 | 82-128 | | | |
| 1,2-Dibromoethane | 20.2 | 5.00 | ug/L | 20.00 | | 101 | 67-132 | | | |
| 1,2-Dichloroethane | 20.8 | 5.00 | ug/L | 20.00 | | 104 | 72-131 | | | |
| 1,2-Dichloropropane | 21.1 | 5.00 | ug/L | 20.00 | | 105 | 75-128 | | | |
| 1,3-Dichloropropane | 21.0 | 5.00 | ug/L | 20.00 | | 105 | 73-130 | | | |
| 2,2-Dichloropropane | 23.5 | 5.00 | ug/L | 20.00 | | 118 | 45-173 | | | |
| 2-Butanone | 76.9 | 20.0 | ug/L | 80.00 | | 96.1 | 42-140 | | | |
| 2-Chlorotoluene | 21.2 | 5.00 | ug/L | 20.00 | | 106 | 76-126 | | | |
| 2-Hexanone | 78.3 | 20.0 | ug/L | 80.00 | | 97.9 | 18-178 | | | |
| 4-Chlorotoluene | 20.8 | 5.00 | ug/L | 20.00 | | 104 | 77-132 | | | |
| 4-Methyl-2-pentanone | 82.1 | 20.0 | ug/L | 80.00 | | 103 | 42-160 | | | |
| Acetone | 70.7 | 20.0 | ug/L | 80.00 | | 88.4 | 30-173 | | | |
| Acetonitrile | 19.3 | 40.0 | ug/L | 20.00 | | 96.7 | 58-150 | | | |
| Acrolein | 25.5 | 20.0 | ug/L | 40.00 | | 63.7 | 51-186 | | | |
| Acrylonitrile | 18.9 | 20.0 | ug/L | 20.00 | | 94.4 | 64-153 | | | |
| Allyl chloride | 22.0 | 5.00 | ug/L | 20.00 | | 110 | 67-149 | | | |
| Benzene | 21.3 | 5.00 | ug/L | 20.00 | | 106 | 77-126 | | | |
| Bromobenzene | 20.7 | 5.00 | ug/L | 20.00 | | 103 | 72-131 | | | |
| Bromochloromethane | 21.2 | 5.00 | ug/L | 20.00 | | 106 | 71-135 | | | |
| Bromodichloromethane | 21.0 | 5.00 | ug/L | 20.00 | | 105 | 78-129 | | | |
| Bromoform | 20.3 | 5.00 | ug/L | 20.00 | | 102 | 69-135 | | | |
| Bromomethane | 23.2 | 5.00 | ug/L | 20.00 | | 116 | 14-193 | | | |
| Carbon Disulfide | 24.2 | 20.0 | ug/L | 20.00 | | 121 | 54-150 | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129261 - VOC PREP** | | | | | | | | | | |
| **LCS (1129261-BS1)** | | | | Prepared & Analyzed: 07/14/11 | | | | | | |
| Carbon Tetrachloride | 23.0 | 5.00 | ug/L | 20.00 | | 115 | 67-138 | | | |
| Chlorobenzene | 21.6 | 5.00 | ug/L | 20.00 | | 108 | 77-125 | | | |
| Chloroethane | 18.7 | 5.00 | ug/L | 20.00 | | 93.7 | 27-170 | | | |
| Chloroform | 21.4 | 5.00 | ug/L | 20.00 | | 107 | 73-136 | | | |
| Chloromethane | 18.1 | 5.00 | ug/L | 20.00 | | 90.6 | 44-145 | | | |
| cis-1,2-Dichloroethene | 21.1 | 5.00 | ug/L | 20.00 | | 105 | 77-137 | | | |
| cis-1,3-Dichloropropene | 21.1 | 5.00 | ug/L | 20.00 | | 106 | 70-133 | | | |
| Dibromochloromethane | 20.8 | 5.00 | ug/L | 20.00 | | 104 | 68-131 | | | |
| Dibromomethane | 20.6 | 5.00 | ug/L | 20.00 | | 103 | 74-129 | | | |
| Dichlorodifluoromethane | 17.7 | 5.00 | ug/L | 20.00 | | 88.6 | 41-145 | | | |
| Ethylbenzene | 22.0 | 5.00 | ug/L | 20.00 | | 110 | 79-126 | | | |
| Iodomethane | 16.0 | 10.0 | ug/L | 20.00 | | 80.2 | 52-150 | | | |
| Methylene Chloride | 18.0 | 5.00 | ug/L | 20.00 | | 90.2 | 43-162 | | | |
| Methyl tert-Butyl Ether | 19.9 | 10.0 | ug/L | 20.00 | | 99.6 | 63-134 | | | |
| m,p-Xylene | 44.5 | 10.0 | ug/L | 40.00 | | 111 | 82-132 | | | |
| [illegible]ane | 35.2 | 5.00 | ug/L | 27.90 | | 126 | 10-216 | | | |
| [illegible]e | 20.9 | 5.00 | ug/L | 20.00 | | 104 | 81-128 | | | |
| Styrene | 20.5 | 5.00 | ug/L | 20.00 | | 103 | 81-129 | | | |
| Tetrachloroethene | 22.1 | 5.00 | ug/L | 20.00 | | 110 | 43-152 | | | |
| Toluene | 21.6 | 5.00 | ug/L | 20.00 | | 108 | 79-128 | | | |
| trans-1,2-Dichloroethene | 21.8 | 5.00 | ug/L | 20.00 | | 109 | 60-144 | | | |
| trans-1,3-Dichloropropene | 21.1 | 5.00 | ug/L | 20.00 | | 105 | 67-138 | | | |
| Trichloroethene | 22.4 | 5.00 | ug/L | 20.00 | | 112 | 74-132 | | | |
| Trichlorofluoromethane | 19.7 | 5.00 | ug/L | 20.00 | | 98.6 | 48-170 | | | |
| Vinyl Chloride | 19.6 | 1.00 | ug/L | 20.00 | | 98.2 | 60-143 | | | |
| Vinyl acetate | 21.1 | 10.0 | ug/L | 20.00 | | 105 | 16-196 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.0* | | *ug/L* | *50.00* | | *100* | *41-140* | | | |
| *Surrogate: Dibromofluoromethane* | *52.2* | | *ug/L* | *50.00* | | *104* | *34-158* | | | |
| *Surrogate: Toluene-d8* | *53.7* | | *ug/L* | *50.00* | | *107* | *47-147* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *48.6* | | *ug/L* | *50.00* | | *97.2* | *29-163* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129261 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1129261-BSD1)** | | | | Prepared & Analyzed: 07/14/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.8 | 5.00 | ug/L | 20.00 | | 104 | 78-128 | 2.42 | 16 | |
| 1,1,1-Trichloroethane | 22.4 | 5.00 | ug/L | 20.00 | | 112 | 70-135 | 1.73 | 20 | |
| 1,1,2,2-Tetrachloroethane | 20.5 | 5.00 | ug/L | 20.00 | | 102 | 68-135 | 3.02 | 19 | |
| 1,1,2-Trichloroethane | 21.2 | 5.00 | ug/L | 20.00 | | 106 | 74-131 | 3.95 | 16 | |
| 1,1-Dichloroethane | 21.4 | 5.00 | ug/L | 20.00 | | 107 | 72-134 | 0.0468 | 19 | |
| 1,1-Dichloroethene | 18.6 | 5.00 | ug/L | 20.00 | | 92.8 | 62-143 | 25.2 | 20 | R |
| 1,1-Dichloropropene | 22.0 | 5.00 | ug/L | 20.00 | | 110 | 82-128 | 3.40 | 18 | |
| 1,2-Dibromoethane | 20.2 | 5.00 | ug/L | 20.00 | | 101 | 67-132 | 0.248 | 13 | |
| 1,2-Dichloroethane | 21.2 | 5.00 | ug/L | 20.00 | | 106 | 72-131 | 2.14 | 16 | |
| 1,2-Dichloropropane | 21.2 | 5.00 | ug/L | 20.00 | | 106 | 75-128 | 0.473 | 19 | |
| 1,3-Dichloropropane | 21.3 | 5.00 | ug/L | 20.00 | | 106 | 73-130 | 1.47 | 13 | |
| 2,2-Dichloropropane | 23.1 | 5.00 | ug/L | 20.00 | | 115 | 45-173 | 1.98 | 25 | |
| 2-Butanone | 83.2 | 20.0 | ug/L | 80.00 | | 104 | 42-140 | 7.96 | 18 | |
| 2-Chlorotoluene | 20.9 | 5.00 | ug/L | 20.00 | | 104 | 76-126 | 1.24 | 20 | |
| 2-Hexanone | 81.8 | 20.0 | ug/L | 80.00 | | 102 | 18-178 | 4.35 | 17 | |
| 4-Chlorotoluene | 19.9 | 5.00 | ug/L | 20.00 | | 99.6 | 77-132 | 4.18 | 22 | |
| 4-Methyl-2-pentanone | 83.7 | 20.0 | ug/L | 80.00 | | 105 | 42-160 | 1.95 | 67 | |
| Acetone | 77.9 | 20.0 | ug/L | 80.00 | | 97.4 | 30-173 | 9.71 | 24 | |
| Acetonitrile | 19.7 | 40.0 | ug/L | 20.00 | | 98.3 | 58-150 | 1.64 | 25 | |
| Acrolein | 34.0 | 20.0 | ug/L | 40.00 | | 84.9 | 51-186 | 28.5 | 19 | R |
| Acrylonitrile | 20.2 | 20.0 | ug/L | 20.00 | | 101 | 64-153 | 6.96 | 20 | |
| Allyl chloride | 22.1 | 5.00 | ug/L | 20.00 | | 110 | 67-149 | 0.363 | 16 | |
| Benzene | 20.9 | 5.00 | ug/L | 20.00 | | 104 | 77-126 | 1.85 | 19 | |
| Bromobenzene | 20.2 | 5.00 | ug/L | 20.00 | | 101 | 72-131 | 2.45 | 20 | |
| Bromochloromethane | 21.1 | 5.00 | ug/L | 20.00 | | 106 | 71-135 | 0.189 | 16 | |
| Bromodichloromethane | 21.2 | 5.00 | ug/L | 20.00 | | 106 | 78-129 | 0.568 | 17 | |
| Bromoform | 20.5 | 5.00 | ug/L | 20.00 | | 102 | 69-135 | 0.882 | 18 | |
| Bromomethane | 22.5 | 5.00 | ug/L | 20.00 | | 113 | 14-193 | 2.93 | 28 | |
| Carbon Disulfide | 20.4 | 20.0 | ug/L | 20.00 | | 102 | 54-150 | 17.1 | 19 | |
| Carbon Tetrachloride | 21.9 | 5.00 | ug/L | 20.00 | | 110 | 67-138 | 5.07 | 21 | |
| Chlorobenzene | 20.9 | 5.00 | ug/L | 20.00 | | 104 | 77-125 | 3.58 | 19 | |
| Chloroethane | 18.2 | 5.00 | ug/L | 20.00 | | 91.2 | 27-170 | 2.65 | 64 | |
| Chloroform | 21.5 | 5.00 | ug/L | 20.00 | | 108 | 73-136 | 0.419 | 19 | |
| Chloromethane | 18.0 | 5.00 | ug/L | 20.00 | | 90.2 | 44-145 | 0.498 | 26 | |
| cis-1,2-Dichloroethene | 21.4 | 5.00 | ug/L | 20.00 | | 107 | 77-137 | 1.69 | 17 | |
| cis-1,3-Dichloropropene | 21.2 | 5.00 | ug/L | 20.00 | | 106 | 70-133 | 0.519 | 19 | |
| Dibromochloromethane | 20.6 | 5.00 | ug/L | 20.00 | | 103 | 68-131 | 0.724 | 18 | |
| Dibromomethane | 20.7 | 5.00 | ug/L | 20.00 | | 104 | 74-129 | 0.775 | 16 | |
| Dichlorodifluoromethane | 17.0 | 5.00 | ug/L | 20.00 | | 84.9 | 41-145 | 4.27 | 15 | |
| Ethylbenzene | 21.5 | 5.00 | ug/L | 20.00 | | 107 | 79-126 | 2.62 | 20 | |
| Iodomethane | 15.9 | 10.0 | ug/L | 20.00 | | 79.6 | 52-150 | 0.750 | 25 | |
| Methylene Chloride | 18.3 | 5.00 | ug/L | 20.00 | | 91.5 | 43-162 | 1.38 | 28 | |
| Methyl tert-Butyl Ether | 20.6 | 10.0 | ug/L | 20.00 | | 103 | 63-134 | 3.36 | 20 | |
| m,p-Xylene | 43.9 | 10.0 | ug/L | 40.00 | | 110 | 82-132 | 1.45 | 18 | |
| n-Hexane | 33.2 | 5.00 | ug/L | 27.90 | | 119 | 10-216 | 5.62 | 64 | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129261 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1129261-BSD1)** | | | | Prepared & Analyzed: 07/14/11 | | | | | | |
| o-Xylene | 20.2 | 5.00 | ug/L | 20.00 | | 101 | 81-128 | 3.46 | 19 | |
| Styrene | 20.4 | 5.00 | ug/L | 20.00 | | 102 | 81-129 | 0.587 | 17 | |
| Tetrachloroethene | 23.3 | 5.00 | ug/L | 20.00 | | 117 | 43-152 | 5.59 | 29 | |
| Toluene | 21.0 | 5.00 | ug/L | 20.00 | | 105 | 79-128 | 2.91 | 19 | |
| trans-1,2-Dichloroethene | 21.3 | 5.00 | ug/L | 20.00 | | 106 | 60-144 | 2.23 | 20 | |
| trans-1,3-Dichloropropene | 21.6 | 5.00 | ug/L | 20.00 | | 108 | 67-138 | 2.48 | 17 | |
| Trichloroethene | 21.4 | 5.00 | ug/L | 20.00 | | 107 | 74-132 | 4.70 | 20 | |
| Trichlorofluoromethane | 19.6 | 5.00 | ug/L | 20.00 | | 98.2 | 48-170 | 0.406 | 50 | |
| Vinyl Chloride | 19.0 | 1.00 | ug/L | 20.00 | | 95.2 | 60-143 | 3.15 | 19 | |
| Vinyl acetate | 21.3 | 10.0 | ug/L | 20.00 | | 107 | 16-196 | 1.23 | 45 | |
| *Surrogate: 4-Bromofluorobenzene* | *50.1* | | *ug/L* | *50.00* | | *100* | *41-140* | | | |
| *Surrogate: Dibromofluoromethane* | *53.9* | | *ug/L* | *50.00* | | *108* | *34-158* | | | |
| *Surrogate: Toluene-d8* | *54.3* | | *ug/L* | *50.00* | | *109* | *47-147* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.9* | | *ug/L* | *50.00* | | *99.8* | *29-163* | | | |
| **Batch 1131071 - VOC_PREP_TCLP** | | | | | | | | | | |
| **(1131071-BLK1)** | | | | Prepared & Analyzed: 07/20/11 | | | | | | |
| TCLP 1,1-Dichloroethene | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP 1,2-Dichloroethane | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP 2-Butanone | BDL | 0.0200 | mg/L | | | | | | | |
| TCLP Benzene | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP Carbon tetrachloride | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP Chlorobenzene | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP Chloroform | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP Vinyl chloride | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP Trichloroethene | BDL | 0.00500 | mg/L | | | | | | | |
| TCLP Tetrachloroethene | BDL | 0.00500 | mg/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.4* | | *ug/L* | *50.00* | | *94.8* | *41-140* | | | |
| *Surrogate: Dibromofluoromethane* | *46.9* | | *ug/L* | *50.00* | | *93.8* | *34-158* | | | |
| *Surrogate: Toluene-d8* | *46.0* | | *ug/L* | *50.00* | | *91.9* | *47-147* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *47.9* | | *ug/L* | *50.00* | | *95.8* | *29-163* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1131071 - VOC_PREP_TCLP** | | | | | | | | | | |
| **LCS (1131071-BS1)** | | | | Prepared & Analyzed: 07/20/11 | | | | | | |
| TCLP 1,1-Dichloroethene | 0.0182 | 0.00500 | mg/L | 0.02000 | | 90.9 | 62-142 | | | |
| TCLP 1,2-Dichloroethane | 0.0206 | 0.00500 | mg/L | 0.02000 | | 103 | 70-142 | | | |
| TCLP 2-Butanone | 0.0817 | 0.0200 | mg/L | 0.08000 | | 102 | 44-120 | | | |
| TCLP Benzene | 0.0199 | 0.00500 | mg/L | 0.02000 | | 99.3 | 64-138 | | | |
| TCLP Carbon tetrachloride | 0.0194 | 0.00500 | mg/L | 0.02000 | | 97.1 | 49-148 | | | |
| TCLP Chlorobenzene | 0.0205 | 0.00500 | mg/L | 0.02000 | | 102 | 70-135 | | | |
| TCLP Chloroform | 0.0209 | 0.00500 | mg/L | 0.02000 | | 105 | 64-134 | | | |
| TCLP Vinyl chloride | 0.0207 | 0.00500 | mg/L | 0.02000 | | 104 | 45-149 | | | |
| TCLP Trichloroethene | 0.0192 | 0.00500 | mg/L | 0.02000 | | 96.2 | 65-136 | | | |
| TCLP Tetrachloroethene | 0.0160 | 0.00500 | mg/L | 0.02000 | | 79.8 | 41-161 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *50.6* | | *ug/L* | *50.00* | | *101* | *41-140* | | | |
| *Surrogate: Dibromofluoromethane* | *47.6* | | *ug/L* | *50.00* | | *95.2* | *34-158* | | | |
| *Surrogate: Toluene-d8* | *46.3* | | *ug/L* | *50.00* | | *92.5* | *47-147* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.1* | | *ug/L* | *50.00* | | *100* | *29-163* | | | |
| **LCS Dup (1131071-BSD1)** | | | | Prepared & Analyzed: 07/20/11 | | | | | | |
| TCLP 1,1-Dichloroethene | 0.0226 | 0.00500 | mg/L | 0.02000 | | 113 | 62-142 | 21.6 | 20 | R |
| TCLP 1,2-Dichloroethane | 0.0207 | 0.00500 | mg/L | 0.02000 | | 104 | 70-142 | 0.484 | 18 | |
| TCLP 2-Butanone | 0.0768 | 0.0200 | mg/L | 0.08000 | | 96.0 | 44-120 | 6.15 | 29 | |
| TCLP Benzene | 0.0211 | 0.00500 | mg/L | 0.02000 | | 106 | 64-138 | 6.05 | 25 | |
| TCLP Carbon tetrachloride | 0.0206 | 0.00500 | mg/L | 0.02000 | | 103 | 49-148 | 5.75 | 34 | |
| TCLP Chlorobenzene | 0.0208 | 0.00500 | mg/L | 0.02000 | | 104 | 70-135 | 1.79 | 21 | |
| TCLP Chloroform | 0.0210 | 0.00500 | mg/L | 0.02000 | | 105 | 64-134 | 0.619 | 28 | |
| TCLP Vinyl chloride | 0.0208 | 0.00500 | mg/L | 0.02000 | | 104 | 45-149 | 0.481 | 27 | |
| TCLP Trichloroethene | 0.0201 | 0.00500 | mg/L | 0.02000 | | 100 | 65-136 | 4.27 | 23 | |
| TCLP Tetrachloroethene | 0.0180 | 0.00500 | mg/L | 0.02000 | | 90.2 | 41-161 | 12.2 | 40 | |
| *Surrogate: 4-Bromofluorobenzene* | *49.3* | | *ug/L* | *50.00* | | *98.6* | *41-140* | | | |
| *Surrogate: Dibromofluoromethane* | *47.1* | | *ug/L* | *50.00* | | *94.2* | *34-158* | | | |
| *Surrogate: Toluene-d8* | *46.9* | | *ug/L* | *50.00* | | *93.8* | *47-147* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.7* | | *ug/L* | *50.00* | | *99.4* | *29-163* | | | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129227 - PREP_SVOC_W** | | | | | | | | | | |
| **Blank (1129227-BLK1)** | | | | Prepared: 07/14/11 Analyzed: 07/19/11 | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | BDL | 10.0 | ug/L | | | | | | | |
| 1,2,4-Trichlorobenzene | BDL | 10.0 | ug/L | | | | | | | |
| 1,2-Dichlorobenzene | BDL | 10.0 | ug/L | | | | | | | |
| 1,2-Diphenylhydrazine | BDL | 10.0 | ug/L | | | | | | | |
| 1,3-Dichlorobenzene | BDL | 10.0 | ug/L | | | | | | | |
| 1,4-Dichlorobenzene | BDL | 10.0 | ug/L | | | | | | | |
| 2,3,4,6-Tetrachlorophenol | BDL | 10.0 | ug/L | | | | | | | |
| 2,4,5-Trichlorophenol | BDL | 10.0 | ug/L | | | | | | | |
| 2,4,6-Trichlorophenol | BDL | 10.0 | ug/L | | | | | | | |
| 2,4-Dichlorophenol | BDL | 10.0 | ug/L | | | | | | | |
| 2,4-Dimethylphenol | BDL | 10.0 | ug/L | | | | | | | |
| 2,4-Dinitrophenol | BDL | 10.0 | ug/L | | | | | | | |
| 2,4-Dinitrotoluene | BDL | 10.0 | ug/L | | | | | | | |
| 2,6-Dichlorophenol | BDL | 10.0 | ug/L | | | | | | | |
| 2,6-Dinitrotoluene | BDL | 10.0 | ug/L | | | | | | | |
| 2-Chloronaphthalene | BDL | 10.0 | ug/L | | | | | | | |
| 2-Chlorophenol | BDL | 10.0 | ug/L | | | | | | | |
| 2-Methylnaphthalene | BDL | 10.0 | ug/L | | | | | | | |
| 2-Methylphenol | BDL | 10.0 | ug/L | | | | | | | |
| 2-Nitrophenol | BDL | 10.0 | ug/L | | | | | | | |
| 3 & 4-Methylphenol | BDL | 10.0 | ug/L | | | | | | | |
| 4,6-Dinitro-2-methylphenol | BDL | 10.0 | ug/L | | | | | | | |
| 4-Bromophenyl phenyl ether | BDL | 10.0 | ug/L | | | | | | | |
| 4-Chloro-3-methylphenol | BDL | 10.0 | ug/L | | | | | | | |
| 4-Chlorophenyl phenyl ether | BDL | 10.0 | ug/L | | | | | | | |
| 4-Nitrophenol | BDL | 10.0 | ug/L | | | | | | | |
| Acenaphthene | BDL | 10.0 | ug/L | | | | | | | |
| Acenaphthylene | BDL | 10.0 | ug/L | | | | | | | |
| Acetophenone | BDL | 10.0 | ug/L | | | | | | | |
| Aniline | BDL | 10.0 | ug/L | | | | | | | |
| Anthracene | BDL | 10.0 | ug/L | | | | | | | |
| Benz(a)anthracene | BDL | 0.260 | ug/L | | | | | | | |
| Benzidine | BDL | 10.0 | ug/L | | | | | | | |
| Benzo(a)pyrene | BDL | 0.200 | ug/L | | | | | | | |
| Benzo(b)fluoranthene | BDL | 0.170 | ug/L | | | | | | | |
| Benzo(g,h,i)perylene | BDL | 10.0 | ug/L | | | | | | | |
| Benzo(k)fluoranthene | BDL | 1.70 | ug/L | | | | | | | |
| Benzyl Alcohol | BDL | 10.0 | ug/L | | | | | | | |
| Bis(2-chloroethoxy)methane | BDL | 10.0 | ug/L | | | | | | | |
| bis-(2-Chloroethyl)ether | BDL | 10.0 | ug/L | | | | | | | |
| Bis(2-chloroisopropyl)ether | BDL | 10.0 | ug/L | | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 6.00 | ug/L | | | | | | | |
| Butyl benzyl phthalate | BDL | 10.0 | ug/L | | | | | | | |
| Carbazole | BDL | 10.0 | ug/L | | | | | | | |
| Dibenz(a,h)anthracene | BDL | 0.200 | ug/L | | | | | | | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129227 - PREP_SVOC_W** | | | | | | | | | | |
| **Blank (1129227-BLK1)** | | | | Prepared: 07/14/11 Analyzed: 07/19/11 | | | | | | |
| Dibenzofuran | BDL | 10.0 | ug/L | | | | | | | |
| Diethyl phthalate | BDL | 10.0 | ug/L | | | | | | | |
| Dimethyl phthalate | BDL | 10.0 | ug/L | | | | | | | |
| Di-n-butyl phthalate | BDL | 10.0 | ug/L | | | | | | | |
| Di-n-octyl phthalate | BDL | 10.0 | ug/L | | | | | | | |
| Fluoranthene | BDL | 10.0 | ug/L | | | | | | | |
| Fluorene | BDL | 10.0 | ug/L | | | | | | | |
| Hexachlorobenzene | BDL | 10.0 | ug/L | | | | | | | |
| Hexachlorobutadiene | BDL | 10.0 | ug/L | | | | | | | |
| Hexachlorocyclopentadiene | BDL | 10.0 | ug/L | | | | | | | |
| Hexachloroethane | BDL | 10.0 | ug/L | | | | | | | |
| Hexachloropropene | BDL | 10.0 | ug/L | | | | | | | |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | ug/L | | | | | | | |
| Isophorone | BDL | 10.0 | ug/L | | | | | | | |
| Naphthalene | BDL | 10.0 | ug/L | | | | | | | |
| Nitrobenzene | BDL | 10.0 | ug/L | | | | | | | |
| N-Nitrosodimethylamine | BDL | 10.0 | ug/L | | | | | | | |
| N-Nitroso-di-n-butylamine | BDL | 10.0 | ug/L | | | | | | | |
| N-Nitrosodi-n-propylamine | BDL | 10.0 | ug/L | | | | | | | |
| N-Nitrosodiphenylamine | BDL | 10.0 | ug/L | | | | | | | |
| Pentachlorobenzene | BDL | 10.0 | ug/L | | | | | | | |
| Pentachloronitrobenzene | BDL | 10.0 | ug/L | | | | | | | |
| Pentachlorophenol | BDL | 1.00 | ug/L | | | | | | | |
| Phenanthrene | BDL | 10.0 | ug/L | | | | | | | |
| Phenol | BDL | 10.0 | ug/L | | | | | | | |
| Pyrene | BDL | 10.0 | ug/L | | | | | | | |
| Pyridine | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *8.55* | | *ug/L* | *40.00* | | *21.4* | *18-70* | | | |
| *Surrogate: Phenol-d6* | *11.9* | | *ug/L* | *40.00* | | *29.7* | *10-47* | | | |
| *Surrogate: Nitrobenzene-d5* | *31.9* | | *ug/L* | *40.00* | | *79.8* | *50-125* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *27.1* | | *ug/L* | *40.00* | | *67.7* | *50-120* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *29.5* | | *ug/L* | *40.00* | | *73.8* | *20-135* | | | |
| *Surrogate: Terphenyl-d14* | *35.5* | | *ug/L* | *40.00* | | *88.7* | *30-150* | | | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129227 - PREP_SVOC_W** | | | | | | | | | | |
| **LCS (1129227-BS1)** | | | | Prepared: 07/14/11 Analyzed: 07/19/11 | | | | | | |
| 1,2,4-Trichlorobenzene | 64.1 | 10.0 | ug/L | 100.0 | | 64.1 | 52-117 | | | |
| 1,2-Dichlorobenzene | 53.3 | 10.0 | ug/L | 100.0 | | 53.3 | 50-90 | | | |
| 1,3-Dichlorobenzene | 52.6 | 10.0 | ug/L | 100.0 | | 52.6 | 44-85 | | | |
| 1,4-Dichlorobenzene | 50.9 | 10.0 | ug/L | 100.0 | | 50.9 | 40-90 | | | |
| 2,4,6-Trichlorophenol | 85.8 | 10.0 | ug/L | 100.0 | | 85.8 | 40-130 | | | |
| 2,4-Dichlorophenol | 77.6 | 10.0 | ug/L | 100.0 | | 77.6 | 50-115 | | | |
| 2,4-Dimethylphenol | 64.2 | 10.0 | ug/L | 100.0 | | 64.2 | 40-105 | | | |
| 2,4-Dinitrophenol | 110 | 10.0 | ug/L | 100.0 | | 110 | 10-145 | | | |
| 2,4-Dinitrotoluene | 90.5 | 10.0 | ug/L | 100.0 | | 90.5 | 65-132 | | | |
| 2,6-Dinitrotoluene | 77.3 | 10.0 | ug/L | 100.0 | | 77.3 | 70-140 | | | |
| 2-Chloronaphthalene | 78.2 | 10.0 | ug/L | 100.0 | | 78.2 | 45-120 | | | |
| 2-Chlorophenol | 64.2 | 10.0 | ug/L | 100.0 | | 64.2 | 40-90 | | | |
| 2-Nitrophenol | 77.0 | 10.0 | ug/L | 100.0 | | 77.0 | 55-115 | | | |
| 4,6-Dinitro-2-methylphenol | 91.2 | 10.0 | ug/L | 100.0 | | 91.2 | 20-120 | | | |
| 4-Bromophenyl phenyl ether | 75.7 | 10.0 | ug/L | 100.0 | | 75.7 | 65-120 | | | |
| 4-Chloro-3-methylphenol | 78.3 | 10.0 | ug/L | 100.0 | | 78.3 | 55-110 | | | |
| 4-Chlorophenyl phenyl ether | 68.8 | 10.0 | ug/L | 100.0 | | 68.8 | 60-120 | | | |
| 4-Nitrophenol | 39.1 | 10.0 | ug/L | 100.0 | | 39.1 | 10-64 | | | |
| Acenaphthene | 78.3 | 10.0 | ug/L | 100.0 | | 78.3 | 65-110 | | | |
| Acenaphthylene | 74.7 | 10.0 | ug/L | 100.0 | | 74.7 | 45-120 | | | |
| Anthracene | 79.8 | 10.0 | ug/L | 100.0 | | 79.8 | 50-120 | | | |
| Benz(a)anthracene | 97.7 | 0.260 | ug/L | 100.0 | | 97.7 | 65-125 | | | |
| Benzo(a)pyrene | 87.2 | 0.200 | ug/L | 100.0 | | 87.2 | 40-150 | | | |
| Benzo(b)fluoranthene | 87.3 | 0.170 | ug/L | 100.0 | | 87.3 | 30-165 | | | |
| Benzo(g,h,i)perylene | 94.3 | 10.0 | ug/L | 100.0 | | 94.3 | 40-175 | | | |
| Benzo(k)fluoranthene | 83.9 | 1.70 | ug/L | 100.0 | | 83.9 | 35-125 | | | |
| Bis(2-chloroethoxy)methane | 62.2 | 10.0 | ug/L | 100.0 | | 62.2 | 44-115 | | | |
| bis-(2-Chloroethyl)ether | 71.2 | 10.0 | ug/L | 100.0 | | 71.2 | 30-100 | | | |
| Bis(2-ethylhexyl)phthalate | 83.8 | 6.00 | ug/L | 100.0 | | 83.8 | 60-130 | | | |
| Butyl benzyl phthalate | 86.7 | 10.0 | ug/L | 100.0 | | 86.7 | 55-130 | | | |
| Chrysene | 93.9 | 10.0 | ug/L | 100.0 | | 93.9 | 60-125 | | | |
| Dibenz(a,h)anthracene | 94.2 | 0.200 | ug/L | 100.0 | | 94.2 | 30-180 | | | |
| Diethyl phthalate | 67.0 | 10.0 | ug/L | 100.0 | | 67.0 | 20-140 | | | |
| Dimethyl phthalate | 49.4 | 10.0 | ug/L | 100.0 | | 49.4 | 10-125 | | | |
| Di-n-butyl phthalate | 63.2 | 10.0 | ug/L | 100.0 | | 63.2 | 40-120 | | | |
| Di-n-octyl phthalate | 85.0 | 10.0 | ug/L | 100.0 | | 85.0 | 50-125 | | | |
| Fluoranthene | 78.2 | 10.0 | ug/L | 100.0 | | 78.2 | 55-125 | | | |
| Fluorene | 76.8 | 10.0 | ug/L | 100.0 | | 76.8 | 60-120 | | | |
| Hexachlorobenzene | 75.5 | 10.0 | ug/L | 100.0 | | 75.5 | 60-115 | | | |
| Hexachlorobutadiene | 56.4 | 10.0 | ug/L | 100.0 | | 56.4 | 50-115 | | | |
| Hexachlorocyclopentadiene | 112 | 10.0 | ug/L | 100.0 | | 112 | 60-150 | | | |
| Hexachloroethane | 54.4 | 10.0 | ug/L | 100.0 | | 54.4 | 40-90 | | | |
| Indeno(1,2,3-cd)pyrene | 99.1 | 0.220 | ug/L | 100.0 | | 99.1 | 40-180 | | | |
| Isophorone | 92.8 | 10.0 | ug/L | 100.0 | | 92.8 | 60-154 | | | |
| Naphthalene | 64.8 | 10.0 | ug/L | 100.0 | | 64.8 | 40-115 | | | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129227 - PREP_SVOC_W** | | | | | | | | | | |
| **LCS (1129227-BS1)** | | | | Prepared: 07/14/11 Analyzed: 07/19/11 | | | | | | |
| Nitrobenzene | 80.0 | 10.0 | ug/L | 100.0 | | 80.0 | 40-130 | | | |
| N-Nitrosodimethylamine | 52.9 | 10.0 | ug/L | 100.0 | | 52.9 | 15-75 | | | |
| N-Nitrosodi-n-propylamine | 77.2 | 10.0 | ug/L | 100.0 | | 77.2 | 40-110 | | | |
| Pentachlorophenol | 82.2 | 1.00 | ug/L | 100.0 | | 82.2 | 30-110 | | | |
| Phenanthrene | 74.4 | 10.0 | ug/L | 100.0 | | 74.4 | 50-115 | | | |
| Phenol | 32.6 | 10.0 | ug/L | 100.0 | | 32.6 | 17-50 | | | |
| Pyrene | 89.7 | 10.0 | ug/L | 100.0 | | 89.7 | 55-130 | | | |
| *Surrogate: 2-Fluorophenol* | *16.9* | | *ug/L* | *40.00* | | *42.2* | *18-70* | | | |
| *Surrogate: Phenol-d6* | *12.4* | | *ug/L* | *40.00* | | *31.1* | *10-47* | | | |
| *Surrogate: Nitrobenzene-d5* | *35.5* | | *ug/L* | *40.00* | | *88.8* | *50-125* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *34.2* | | *ug/L* | *40.00* | | *85.4* | *50-120* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *39.1* | | *ug/L* | *40.00* | | *97.8* | *20-135* | | | |
| *Surrogate: Terphenyl-d14* | *39.1* | | *ug/L* | *40.00* | | *97.6* | *30-150* | | | |
| **LCS Dup (1129227-BSD1)** | | | | Prepared: 07/14/11 Analyzed: 07/19/11 | | | | | | |
| 1,2,4-Trichlorobenzene | 63.4 | 10.0 | ug/L | 100.0 | | 63.4 | 52-117 | 1.24 | 20 | |
| 1,2-Dichlorobenzene | 52.2 | 10.0 | ug/L | 100.0 | | 52.2 | 50-90 | 2.08 | 20 | |
| 1,3-Dichlorobenzene | 51.4 | 10.0 | ug/L | 100.0 | | 51.4 | 44-85 | 2.31 | 20 | |
| 1,4-Dichlorobenzene | 49.9 | 10.0 | ug/L | 100.0 | | 49.9 | 40-90 | 2.10 | 20 | |
| 2,4,6-Trichlorophenol | 77.5 | 10.0 | ug/L | 100.0 | | 77.5 | 40-130 | 10.1 | 28 | |
| 2,4-Dichlorophenol | 75.2 | 10.0 | ug/L | 100.0 | | 75.2 | 50-115 | 3.10 | 25 | |
| 2,4-Dimethylphenol | 64.8 | 10.0 | ug/L | 100.0 | | 64.8 | 40-105 | 0.899 | 22 | |
| 2,4-Dinitrophenol | 88.8 | 10.0 | ug/L | 100.0 | | 88.8 | 10-145 | 21.6 | 50 | |
| 2,4-Dinitrotoluene | 91.5 | 10.0 | ug/L | 100.0 | | 91.5 | 65-132 | 1.18 | 17 | |
| 2,6-Dinitrotoluene | 78.1 | 10.0 | ug/L | 100.0 | | 78.1 | 70-140 | 1.04 | 17 | |
| 2-Chloronaphthalene | 78.0 | 10.0 | ug/L | 100.0 | | 78.0 | 45-120 | 0.192 | 10 | |
| 2-Chlorophenol | 63.5 | 10.0 | ug/L | 100.0 | | 63.5 | 40-90 | 1.13 | 24 | |
| 2-Nitrophenol | 74.8 | 10.0 | ug/L | 100.0 | | 74.8 | 55-115 | 2.91 | 25 | |
| 4,6-Dinitro-2-methylphenol | 77.4 | 10.0 | ug/L | 100.0 | | 77.4 | 20-120 | 16.3 | 40 | |
| 4-Bromophenyl phenyl ether | 76.7 | 10.0 | ug/L | 100.0 | | 76.7 | 65-120 | 1.34 | 15 | |
| 4-Chloro-3-methylphenol | 77.3 | 10.0 | ug/L | 100.0 | | 77.3 | 55-110 | 1.22 | 27 | |
| 4-Chlorophenyl phenyl ether | 69.4 | 10.0 | ug/L | 100.0 | | 69.4 | 60-120 | 0.839 | 15 | |
| 4-Nitrophenol | 32.5 | 10.0 | ug/L | 100.0 | | 32.5 | 10-64 | 18.4 | 36 | |
| Acenaphthene | 79.4 | 10.0 | ug/L | 100.0 | | 79.4 | 65-110 | 1.38 | 15 | |
| Acenaphthylene | 74.6 | 10.0 | ug/L | 100.0 | | 74.6 | 45-120 | 0.214 | 15 | |
| Anthracene | 79.8 | 10.0 | ug/L | 100.0 | | 79.8 | 50-120 | 0.100 | 18 | |
| Benz(a)anthracene | 99.1 | 0.260 | ug/L | 100.0 | | 99.1 | 65-125 | 1.42 | 20 | |
| Benzo(a)pyrene | 87.9 | 0.200 | ug/L | 100.0 | | 87.9 | 40-150 | 0.708 | 20 | |
| Benzo(b)fluoranthene | 89.1 | 0.170 | ug/L | 100.0 | | 89.1 | 30-165 | 2.03 | 30 | |
| Benzo(g,h,i)perylene | 81.0 | 10.0 | ug/L | 100.0 | | 81.0 | 40-175 | 15.2 | 20 | |
| Benzo(k)fluoranthene | 85.6 | 1.70 | ug/L | 100.0 | | 85.6 | 35-125 | 2.00 | 30 | |
| Bis(2-chloroethoxy)methane | 62.2 | 10.0 | ug/L | 100.0 | | 62.2 | 44-115 | 0.0322 | 16 | |
| bis-(2-Chloroethyl)ether | 71.9 | 10.0 | ug/L | 100.0 | | 71.9 | 30-100 | 0.852 | 20 | |
| Bis(2-ethylhexyl)phthalate | 85.5 | 6.00 | ug/L | 100.0 | | 85.5 | 60-130 | 1.95 | 20 | |
| Butyl benzyl phthalate | 87.4 | 10.0 | ug/L | 100.0 | | 87.4 | 55-130 | 0.735 | 20 | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1129227 - PREP_SVOC_W** | | | | | | | | | | |
| **LCS Dup (1129227-BSD1)** | | | | Prepared: 07/14/11 Analyzed: 07/19/11 | | | | | | |
| Chrysene | 95.3 | 10.0 | ug/L | 100.0 | | 95.3 | 60-125 | 1.50 | 20 | |
| Dibenz(a,h)anthracene | 82.9 | 0.200 | ug/L | 100.0 | | 82.9 | 30-180 | 12.8 | 20 | |
| Diethyl phthalate | 65.4 | 10.0 | ug/L | 100.0 | | 65.4 | 20-140 | 2.51 | 20 | |
| Dimethyl phthalate | 42.1 | 10.0 | ug/L | 100.0 | | 42.1 | 10-125 | 16.0 | 50 | |
| Di-n-butyl phthalate | 61.9 | 10.0 | ug/L | 100.0 | | 61.9 | 40-120 | 2.16 | 20 | |
| Di-n-octyl phthalate | 83.9 | 10.0 | ug/L | 100.0 | | 83.9 | 50-125 | 1.40 | 20 | |
| Fluoranthene | 77.4 | 10.0 | ug/L | 100.0 | | 77.4 | 55-125 | 1.02 | 15 | |
| Fluorene | 77.5 | 10.0 | ug/L | 100.0 | | 77.5 | 60-120 | 0.829 | 15 | |
| Hexachlorobenzene | 76.7 | 10.0 | ug/L | 100.0 | | 76.7 | 60-115 | 1.52 | 20 | |
| Hexachlorobutadiene | 55.6 | 10.0 | ug/L | 100.0 | | 55.6 | 50-115 | 1.55 | 30 | |
| Hexachlorocyclopentadiene | 107 | 10.0 | ug/L | 100.0 | | 107 | 60-150 | 4.27 | 20 | |
| Hexachloroethane | 52.7 | 10.0 | ug/L | 100.0 | | 52.7 | 40-90 | 3.25 | 20 | |
| Indeno(1,2,3-cd)pyrene | 86.6 | 0.220 | ug/L | 100.0 | | 86.6 | 40-180 | 13.4 | 30 | |
| Isophorone | 94.1 | 10.0 | ug/L | 100.0 | | 94.1 | 60-154 | 1.41 | 20 | |
| Naphthalene | 65.3 | 10.0 | ug/L | 100.0 | | 65.3 | 40-115 | 0.676 | 14 | |
| N[illegible]benzene | 80.7 | 10.0 | ug/L | 100.0 | | 80.7 | 40-130 | 0.834 | 15 | |
| osodimethylamine | 53.1 | 10.0 | ug/L | 100.0 | | 53.1 | 15-75 | 0.339 | 25 | |
| N-Nitrosodi-n-propylamine | 78.3 | 10.0 | ug/L | 100.0 | | 78.3 | 40-110 | 1.52 | 20 | |
| Pentachlorophenol | 71.9 | 1.00 | ug/L | 100.0 | | 71.9 | 30-110 | 13.4 | 35 | |
| Phenanthrene | 75.8 | 10.0 | ug/L | 100.0 | | 75.8 | 50-115 | 1.86 | 18 | |
| Phenol | 32.8 | 10.0 | ug/L | 100.0 | | 32.8 | 17-50 | 0.672 | 20 | |
| Pyrene | 90.9 | 10.0 | ug/L | 100.0 | | 90.9 | 55-130 | 1.40 | 20 | |
| *Surrogate: 2-Fluorophenol* | *18.1* | | *ug/L* | *40.00* | | *45.3* | *18-70* | | | |
| *Surrogate: Phenol-d6* | *12.5* | | *ug/L* | *40.00* | | *31.2* | *10-47* | | | |
| *Surrogate: Nitrobenzene-d5* | *34.7* | | *ug/L* | *40.00* | | *86.8* | *50-125* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *32.5* | | *ug/L* | *40.00* | | *81.3* | *50-120* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *35.7* | | *ug/L* | *40.00* | | *89.3* | *20-135* | | | |
| *Surrogate: Terphenyl-d14* | *38.4* | | *ug/L* | *40.00* | | *96.1* | *30-150* | | | |

## TCLP Semivolatile Organic Compounds by EPA 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130149 - PREP_SVOC_TCLP** | | | | | | | | | | |
| **Blank (1130149-BLK1)** | | | | Prepared: 07/20/11 Analyzed: 07/22/11 | | | | | | |
| TCLP 1,4-Dichlorobenzene | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP 2,4,5-Trichlorophenol | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP 2,4,6-Trichlorophenol | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP 2,4-Dinitrotoluene | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP 2-Methylphenol | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP 3 & 4-Methylphenol | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Hexachlorobenzene | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Hexachlorobutadiene | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Hexachloroethane | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Nitrobenzene | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Pentachlorophenol | BDL | 0.0100 | mg/L | | | | | | | |
| TCLP Pyridine | BDL | 0.0100 | mg/L | | | | | | | |
| *Surrogate: 2-Fluorophenol* | *0.0110* | | *mg/L* | *0.04000* | | *27.4* | *18-70* | | | |
| *Surrogate: Phenol-d6* | *0.0117* | | *mg/L* | *0.04000* | | *29.3* | *10-47* | | | |
| *Surrogate: Nitrobenzene-d5* | *0.0278* | | *mg/L* | *0.04000* | | *69.5* | *50-125* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *0.0240* | | *mg/L* | *0.04000* | | *60.0* | *50-120* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *0.0272* | | *mg/L* | *0.04000* | | *68.1* | *20-135* | | | |
| *Surrogate: Terphenyl-d14* | *0.0370* | | *mg/L* | *0.04000* | | *92.4* | *30-150* | | | |
| **LCS (1130149-BS1)** | | | | Prepared: 07/20/11 Analyzed: 07/22/11 | | | | | | |
| TCLP 1,4-Dichlorobenzene | 0.0490 | 0.0100 | mg/L | 0.1000 | | 49.0 | 40-90 | | | |
| TCLP 2,4,6-Trichlorophenol | 0.0727 | 0.0100 | mg/L | 0.1000 | | 72.7 | 40-130 | | | |
| TCLP 2,4-Dinitrotoluene | 0.0978 | 0.0100 | mg/L | 0.1000 | | 97.8 | 65-132 | | | |
| TCLP Hexachlorobenzene | 0.0833 | 0.0100 | mg/L | 0.1000 | | 83.3 | 60-115 | | | |
| TCLP Hexachlorobutadiene | 0.0552 | 0.0100 | mg/L | 0.1000 | | 55.2 | 50-115 | | | |
| TCLP Hexachloroethane | 0.0474 | 0.0100 | mg/L | 0.1000 | | 47.4 | 40-90 | | | |
| TCLP Nitrobenzene | 0.0832 | 0.0100 | mg/L | 0.1000 | | 83.2 | 40-130 | | | |
| TCLP Pentachlorophenol | 0.0572 | 0.0100 | mg/L | 0.1000 | | 57.2 | 30-110 | | | |
| TCLP Pyridine | 0.0467 | 0.0100 | mg/L | 0.1000 | | 46.7 | 19-46 | | | L |
| *Surrogate: 2-Fluorophenol* | *0.0114* | | *mg/L* | *0.04000* | | *28.6* | *18-70* | | | |
| *Surrogate: Phenol-d6* | *0.0129* | | *mg/L* | *0.04000* | | *32.2* | *10-47* | | | |
| *Surrogate: Nitrobenzene-d5* | *0.0320* | | *mg/L* | *0.04000* | | *79.9* | *50-125* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *0.0313* | | *mg/L* | *0.04000* | | *78.4* | *50-120* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *0.0312* | | *mg/L* | *0.04000* | | *78.1* | *20-135* | | | |
| *Surrogate: Terphenyl-d14* | *0.0406* | | *mg/L* | *0.04000* | | *102* | *30-150* | | | |

## TCLP Semivolatile Organic Compounds by EPA 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1130149 - PREP_SVOC_TCLP** | | | | | | | | | | |
| **LCS Dup (1130149-BSD1)** | | | | Prepared: 07/20/11 Analyzed: 07/22/11 | | | | | | |
| TCLP 1,4-Dichlorobenzene | 0.0377 | 0.0100 | mg/L | 0.1000 | | 37.7 | 40-90 | 26.0 | 20 | L-ME, R |
| TCLP 2,4,6-Trichlorophenol | 0.0680 | 0.0100 | mg/L | 0.1000 | | 68.0 | 40-130 | 6.61 | 28 | |
| TCLP 2,4-Dinitrotoluene | 0.0751 | 0.0100 | mg/L | 0.1000 | | 75.1 | 65-132 | 26.3 | 17 | R |
| TCLP Hexachlorobenzene | 0.0662 | 0.0100 | mg/L | 0.1000 | | 66.2 | 60-115 | 22.9 | 20 | R |
| TCLP Hexachlorobutadiene | 0.0433 | 0.0100 | mg/L | 0.1000 | | 43.3 | 50-115 | 24.2 | 30 | L-ME |
| TCLP Hexachloroethane | 0.0364 | 0.0100 | mg/L | 0.1000 | | 36.4 | 40-90 | 26.0 | 20 | L-ME, R |
| TCLP Nitrobenzene | 0.0633 | 0.0100 | mg/L | 0.1000 | | 63.3 | 40-130 | 27.2 | 15 | R |
| TCLP Pentachlorophenol | 0.0582 | 0.0100 | mg/L | 0.1000 | | 58.2 | 30-110 | 1.61 | 35 | |
| TCLP Pyridine | 0.0325 | 0.0100 | mg/L | 0.1000 | | 32.5 | 19-46 | 35.9 | 33 | R |
| *Surrogate: 2-Fluorophenol* | *0.0132* | | *mg/L* | *0.04000* | | *32.9* | *18-70* | | | |
| *Surrogate: Phenol-d6* | *0.0100* | | *mg/L* | *0.04000* | | *25.1* | *10-47* | | | |
| *Surrogate: Nitrobenzene-d5* | *0.0257* | | *mg/L* | *0.04000* | | *64.3* | *50-125* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *0.0247* | | *mg/L* | *0.04000* | | *61.7* | *50-120* | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *0.0292* | | *mg/L* | *0.04000* | | *72.9* | *20-135* | | | |
| *Surrogate: Terphenyl-d14* | *0.0323* | | *mg/L* | *0.04000* | | *80.7* | *30-150* | | | |

## Notes and Definitions

| | |
|---|---|
| R | RPD outside of accepted recovery limits. |
| L-ME | Laboratory spike is outside of acceptance limits, but is within the marginal exceedance limit. |
| L | Laboratory control sample recovery outside of acceptance limits high, sample results are below detection limits. Sample data is still acceptable. |

Sample preservation was met unless otherwise noted.

# APPENDIX E
# SAMPLING AND ANALYSIS PLAN

## Funk, Laura

**From:** Debus.Allen@epamail.epa.gov
**Sent:** Thursday, April 28, 2011 2:49 PM
**To:** Funk, Laura
**Cc:** Ramanauskas.Peter@epamail.epa.gov; Mangino.Mario@epamail.epa.gov
**Subject:** Re: Dayton Tech Town - TSCA

Hello Laura:

We have reviewed Weston's 4/27/11 Sampling and Analysis Plan for PCB Delineation in the Building 15 Trench Area. We have the following comments.

1.) We accept the sampling approach as outlined, only for this subparcel (i.e. Bldg. 15 Trench), as intended for characterizing the PCB concentrations in soil, local to the remediated Trench hot spot area.

2.) The 750 ppm level is much greater than the VAP value of 226 ppm, which you originally proposed. At present, we are not concurring on the
750 ppm value as a decision criterion (p.5). Instead we await the
results of your characterization. At that juncture, we may then reconvene on this matter in light of your forthcoming data and TSCA rules.

3.) Minor issue - p.3, QC samples, 2nd par., 5th line. To be considered ("homogenized") field duplicates, these should be collected from co-located and soil samples, 'homogenized' from each separate jar.
The field duplicates shouldn't be 'replicates' taken from the same sampling jar.

thanks,

Allen Debus
(312) 886-6186

From: "Funk, Laura" <Laura.Funk@WestonSolutions.com>

To: Allen Debus/R5/USEPA/US@EPA

Cc: Jose Cisneros/R5/USEPA/US@EPA, Joseph Dufficy/R5/USEPA/US@EPA, "Bosko, Terry" <Terry.Bosko@WestonSolutions.com>, "Mooney, Kathleen M." <Katie.Mooney@WestonSolutions.com>, Peter Ramanauskas/R5/USEPA/US@EPA, Mario Mangino/R5/USEPA/US@EPA, "'Lipson, Chris'" <Chris.Lipson@daytonohio.gov>, BRAD STIMPLE/R5/USEPA/US@EPA, Brooke Furio/R5/USEPA/US@EPA, Brian Heitkamp <BHeitkamp@citywidedev.com>, "Timothy.Downs@cityofdayton.org" <Timothy.Downs@cityofdayton.org>

Date: 04/27/2011 01:17 PM

Subject: Dayton Tech Town - TSCA

Hi Allen,
WESTON has prepared a brief Sampling and Analysis Plan for the Building 15 Trench Area per our discussion last week. The Sampling and Analysis Plan is attached for your review. We look forward to hearing back from you.
Sincerely,
Laura

Laura Funk, CP 286
Weston Solutions, Inc.
711 East Monument Avenue, Suite 201
Dayton, OH 45402
(937) 531-4402
fax: (937) 531-4401

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-- [attachment "Sampling and Analysis Plan - 15 Trench Area Delineation.pdf" deleted by Allen Debus/R5/USEPA/US]

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April 27, 2011

Mr. Allen Debus
Waste, Pesticides, and Toxics Division
United States Environmental Protection Agency Region 5
77 West Jackson Blvd., DW8-J
Chicago, IL 60604-3590

**Subject:** **Sampling and Analysis Plan**
**PCB Delineation in the Building 15-Trench Area**
**Dayton Tech Town**
**Work Order No.: 12473.005.007**

Dear Mr. Debus:

Per our conference call on April 20, 2011, Weston Solutions, Inc. (WESTON®) has prepared this Sampling and Analysis Plan to investigate exposed soil around the Building 15 Trench Excavation Area at the Dayton Tech Town Site (former General Motors [GM] Delphi Harrison Radiator Thermal Systems Plant) located at 300 Taylor Street, Dayton, Ohio (the Site).

## DELINEATION IN THE BUILDING 15-TRENCH AREA

A soil investigation will be conducted to the north, east, and west of the Building 15 Trench excavation to further delineate polychlorinated biphenyl (PCB) concentrations in soil. The area immediately south of the Building 15 Trench excavation is covered with concrete; therefore, no borings are proposed to the south of the Building 15 Trench excavation.

A total of three step-out soil borings will be advanced by Geoprobe to the north, east, and west of the Building 15 Trench excavation on the Site. Two surface soil samples will also be collected near the east and west walls of the excavation. The sampling locations are shown on Figure 1 and described as follows:

- T15-SB-216 – soil boring located immediately south of the former Building 24 slab and approximately 5 feet north of the trench excavation as measured from the north wall.
- T15-SB-217 – soil boring located approximately 15 feet west of the trench excavation as measured from the west wall.
- T15-SB-218 – soil boring located approximately 15 feet east of the trench excavation as measured from the east wall.
- T15-SS-219 – surface soil sampling location located within 3 feet of the east wall of the trench excavation.
- T15-SS-220 – surface soil sampling location located within 3 feet of the west wall of the trench excavation.

The soil borings (SB nomenclature) will be advanced to a depth of 12 feet below ground surface (bgs). Soil samples will be collected from the vadose zone of each boring at 2 foot intervals and submitted to an Ohio Voluntary Action Program (VAP)-certified laboratory for PCB analysis by U.S. EPA SW 846 Method 8082. Additional analyses may also be performed in support of the voluntary action.

Surface soil will be collected from the surface soil sampling locations (SS nomenclature) by hand-auger or Geoprobe. The sampling methodology will be determined in the field based upon safety considerations. The sampling interval will be 0 to 2 feet bgs. In the event a hand-auger is the selected sampling methodology and a depth of 2 feet cannot be reasonably achieved, a sampling interval of 0 to 1 foot bgs will be used. Surface soil samples will be submitted to an Ohio VAP-certified laboratory for PCB analysis by U.S. EPA SW 846 Method 8082.

The soil sampling procedures are described below:

- Soil borings will be advanced using a Geoprobe with soil collected into macrocore or dual-tube samplers. Samples will be collected at 2-foot depth intervals from the vadose zone to a maximum depth of 12 feet bgs. In the event refusal is encountered before reaching the target depth, the boring will be offset slightly and re-drilled to retrieve soil from the missing intervals. The dual-tube or macrocore samplers will be opened on a clean surface (*i.e.* polyethylene sheeting), and the soil cores logged by a scientist noting items such as sample recovery, soil type, moisture content, consistency, color, staining, and any other notable observations.
- Surface soil collected by hand-auger or Geoprobe will also be logged for soil type, moisture content, consistency, color, staining, and any other notable observations.
- Soil collected from each sampling interval will be homogenized. The homogenizing procedure is designed to increase the probability that a relatively small sample aliquot is representative of a relatively large soil volume, thereby enhancing the representativeness and reproducibility of the sample. Soil will be transferred from the sampler to a bowl or pan. A trowel will be used to mix the media and break up large clumps into pieces approximately ½ inch or less in diameter. The homogenizing process will be considered complete when the texture and color of the sample appear uniform throughout.
- An aliquot of the homogenized soil will be collected into clean, labeled, laboratory-prepared sample jars. Samples will be maintained at 4 degrees Celsius (°C) in a cooler with ice after sample collection
- All reusable Geoprobe and sample collection equipment such as bowls, hand augers, trowels, and any other non-disposable sampling supplies will be decontaminated before sampling begins, between sampling locations, and at the completion of sampling using an Alconox wash and potable water rinse.
- Decontamination water will be transferred to a DOT-approved drum for future characterization and disposal. Excess soil and used samplers will be placed into DOT-approved drums for future disposal. Personal protective equipment such as gloves will be disposed of in a sanitary waste dumpster as general refuse.

## QUALITY CONTROL SAMPLES

Field duplicates, rinsates, and matrix spike samples will be analyzed to assess the quality of the data resulting from the field sampling program. Duplicate samples are analyzed to check for sampling and analytical reproducibility. Matrix spikes provide information about the effect of the sample matrix on the digestion and measurement methodology. All matrix spikes are performed in duplicate and are known as MS/MSD samples. Rinsate samples are collected to assess the adequacy and effectiveness of decontamination procedures. Each field QC sample will be documented on a chain-of-custody form.

Field duplicates are defined as a duplicate sample collected from the investigative sample. Field duplicate samples will be collected on a 1:10 frequency and will use procedures identical to those used for the investigative samples. Sample containers and handling and shipment procedures that will be used are identical to those used for the investigative samples. Duplicates will be collected by alternatively filling two sets of sample jars from the same homogenized sample unit.

MS/MSDs are samples or sample volume designated for spiking by the laboratory running the analysis. MS/MSD samples will be collected on a 1:20 frequency. Rinsate samples will be collected by pouring deionized water onto or over decontaminated non-disposable sampling equipment then into a sampling jar. Rinsate samples will be collected on a 1:20 frequency. Temperature blanks will be included in each cooler being shipped to ensure that the temperature in the cooler meets the specified requirements.

## SAMPLE NUMBERING SYSTEM

All samples collected for analysis, including QC samples, will be given a unique sample number. The sample identifiers will reflect the project, identified area, sampling location, sampling interval and date of collection. The sample identifiers will be used for documentation purposes in field logs, as well as for presentation of the analytical data in reports. The project samples will be identified using the following format:

### Project Identifier

The first part of the project sample numbering system will be the two-character designation TT. TT corresponds to Tech Town.

### Identified Area

The second part of the project sample numbering system will be the three-character Identified Area designation T15. T15 corresponds to the Building 15-Trench.

**Sample Type**

This shall consist of two characters indentifying the sample type.

- SB refers to a soil boring.
- SS refers to a surface soil sampling location.

**Sequence Identifier**

This shall consist of three characters identifying the soil boring or surface sampling number beginning with 216.

**Depth Identifier**

This shall consist of a two-digit number. The number designation will represent depth in feet below ground surface of the bottom of the sample interval. For example, a sampling interval of 8-10 feet bgs will have a depth identified of 10. Exact depths for a specific sample may be also determined by consulting field log notes.

**Sample Date**

This shall consist of a six digit date (*i.e.*; 050211) for May 2, 2011.

**Quality Control Identifier**

This shall consist of the following:

- If the sample is a field duplicate sample, the above will be combined with DP.
- If the sample is a rinsate, the preceding soil sample identified will be combined with RS.
- If the sample is an MS or MSD, additional aliquots of the applicable sample will be supplied and notation will be provided on the chain-of-custody for the lab to also complete a MS/MSD.

Examples of the project sample numbering system are as follows:

- TT-T15-SB216-04-050211: Tech Town; Building 15 Trench Area; the soil boring north of the excavation; depth of 2-4 feet bgs; sample collected on May 2, 2011.
- TT-T15-SS219-02-050211DP: Tech Town; Building 15 Trench Area; the surface soil sampling location east of the excavation; depth of 0-2 feet bgs; duplicate sample collected on May 2, 2011.

## DATA QUALITY OBJECTIVES AND DECISION CRITERIA

Data quality objectives address requirements that include when, where, and how to collect samples, the number of samples, and the limits on tolerable error rates. These steps should periodically be revisited as new information about a problem is learned.

Soil samples collected from the investigation area will be analyzed for PCBs. PCBs are regulated by U.S. EPA under the Toxic Substances Control Act (TSCA). If sample results are significantly greater than the highest existing PCB data result for soil in the Building 15 Trench excavation, which was 488 milligrams per kilogram (mg/kg), then the City of Dayton and U.S. EPA will reconvene to discuss the next course of action, including additional step-out borings. Herein, the reference to *significantly greater* is defined as more than a 50% increase in the concentration of PCBs, which means if PCBs are detected in the samples at concentrations greater than 750 mg/kg, then U.S. EPA and the City of Dayton will reconvene to discuss next steps. If PCBs are detected in the samples at concentrations less than 750 mg/kg, then the Building 15 Trench excavation will be backfilled and capped.

## PROTECTION OF RECEPTORS

The Building 15 Trench excavation is surrounded by temporary fencing. Contractors currently working on the Site have been instructed to stay out of this fenced area. All Site contractors have been informed of the environmental site condition and are working under Site-Specific Health and Safety Plans. All activities pertinent to this plan (*i.e.* Geoprobe, soil sampling, backfilling) will be conducted under a Site-Specific Health and Safety Plan(s).

Assuming PCB sample results are less than decision criterion, backfill material will be placed in lifts and compacted using heavy equipment, thus minimizing direct contact potential. Heavy equipment that comes into contact with soil from the Building 15 Trench Area during backfilling will be decontaminated at the completion of work by swabbing with a performance-based organic decontamination fluid consistent with 40 CFR 761.79(c)(2).

The exposed ground surface of the Building 15 Trench Area is approximately 3 feet lower than the final proposed grade of the parking lot and driveway. Thus, the Building 15 Trench Area will ultimately be covered with several feet of fill and aggregate then paved. The sewer line that was proposed to transverse the Building 15 Trench Area has been rerouted so no utilities will be placed within the Building 15 Trench Area soil. The closest proposed utility is an electric line to power the parking lot lights. This line will be installed in a lighting conduit secured to the exposed face of building 24 slab at an elevation above the current ground surface elevation of the Building 15 Trench Area. This conduit will be embedded in the aggregate cover and paved over. Because no utilities will be placed within soil of the Building 15 Trench Area, there is no reasonably anticipated need for intrusive activities into the Building 15 Trench Area soil in the future.

Following excavation backfill activities, the area will be covered with fill and a minimum of 6-inches of aggregate and paved with 3 inches of asphalt, concrete, or combination thereof forming and connecting the driveway and southeast portion of the parking lot. The driveway and parking lot are integral to the developed Site. The fill and aggregate will provide a separation buffer and the pavement will form a permanent barrier that prevents direct contact with the Building 15 Trench Area soil. The pavement unit will be an engineering control to be maintained in perpetuity in accordance with an Operation and Maintenance Plan prepared as part of the voluntary action. All areas with PCB soil contamination greater than the Ohio VAP construction worker standard will be identified and included in a Risk Mitigation Plan (RMP). The RMP will identify areas subject to its implementation, describe methods to protect construction/excavation workers from unacceptable exposure to contaminants in environmental media, and identify activities needed to maintain the points of compliance (i.e. prevent subsurface soil from being incorporated into surface soil during excavation activities). The Operation and Maintenance Agreement and RMP will be referenced in and attached to the Covenant filed at the completion of the voluntary action.

**REQUEST FOR CONCURRENCE**

WESTON respectfully requests your concurrence with the Sampling and Analysis Plan. Please call me at (937) 531-4402 if you have any questions or need additional information.

Very truly yours,
WESTON SOLUTIONS, INC.

Laura Funk
Project Manager

Figure

# FIGURE

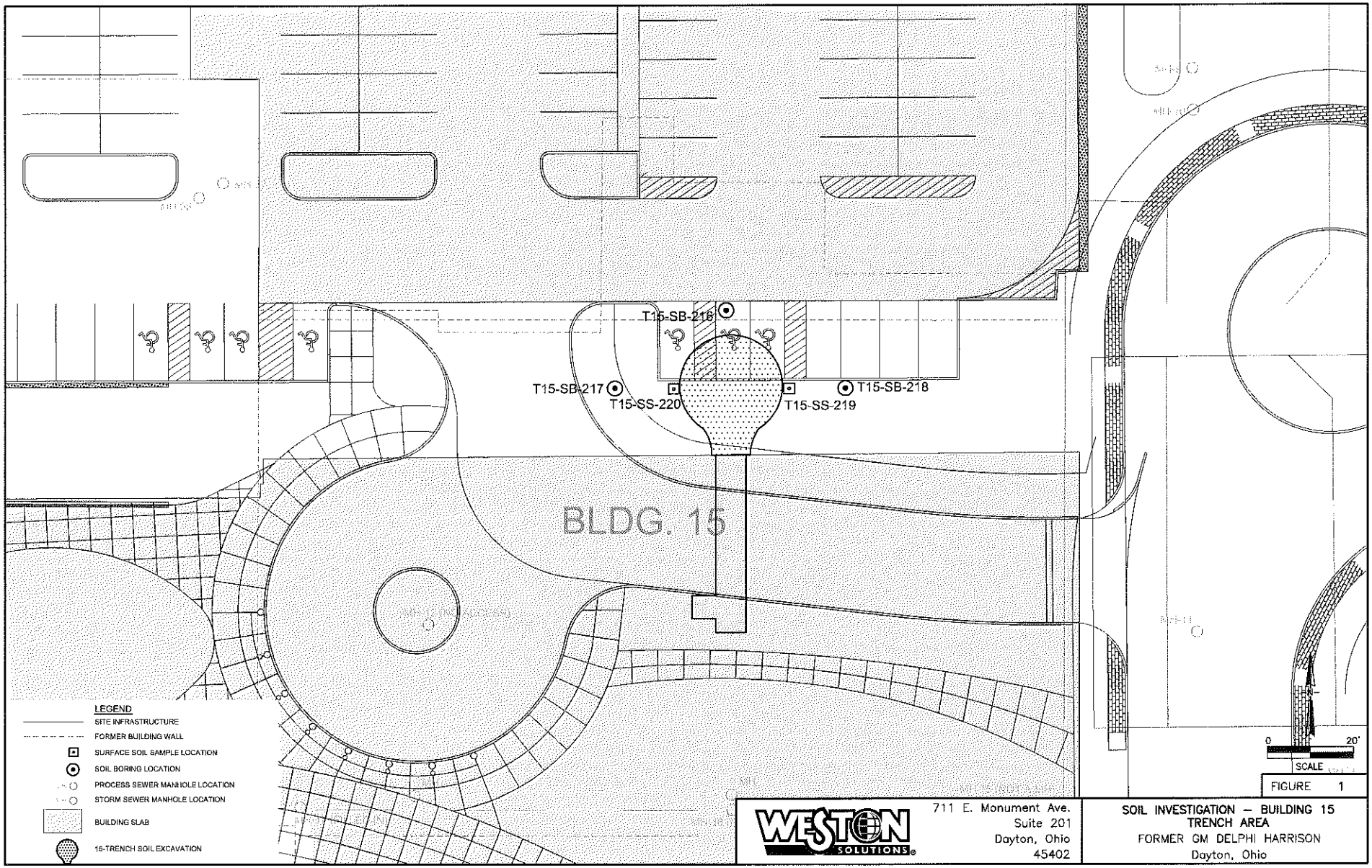



FIGURE 1

WESTON SOLUTIONS

711 E. Monument Ave.
Suite 201
Dayton, Ohio
45402

**SOIL INVESTIGATION – BUILDING 15 TRENCH AREA**
FORMER GM DELPHI HARRISON
Dayton, Ohio

# ATTACHMENT E
# FIELD LOGS

**WESTON SOLUTIONS, INC.** — **Drilling/Lithologic Log** — PAGE 1 OF 2

| | | | | | |
|---|---|---|---|---|---|
| Job Name | Tech Town PCB/UST Inv. | Boring No. | N/A | Groundwater Levels | |
| Job No. | 12473.005.007.1000.40 | Well Type | MW-67 | Date | Depth |
| Date Drilled | 8 Nov 11 | Drilling Method | Rotosonic | | |
| Drilling Co. | Boart Longyear | Completion Depth | 25.0 (ft bgs) | | |
| Drill Foreman | Adam Anderson | Location | Dayton, Ohio | | |
| Logged By | Michael Blair | Drill Rig Type | Rotosonic drill | | |

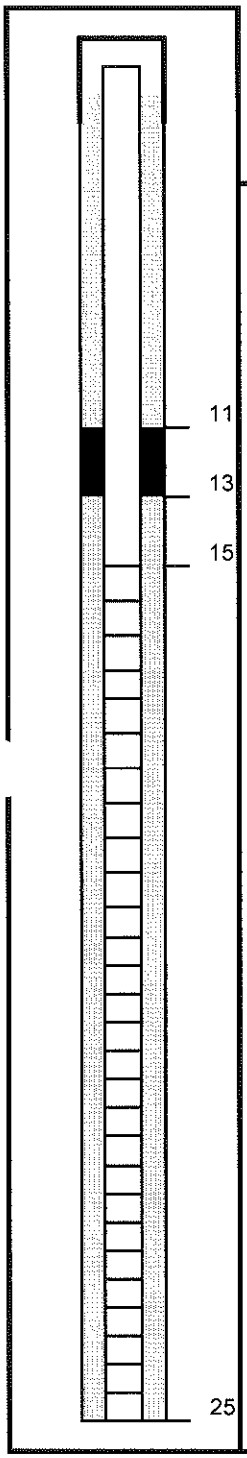
| Depth ft BGS | Sample No. | Sample Blow Counts (per 6 in.) | Well Profile | % Rec. | Visual Description | FID/OVA HEATED HEADSPACE |
|---|---|---|---|---|---|---|
| | | | | | Asphalt 0.25 ft | |
| 2 | | | | 100 | Brown sandy silt & gravel (sub-base fill). Material is loose & moist. | 0 |
| 4 | | | | | | 0.6 |
| | | | | | 5 ft. | 0 |
| 6 | | | | 90 | Brown sandy clay. Material is very soft and moist. | |
| 8 | | | | | Note: Black coloring seen @ 7 ft to 7.5 ft. | 0 |
| | | | | | 9 ft. | 0 |
| 10 | | | | | Brown medium grained sand and some gravel. Material is rounded, loose and moist. 10 ft. | |
| 12 | | | | 90 | Brown gravel and cobbles (up to 4" dia) with some rounded fine grained sand. Material is wet. | 0 |
| 14 | | | | | | 0 |
| | | | | | Note: Material is very wet from 14 ft to 14.5 ft. 15 ft. | 0 |
| 16 | | | | 90 | Black medium grained sand with little rounded gravel. Material is loose and wet. | |
| 18 | | | | | Note: Color change to brown @ 17.5 ft. | 0 |
| | | | | | | 0 |

| WESTON SOLUTIONS, INC. | | | | Drilling/Lithologic Log | PAGE 2 OF 2 | | |
|---|---|---|---|---|---|---|---|
| Job Name | Tech Town PCB/UST Inv. | | Boring No. | N/A | Groundwater Levels | |
| Job No. | 12473.005.007.1000.40 | | Well Type | MW-67 | Date | Depth |
| Date Drilled | 8 Nov 11 | | Drilling Method | Rotosonic | | |
| Drilling Co. | Boart Longyear | | Completion Depth | 25.0 (ft bgs) | | |
| Drill Foreman | Adam Anderson | | Location | Dayton, Ohio | | |
| Logged By | Michael Blair | | Drill Rig Type | Rotosonic drill | | |

| Depth ft BGS | Sample Time | Sample Number & Depth | Well Profile | % Rec. | Visual Description | FID/OVA HEATED HEADSPACE |
|---|---|---|---|---|---|---|
| 20 | | | | | Note: Color change to grayish black @ 20 ft to 21 ft. | 0 |
| 22 | | | | 100 | Note: Color change to brown @ 21 ft. | 0 |
| 24 | | | | | Note: Material is saturated @ 23 ft. | 0 |
| 26 | | | | | Boring terminated at 25 ft. | |
| 28 | | | | | | |
| 30 | | | | | | |

Well I.D. 67

# Well Construction Summary




Project: Tech Town Tier 1 Investigation
Location: Dayton, Ohio
Personnel: Adam Anderson - Driller

Location or Coordinates: (N)
(E)
Elevation: Ground Level
Top of Casing

**Drilling Summary:**

Total Depth: 25 ft.
Borehole Diameter: 4 in.

Driller: Boart Longyear

Rig: Rotosonic
Bit(s): Not applicable
Drilling Fluid: Not applicable
Surface Casing: Flush mount

**Well Design:**

Basis: Geologic Log: X
Geophysical Log:

Casing String(s): C=Casing S=Screen

| | | | |
|---|---|---|---|
| 0 | - | 15 | C |
| 15 | - | 25' | S |
| | - | | |
| | - | | |

Casing: C1 2 in. dia. PVC construction
C2

Screen: S1 2 in. dia. No 10 slotted, PVC.
S2

Centralizers: Not Applicable

Filter Material: Silica Sand 13' - 25'

Cement: 0' - 11'

Other: Bentonite seal 11' - 13'

**Construction Time Log:**

| Task | Start Date | Finish Date | |
|---|---|---|---|
| Drilling: | 09-Oct-11 | 09-Nov-11 | |
| | | | |
| Geophys. Logg | -- | -- | -- |
| Casing: | | | |
| | 09-Nov-11 | 09-Nov-11 | |
| | | | |
| | | | |
| Filter Placemen | 09-Nov-11 | 09-Nov-11 | |
| Cementing: | 09-Nov-11 | 09-Nov-11 | |
| Development: | | | |
| | | | |
| Other: | | | |
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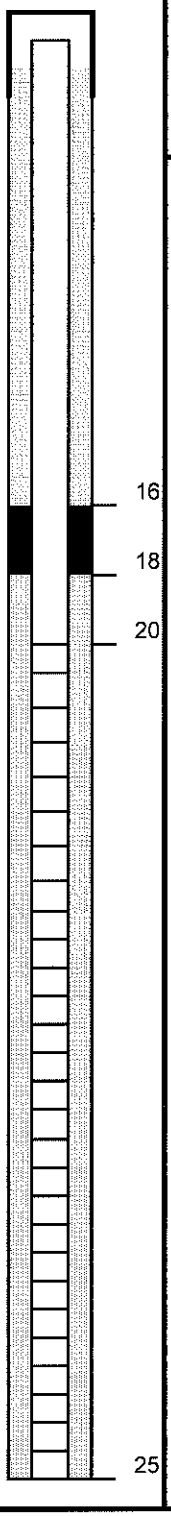
| | | | |

**Well Development:**

**Comments:**

Well I.D. 5

# Well Construction Summary




Project: Tech Town Tier 1 Investigation
Location: Dayton, Ohio
Personnel: Adam Anderson - Driller

Location or Coordinates: (N)
(E)
Elevation: Ground Level
Top of Casing

**Drilling Summary:**

Total Depth: 25 ft.
Borehole Diameter: 4 in.

Driller: Boart Longyear

Rig: Rotosonic
Bit(s): Not applicable
Drilling Fluid: Not applicable
Surface Casing: Flush mount

**Well Design:**

Basis: Geologic Log: X
Geophysical Log:
Casing String(s): C=Casing S=Screen

| | | |
|---|---|---|
| 0 | 20' | C |
| 20' | 25' | S |
| | | |
| | | |

Casing: C1 2 in. dia. PVC construction
C2
Screen: S1 2 in. dia. No 10 slotted, PVC.
S2
Centralizers: Not Applicable

Filter Material: Silica Sand 18' - 25'

Cement: 0' - 16'

Other: Bentonite seal 16' - 18'

**Construction Time Log:**

| Task | Start Date | Finish Date | |
|---|---|---|---|
| Drilling: | 10-Nov-11 | 10-Nov-11 | |
| | | | |
| Geophys. Logg | -- | -- | -- |
| Casing: | | | |
| | 10-Nov-11 | 10-Nov-11 | |
| | | | |
| | | | |
| Filter Placemen | 10-Nov-11 | 10-Nov-11 | |
| Cementing: | 10-Nov-11 | 10-Nov-11 | |
| Development: | | | |
| | | | |
| Other: | | | |
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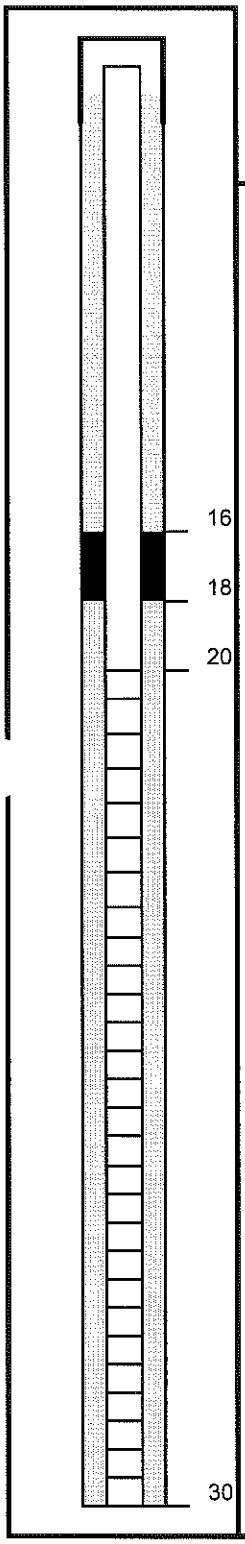
| | | | |

**Well Development:**

**Comments:**

Well I.D. 65

# Well Construction Summary




Project: Tech Town Tier 1 Investigation
Location: Dayton, Ohio
Personnel: Adam Anderson - Driller

Location or Coordinates: (N)
(E)
Elevation: Ground Level
Top of Casing

**Drilling Summary:**

Total Depth: 25 ft.
Borehole Diameter: 4 in.

Driller: Boart Longyear

Rig: Rotosonic
Bit(s): Not applicable
Drilling Fluid: Not applicable
Surface Casing: Flush mount

**Well Design:**

Basis: Geologic Log: X
Geophysical Log:
Casing String(s): C=Casing S=Screen
0 - 20' C
20' - 30' S
- -
- -

Casing: C1 2 in. dia. PVC construction
C2
Screen: S1 2 in. dia. No 10 slotted, PVC.
S2
Centralizers: Not Applicable

Filter Material: Silica Sand 18' - 30'

Cement: 0' - 16'

Other: Bentonite seal 16' - 18'

**Construction Time Log:**

| Task | Start Date | Finish Date | |
|---|---|---|---|
| Drilling: | 08-Nov-11 | 08-Nov-11 | |
| | | | |
| Geophys. Logg | -- | -- | -- |
| Casing: | | | |
| | 08-Nov-11 | 08-Nov-11 | |
| | | | |
| | | | |
| Filter Placemen | 08-Nov-11 | 08-Nov-11 | |
| Cementing: | 08-Nov-11 | 08-Nov-11 | |
| Development: | | | |
| | | | |
| Other: | | | |
| | | | |
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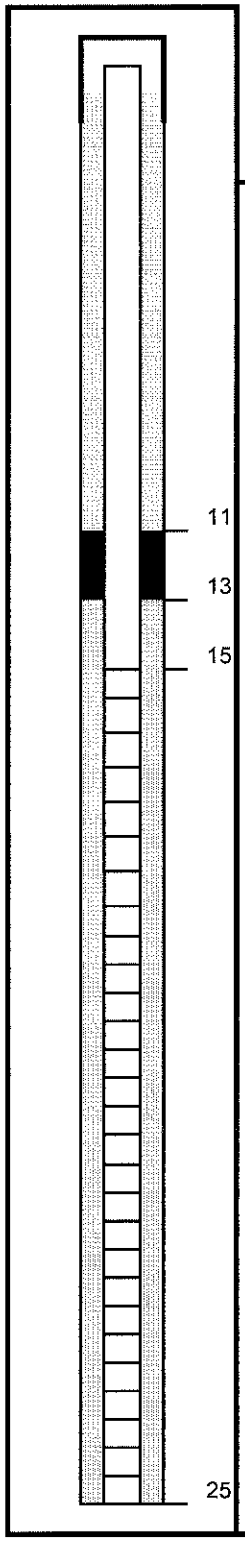
| | | | |

**Well Development:**

**Comments:**

Well I.D. 68

# Well Construction Summary




Project: Tech Town Tier 1 Investigation
Location: Dayton, Ohio
Personnel: Adam Anderson - Driller

Location or Coordinates: (N)
(E)
Elevation: Ground Level
Top of Casing

**Drilling Summary:**

Total Depth: 25 ft.
Borehole Diameter: 4 in.

Driller: Boart Longyear

Rig: Rotosonic
Bit(s): Not applicable
Drilling Fluid: Not applicable
Surface Casing: Flush mount

**Well Design:**

Basis: Geologic Log: X
Geophysical Log:
Casing String(s): C=Casing S=Screen

| | | |
|---|---|---|
| 0 | 15' | C |
| 15' | 25' | S |
| | | |
| | | |

Casing: C1 2 in. dia. PVC construction
C2
Screen: S1 2 in. dia. No 10 slotted, PVC.
S2
Centralizers: Not Applicable

Filter Material: Silica Sand 13' - 25'

Cement: 0' - 11'

Other: Bentonite seal 11' - 13'

**Construction Time Log:**

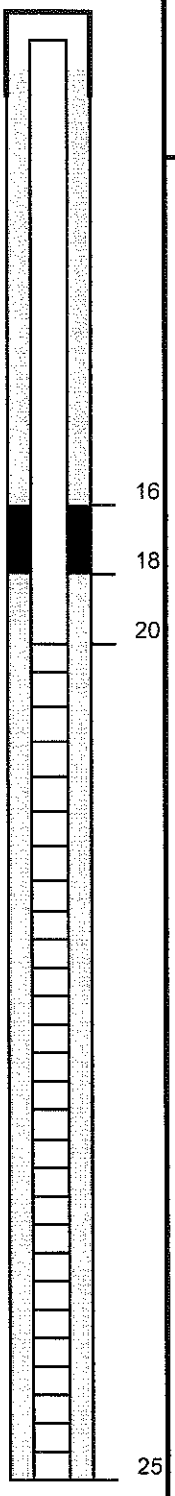
| Task | Start Date | Finish Date | |
|---|---|---|---|
| Drilling: | 09-Nov-11 | 09-Nov-11 | |
| | | | |
| Geophys. Logg | -- | -- | -- |
| Casing: | | | |
| | 09-Nov-11 | 09-Nov-11 | |
| | | | |
| | | | |
| Filter Placemen | 09-Nov-11 | 09-Nov-11 | |
| Cementing: | 09-Nov-11 | 09-Nov-11 | |
| Development: | | | |
| | | | |
| Other: | | | |

**Well Development:**

**Comments:**

Well I.D. 70

# Well Construction Summary




Project: Tech Town Tier 1 Investigation
Location: Dayton, Ohio
Personnel: Adam Anderson - Driller

Location or Coordinates: (N)
(E)

Elevation: Ground Level
Top of Casing

**Drilling Summary:**

Total Depth: 25 ft.
Borehole Diameter: 4 in.

Driller: Boart Longyear

Rig: Rotosonic
Bit(s): Not applicable
Drilling Fluid: Not applicable
Surface Casing: Flush mount

**Well Design:**

Basis: Geologic Log: X
Geophysical Log:

Casing String(s): C=Casing S=Screen

| | | |
|---|---|---|
| 0 | 20' | C |
| 20' | 25' | S |
| | | |
| | | |

Casing: C1 2 in. dia. PVC construction
C2

Screen: S1 2 in. dia. No 10 slotted, PVC.
S2

Centralizers: Not Applicable

Filter Material: Silica Sand 18' - 25'

Cement: 0' - 16'

Other: Bentonite seal 16' - 18'

**Construction Time Log:**

| Task | Start Date | Finish Date | |
|---|---|---|---|
| Drilling: | 09-Nov-11 | 09-Nov-11 | |
| | | | |
| Geophys. Logg | -- | -- | -- |
| Casing: | | | |
| | 09-Nov-11 | 09-Nov-11 | |
| | | | |
| | | | |
| Filter Placemen | 09-Nov-11 | 09-Nov-11 | |
| Cementing: | 09-Nov-11 | 09-Nov-11 | |
| Development: | | | |
| | | | |
| Other: | | | |
| | | | |
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| | | | |

**Well Development:**

**Comments:**

11/16/11

# MONITORING WELL SAMPLING LOG

| | |
|---|---|
| Well ID: MW-67 | Weather: |
| Purged by: Spha | Site Conditions: |
| Measurement Reference Point: TOC | Sample Number: DUP FT-MW67-111611 (PCBs, PAHs, metals, VOCs) |
| Static Water Level: 13.36 ft | Well Depth: 25ft |
| Initial Time: 1335 | Final Time: 1410 |
| Casing Diameter: 2" | Bore Volume: N/A |
| Pump Type: Bladder Pump | Depth to Pump Intake: 22.5 |

| Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (lpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1345 | 13.37 | 7.87 | 15.74 | 760 | 1.5 | 2.09 | 23.4 | 0.17 | Sheen observed in Purge, O/W meter indicates no LNAPL layer |
| 1350 | 13.38 | 7.90 | 15.84 | 755 | -0.6 | 1.10 | 15.5 | | |
| 1355 | 13.38 | 7.90 | 15.85 | 755 | -0.6 | 0.79 | 12.6 | | |
| 1400 | 13.37 | 7.88 | 15.86 | 754 | -0.8 | 0.65 | 10.9 | | |
| 1410 | 13.37 | 7.89 | 15.89 | 754 | -1.1 | 0.58 | 9.23 | | |

| Sample Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (lpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1410 | 13.37 | 7.89 | 15.89 | 754 | -1.1 | 0.58 | 9.23 | 0.17 | |

Notes: Roadbox VOC: Screened interval: 20-25 ft
Discharge Time: Well Headspace VOC:
Fill Time: Well cap in place? Yes / No
Fill Rate: Lock in place? Yes / No

6 L in 35 min

WESTON SOLUTIONS

# MONITORING WELL SAMPLING LOG

| | |
|---|---|
| Well ID: MW-65 | Weather: ~35, wind 5 mph from north, cloudy |
| Purged by: Roussos | Site Conditions: 2/7/12 |
| Measurement Reference Point: TOC, north | Sample Number: TT-MW65-020712 |

| Static Water Level: | Well Depth: | Initial Time: | Final Time: |
|---|---|---|---|
| 21.82 | 28.35 | 1300 | 1344 |

| Casing Diameter: | Bore Volume: | Pump Type: | Depth to Pump Intake: |
|---|---|---|---|
| 2" | | bladder pump | 24' |

| Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate ~~(gpm)~~ mL/min | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1320 | 21.80 | 6.27 | 11.57 | 1110 | 254.1 | 0.42 | | 250 | clear |
| 1325 | 21.80 | 6.27 | 11.86 | 1103 | 224.6 | 0.47 | | | clear |
| 1330 | 21.80 | 6.30 | 13.57 | 1112 | 207.6 | 0.33 | | | clear |
| 1335 | 21.80 | 6.37 | 13.47 | 1117 | 191.5 | 0.25 | | | clear |
| 1340 | 21.80 | 6.38 | 13.57 | 1118 | 181.6 | 0.22 | | ↓ | clear |
| | | | | | | | | | |
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| Sample Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (gpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1344 | 21.80 | 6.37 | 13.55 | 1117 | 180.2 | 0.23 | | 250 | clear |

Notes:
Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC:
Well Headspace VOC:
Well cap in place? Yes / No
Lock in place? Yes / No

Screened interval:

WESTON SOLUTIONS
Restoring Resource Efficiency

# MONITORING WELL SAMPLING LOG

| | |
|---|---|
| Well ID: MW-5 | Weather: ~35°F, Wind ~ 5 mph from N, cloudy |
| Purged by: Roussos | Site Conditions: 2/7/12 |
| Measurement Reference Point: TOC. – North | Sample Number: TT-MW5-020712 |

| Static Water Level: | Well Depth: | Initial Time: | Final Time: |
|---|---|---|---|
| 16.48' | 24.19' | 1452 | 1522 |

| Casing Diameter: | Bore Volume: | Pump Type: | Depth to Pump Intake: |
|---|---|---|---|
| 2" | | bladder pump | 21' |

| Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate ~~(gpm)~~ mL/min | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1505 | 16.49 | 6.37 | 12.51 | 1166 | 142.3 | 0.33 | | 250 | clear |
| 1510 | 16.49 | 6.34 | 12.95 | 1163 | 121.7 | 0.32 | | ↓ | clear |
| 1515 | 16.49 | 6.35 | 12.71 | 1170 | 101.8 | 0.28 | | | clear |
| 1520 | 16.49 | 6.34 | 12.88 | 1170 | 97.0 | 0.21 | | ↓ | clear |
| | | | | | | | | | |
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| Sample Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (gpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1522 | 16.49 | 6.34 | 12.91 | 1169 | 96.7 | 0.20 | | 250 | clear |

Notes:
Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC:
Well Headspace VOC:
Well cap in place? Yes / No
Lock in place? Yes / No

Screened interval:

WESTON SOLUTIONS

# MONITORING WELL SAMPLING LOG

| | |
|---|---|
| Well ID: MW-70 | Weather: N35°, wind 5mph from N, cloudy |
| Purged by: Roussos | Site Conditions: 2/7/11 |
| Measurement Reference Point: TOC, north | Sample Number: TT-MW70-020711 |

| Static Water Level: | Well Depth: | Initial Time: | Final Time: |
|---|---|---|---|
| 12.84 | 24.58' | 1140 | 1222 |

| Casing Diameter: | Bore Volume: | Pump Type: | Depth to Pump Intake: |
|---|---|---|---|
| 2" | | bladder pump | 21' |

| Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate ~~(gpm)~~ mL/min | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1155 | 12.83 | 6.58 | 14.53 | 1045 | 231.6 | 0.91 | ~~very clo~~ | 200 | very cloudy |
| 1200 | 12.83 | 6.60 | 14.65 | 1047 | 228.4 | 0.78 | | | cloudy |
| 1205 | 12.83 | 6.62 | 14.89 | 1052 | 224.6 | 0.57 | | | less cloudy |
| 1210 | 12.83 | 6.63 | 14.95 | 1054 | 222.2 | 0.49 | | | clear |
| 1215 | 12.83 | 6.63 | 14.95 | 1055 | 220.6 | 0.45 | | | clear |
| 1220 | 12.83 | 6.63 | 14.98 | 1055 | 219.4 | 0.38 | | | clear |

| Sample Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate ~~(gpm)~~ mL/min | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1222 | 12.83 | 6.63 | 14.99 | 1055 | 219.1 | 0.35 | | 200 | clear |

Notes:
Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC:
Well Headspace VOC:
Well cap in place? Yes / No
Lock in place? Yes / No

Screened interval:

WESTON SOLUTIONS
Restoring Resource Efficiency

# MONITORING WELL SAMPLING LOG

| | |
|---|---|
| Well ID: MW-68 | Weather: 35, wind 5mph from north |
| Purged by: Roussos / Robinson | Site Conditions: 2/7/12 |
| Measurement Reference Point: North, TOC | Sample Number: TT-MW68-020712 |

| Static Water Level: | Well Depth: | Initial Time: | Final Time: |
|---|---|---|---|
| 12.85' | 25.18' | 1005 | 1049 |

| Casing Diameter: | Bore Volume: | Pump Type: | Depth to Pump Intake: |
|---|---|---|---|
| 2" | | bladder pump | 21.5' |

| Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate mL/min (gpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1020 | 12.85 | 5.75 | 13.72 | 1166 | 253.2 | 0.83 | | 200 | |
| 1025 | 12.85 | 5.81 | 13.47 | 1165 | 248.7 | 0.46 | | ↓ | |
| 1030 | 12.85 | 5.85 | 13.36 | 1167 | 247.0 | 0.42 | | | |
| 1035 | 12.85 | 5.85 | 13.17 | 1165 | 243.0 | 0.38 | | | |
| 1040 | 12.85 | 5.86 | 13.18 | 1163 | 241.1 | 0.37 | | | |
| 1045 | 12.85 | 5.88 | 13.21 | 1163 | 235.3 | 0.84 | | ↓ | |
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| Sample Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate mL/min (gpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1049 | 12.85 | 5.89 | 13.19 | 1163 | 232.4 | 0.34 | | 200 | |

Notes:
Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC:
Well Headspace VOC:
Well cap in place? Yes / No
Lock in place? Yes / No

Screened interval:

WESTON SOLUTIONS
Restoring Resource Efficiency

# MONITORING WELL SAMPLING LOG

| | |
|---|---|
| Well ID: MW-67 | Weather: |
| Purged by: Roussos | Site Conditions: 2/8/12 |
| Measurement Reference Point: Top of well casing | Sample Number: |

| | | | |
|---|---|---|---|
| Static Water Level: 12.98 | Well Depth: | Initial Time: 1055 | Final Time: |
| Casing Diameter: 2" | Bore Volume: | Pump Type: n/a | Depth to Pump Intake: |

| Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (gpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| - did not sample - | | | | | | | | | |
| - no LNAPL present - | | | | | | | | | |

| Sample Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (gpm) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Notes:
Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC:
Well Headspace VOC:
Well cap in place? Yes / No
Lock in place? Yes / No

Screened interval:

# ATTACHMENT F
# ANALYTICAL RESULTS

## Concrete Samples from the Building 15 Trench

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

January 12, 2011

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DUA0361
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 01/10/11

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-CC-011011-001 | DUA0361-01 | 01/10/11 13:14 |
| TT-CC-011011-002 | DUA0361-02 | 01/10/11 13:20 |
| TT-CC-011011-003 | DUA0361-03 | 01/10/11 13:30 |
| TT-CC-011011-004 | DUA0361-04 | 01/10/11 13:32 |
| TT-CC-011011-005 | DUA0361-05 | 01/10/11 13:45 |
| TT-CC-011011-006 | DUA0361-06 | 01/10/11 14:00 |
| TT-CC-011011-007 | DUA0361-07 | 01/10/11 14:10 |
| TT-CC-011011-008 | DUA0361-08 | 01/10/11 14:35 |
| TT-CC-011011-009 | DUA0361-09 | 01/10/11 14:43 |
| TT-CC-011011-010 | DUA0361-10 | 01/10/11 14:46 |
| TT-CC-011011-011 | DUA0361-11 | 01/10/11 14:50 |
| TT-RIN-011011-001 | DUA0361-12 | 01/10/11 15:30 |

**Case Narrative:** Ohio VAP compliant.

Ohio Certification Number: 4074, 857

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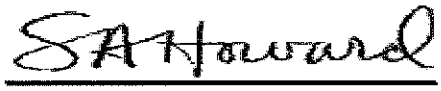
*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:



This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

..ston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-01 (TT-CC-011011-001 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:14** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.9** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.514 | | mg/kg dry | 0.514 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *93 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-02 (TT-CC-011011-002 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:20** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.1** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| 916 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| .221 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.509 | | mg/kg dry | 0.509 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *101 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-03 (TT-CC-011011-003 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:30** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.4** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.488 | | mg/kg dry | 0.488 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *104 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *99 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-04 (TT-CC-011011-004 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:32** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.8** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.525 | | mg/kg dry | 0.525 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *104 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *91 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-05 (TT-CC-011011-005 - Non-aqueous)** | | | | | **Sampled: 01/10/11 13:45** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.1** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.526 | | mg/kg dry | 0.526 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *98 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *92 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-06 (TT-CC-011011-006 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:00** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **94.0** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.522 | | mg/kg dry | 0.522 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *101 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *92 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-07 (TT-CC-011011-007 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:10** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.8** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.503 | | mg/kg dry | 0.503 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *101 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *92 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-08 (TT-CC-011011-008 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:35** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.7** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| 916 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| 1221 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **PCB-1254** | **0.548** | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.528 | | mg/kg dry | 0.528 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *98 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-09 (TT-CC-011011-009 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:43** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.3** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.523 | | mg/kg dry | 0.523 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *96 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *89 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0361-10 (TT-CC-011011-010 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:46** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.2** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **PCB-1254** | **0.520** | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.497 | | mg/kg dry | 0.497 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *103 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *97 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-11 (TT-CC-011011-011 - Non-aqueous)** | | | | | **Sampled: 01/10/11 14:50** | | | **Recvd: 01/10/11 16:45** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **93.1** | | % | 0.100 | 1 | 01/11/11 12:16 | jlb | 11A0312 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1221 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1232 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1242 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1248 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1254 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| PCB-1260 | <0.507 | | mg/kg dry | 0.507 | 1 | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *96 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *83 %* | | | | | 01/12/11 15:32 | JAP | 11A0288 | SW 8082 |
| **Sample ID: DUA0361-12 (TT-RIN-011011-001 - Water - NonPotable)** | | | | | **Sampled: 01/10/11 15:30** | | | **Recvd: 01/10/11 16:45** | |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1221 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1232 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1242 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1248 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1254 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| PCB-1260 | <0.200 | | ug/L | 0.200 | 1 | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-166%)* | *81 %* | | | | | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-157%)* | *58 %* | | | | | 01/12/11 15:55 | JAP | 11A0295 | SW 8082 |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0288 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 11A0288 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0288* | | | mg/kg wet | | | | | *105* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0288* | | | mg/kg wet | | | | | *87* | | *10-149* | | | |
| PCB-1016 | 11A0295 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 11A0295 | | | ug/L | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0295* | | | ug/L | | | | | *78* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0295* | | | ug/L | | | | | *94* | | *10-157* | | | |

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DUA0361-01** | | | | | | | | | | | | | |
| Dry Weight | 11A0312 | 93.9 | | % | N/A | 0.100 | 94.2 | | | | 0 | 10 | |

..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0361
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/10/11
Reported: 01/12/11 17:23

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0288 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.572 | | 114 | | 35-154 | | | |
| PCB-1260 | 11A0288 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.602 | | 120 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0288* | | | mg/kg wet | | | | | *104* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0288* | | | mg/kg wet | | | | | *97* | | *10-149* | | | |
| PCB-1016 | 11A0295 | | 0.500 | ug/L | N/A | 0.100 | 0.500 | | 100 | | 16-202 | | | |
| PCB-1260 | 11A0295 | | 0.500 | ug/L | N/A | 0.100 | 0.491 | | 98 | | 22-210 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0295* | | | ug/L | | | | | *80* | | *10-166* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0295* | | | ug/L | | | | | *74* | | *10-157* | | | |

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DUA0361-05** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0288 | <0.5259901 | 2.52 | mg/kg dry | N/A | 0.504 | 2.80 | 2.74 | 111 | 106 | 35-154 | 2 | 25 | |
| PCB-1260 | 11A0288 | <0.5259901 | 2.52 | mg/kg dry | N/A | 0.504 | 3.24 | 3.28 | 129 | 127 | 22-171 | 1 | 25 | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0288* | | | mg/kg dry | | | | | *102* | *99* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0288* | | | mg/kg dry | | | | | *95* | *96* | *10-149* | | | |

| | | | | | |
|---|---|---|---|---|---|
| ..estion Solutions Inc. (Dayton, OH) | Work Order: | DUA0361 | Received: | 01/10/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: | 01/12/11 17:23 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

DUA 0361

# Chain of Cu: Record

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: Weston Solutions, Inc. | Client Project Manager: Laura Funk | Site Contact: Tim Smith | Lab Contact: | COC No: |
| Address: 711 E Monument Ave, Ste 201 | Telephone: 937-531-4402 | Telephone: 937-367-7475 | Telephone: | 1 of 2 COCs |
| City/State/Zip: Dayton/OH/45402 | Email: Laura.Funk@WestonSolutions.com | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only |
| Phone: 937-531-4400 | | TAT if different from below _____ | | Walk-in client ☐ |
| Project Name: Tech Town | Method of Shipment/Carrier: | ☐ 3 weeks | | Lab pickup ☐ |
| Project Number: 12473.005.007 | Shipping/Tracking No: | ☐ 2 weeks | | Lab sampling ☐ |
| PO # | | ☐ 1 week | | Job/SDG No: |
| | | ☑ 2 days | | |
| | | ☐ 1 day | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: Concrete | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: Jome | Filtered Sample (Y/N) | Composite=C / Grab=G | PCBs (8082) | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-CC-011011-001 | 1/10/11 | 1314 | | | | | | | | | | | X | 1 | N | C | | |
| TT-CC-011011-002 | " | 1320 | | | | | | | | | | | " | 1 | " | " | | |
| TT-CC-011011-003 | " | 1330 | | | | | | | | | | | " | 1 | " | " | | |
| TT-CC-011011-004 | " | 1332 | | | | | | | | | | | " | 1 | " | " | | |
| TT-CC-011011-005 | " | 1345 | | | | | | | | | | | " | 3 | " | " | | MS/MSD — 3 containers |
| TT-CC-011011-006 | " | 1400 | | | | | | | | | | | " | 1 | " | " | | |
| TT-CC-011011-007 | " | 1410 | | | | | | | | | | | " | 1 | " | " | | |
| TT-CC-011011-008 | " | 1435 | | | | | | | | | | | " | 1 | " | " | | |
| TT-CC-011011-009 | " | 1443 | | | | | | | | | | | " | 1 | " | " | | |
| TT-CC-011011-010 | " | 1446 | | | | | | | | | | | " | 1 | " | " | | |

Possible Hazard Identification: ☒ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| David Sena | Weston | 1-10-11 / 1645 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | | | | | |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |
| | | | [signature] | TA | 1/10/11 1645 |

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# Chain of Custody Record

DUA-0361

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | | |
|---|---|---|---|---|---|
| Company Name: Weston Solutions Inc. | Client Project Manager: Laura Funk | Site Contact: Tim Smith | Lab Contact: | COC No: | |
| Address: 711 E Monument Ave, Ste 201 | Telephone: 937-531-4402 | Telephone: 937-367-7475 | Telephone: | 2 of 2 COCs | |
| City/State/Zip: Dayton/OH/45402 | Email: Laura.Funk@WestonSolutions.com | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only | |
| Phone: 937-531-4400 | | TAT if different from below _____ | | Walk-in client ☐ | |
| Project Name: Tech Town | Method of Shipment/Carrier: By hand by client | ☐ 3 weeks | | Lab pickup ☐ | |
| Project Number: 124B05.007 | Shipping/Tracking No: | ☐ 2 weeks | | Lab sampling ☐ | |
| PO# | | ☐ 1 week | | Job/SDG No: | |
| | | ☒ 2 days | | | |
| | | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Filtered Sample (Y/N) | Composite=C / Grab=G | PCBs (8082) | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-CC-011011-011 | 1/10/11 | 1450 | | | | X | | | | | | | 1 | | N | C | X | |
| TT-RIN-011011-001 | 1/10/11 | 1530 | | X | | | | | | | | | 2 | | N | C | X | |
| 05 — Last Item | | | | | | | | | | | | | | | | | | 05 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

Possible Hazard Identification
☒ 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:

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| David Jones | Weston | 1/10/11 1645 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | | | | | |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |
| | | | [signature] | TA | 1/10/11 1645 |

TAL-0018 (1008)

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S
☐ Discrepancies Client ID Weston
☐ Short Hold Work Order # DVA0361
☒ Rush ☐24hr ☒2day ☐3day ☐5day ☐other
Receipt evaluation performed by - Initials: BJD Date: 1/10/11 Time: 1645

**Method of Shipment:**
☒ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☒ Cooler ☐ Box
☐ None ☐ Other

**Packing Materials:**
☒ Plastic Bags ☐ Foam
☒ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☐ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☒ N/A (not used or required)

**Cooling Materials:**
☒ Ice (solid) ☐ Ice (Melted)
☐ Blue Ice ☐ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☒ No ☐ Yes (If Yes, *Project Manager must be notified*).

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 13.4 | 12.4 | ☐ | ☒ | ☒Yes ☐No | ☒Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**
Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:
☐ Discrepancy allowance agreement is on record in the client project file.
Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

[signature] 1/11/11 1061

Reviewed by PM Ci...

WI No. DT-SCA-WI-001.0

## Soil Samples from Building 15 Trench Excavation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## Certified Lab Affidavit

State of Ohio )
) ss:
County of Montgomery )

I, ***Shelly Howard***, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by TestAmerica Laboratories, Inc. as ***Project Manager***. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. TestAmerica Laboratories, Inc. performed analyses for ***Weston Solutions Inc.*** for a voluntary action at property known as ***Tech Town Remediation*** located in ***Dayton, Ohio.***

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

| Document ID | Date of Document |
|---|---|
| ***DUA0361*** | ***January 12, 2011*** |

6. TestAmerica Laboratories, Inc. was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. The analyses under this affidavit consist of certified data, as described by OAC 3745-300-04.

8. TestAmerica Laboratories, Inc. performed the analyses within its current VAP certification (CL0018). The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

9. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Signature of Affiant

DONNA L CORVO NOTARY PUBLIC STATE OF OHIO My Comm. Expires March 2, 2015

Sworn to before me and subscribed in my presence this 12th day of January, 2011.

Notary Public

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

January 19, 2011

Client:

Weston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402

Attn: Laura Funk

Work Order: DUA0553
Project Name: Tech Town Remediation
Project Number: 12473.005.007

Date Received: 01/14/11

**Samples logged in at Dayton laboratory.**

An executed copy of the Chain of Custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at the number shown above.

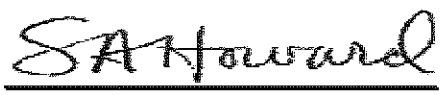
| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|---|---|---|
| TT-SO-011311-T15N-01 | DUA0553-01 | 01/13/11 14:30 |
| TT-SO-011311-T15N-02 | DUA0553-02 | 01/13/11 14:35 |
| TT-SO-011411-T15N-01 | DUA0553-03 | 01/14/11 11:20 |
| TT-SO-011411-T15N-02 | DUA0553-04 | 01/14/11 11:30 |
| TT-SO-011411-T15N-03 | DUA0553-05 | 01/14/11 11:35 |

Ohio Certification Number: 4074, 857

*Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.*

*TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.*

Report Approved By:



This report has been electronically signed.

**TestAmerica Dayton**
Shelly A. Howard
Dayton Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4738 Gateway Circle Dayton, OH 45440 (800) 572-9839
339 W. Walton Blvd Pontiac, MI 48340 (800) 526-4951

| | | | |
|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: 01/14/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0553-01 (TT-SO-011311-T15N-01 - Non-aqueous)** | | | | | **Sampled: 01/13/11 14:30** | | **Recvd: 01/14/11 14:38** | | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **92.4** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **457** | M | mg/kg dry | 108 | 1000 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.108 | M | mg/kg dry | 0.108 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *61 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *45 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **Sample ID: DUA0553-02 (TT-SO-011311-T15N-02 - Non-aqueous)** | | | | | **Sampled: 01/13/11 14:35** | | **Recvd: 01/14/11 14:38** | | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **87.5** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **170** | | mg/kg dry | 22.8 | 200 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.114 | | mg/kg dry | 0.114 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *76 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *73 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **Sample ID: DUA0553-03 (TT-SO-011411-T15N-01 - Non-aqueous)** | | | | | **Sampled: 01/14/11 11:20** | | **Recvd: 01/14/11 14:38** | | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **84.5** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **59.7** | | mg/kg dry | 23.3 | 200 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *76 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *78 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |

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|---|---|---|---|
| ..eston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: 01/14/11 |
| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | RL | Dilution Factor | Date Analyzed | Analyst | Seq/ Batch | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Sample ID: DUA0553-04 (TT-SO-011411-T15N-02 - Non-aqueous)** | | | | | **Sampled: 01/14/11 11:30** | | | **Recvd: 01/14/11 14:38** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **84.9** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| PCB-1016 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1221 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **207** | | mg/kg dry | 23.2 | 200 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *69 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *55 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **Sample ID: DUA0553-05 (TT-SO-011411-T15N-03 - Non-aqueous)** | | | | | **Sampled: 01/14/11 11:35** | | | **Recvd: 01/14/11 14:38** | |
| General Chemistry Parameters | | | | | | | | | |
| **Dry Weight** | **85.4** | | % | 0.100 | 1 | 01/14/11 15:39 | jlb | 11A0486 | SW 846 |
| Organochlorine Pesticides/PCBs | | | | | | | | | |
| 016 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| 1221 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1232 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1242 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1248 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| **PCB-1254** | **488** | | mg/kg dry | 116 | 1000 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| PCB-1260 | <0.116 | | mg/kg dry | 0.116 | 1 | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Tetrachloro-meta-xylene (10-127%)* | *70 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |
| *Surr: Decachlorobiphenyl (10-149%)* | *61 %* | | | | | 01/17/11 15:46 | JAP | 11A0450 | SW 8082 |

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| 711 East Monument Ave. Suite 201 | Project: | Tech Town Remediation | Reported: 01/19/11 07:07 |
| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LABORATORY BLANK QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0450 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| PCB-1260 | 11A0450 | | | mg/kg wet | N/A | 0.100 | <0.100 | | | | | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0450* | | | mg/kg wet | | | | | *94* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0450* | | | mg/kg wet | | | | | *105* | | *10-149* | | | |

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..eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0553
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/14/11
Reported: 01/19/11 07:07

## LABORATORY DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry Parameters** | | | | | | | | | | | | | |
| **QC Source Sample: DUA0553-05** | | | | | | | | | | | | | |
| Dry Weight | 11A0486 | 85.4 | | % | N/A | 0.100 | 90.7 | | | | 6 | 10 | |

| | | | |
|---|---|---|---|
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| Dayton, OH 45402 | Project Number: | 12473.005.007 | |
| Laura Funk | | | |

## LCS/LCS DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0450 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.538 | | 108 | | 35-154 | | | |
| PCB-1260 | 11A0450 | | 0.500 | mg/kg wet | N/A | 0.100 | 0.570 | | 114 | | 22-171 | | | |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0450* | | | mg/kg wet | | | | | *94* | | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0450* | | | mg/kg wet | | | | | *96* | | *10-149* | | | |

.. eston Solutions Inc. (Dayton, OH)
711 East Monument Ave. Suite 201
Dayton, OH 45402
Laura Funk

Work Order: DUA0553
Project: Tech Town Remediation
Project Number: 12473.005.007

Received: 01/14/11
Reported: 01/19/11 07:07

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Seq/ Batch | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides/PCBs** | | | | | | | | | | | | | | |
| **QC Source Sample: DUA0553-01** | | | | | | | | | | | | | | |
| PCB-1016 | 11A0450 | <0.1075255 | 0.536 | mg/kg dry | N/A | 0.107 | 1.55 | 1.62 | 290 | 301 | 35-154 | 4 | 25 | E,M |
| PCB-1260 | 11A0450 | <0.1075255 | 0.536 | mg/kg dry | N/A | 0.107 | 46.9 | 46.5 | 8760 | 8620 | 22-171 | 1 | 25 | E,M |
| *Surrogate: Tetrachloro-meta-xylene* | *11A0450* | | | mg/kg dry | | | | | *60* | *68* | *10-127* | | | |
| *Surrogate: Decachlorobiphenyl* | *11A0450* | | | mg/kg dry | | | | | *51* | *46* | *10-149* | | | |

| | | | | | |
|---|---|---|---|---|---|
| Weston Solutions Inc. (Dayton, OH) | Work Order: | DUA0553 | Received: | 01/14/11 |
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| Dayton, OH 45402 | Project Number: | 12473.005.007 | | |
| Laura Funk | | | | |

## CERTIFICATION SUMMARY

*Any abnormalities or departures from sample acceptance policy shall be documented on the Chain of Custody and/or Case Narrative included with this report.*

*For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com*

*Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .*

## DATA QUALIFIERS AND DEFINITIONS

| | |
|---|---|
| E | Concentration exceeds the calibration range and therefore result is semi-quantitative. |
| M | The MS, MSD, and/or RPD are outside of acceptance limits due to matrix interference. Please see Blank Spike (LCS). |

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted in the units.

## ANALYSIS LOCATIONS

Any analyses listed below were analyzed in satellite facilities

4738 GATEWAY CIR #H
DAYTON, OH

# Chain of Custody Record

DUA 0553

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

| Client Contact | | | | |
|---|---|---|---|---|
| Company Name: WESTON SOLUTIONS, INC. | Client Project Manager: LAURA FUNK | Site Contact: TIM SMITH | Lab Contact: | COC No: |
| Address: 711 E. MONUMENT AVE SUITE 201 | Telephone: 937. 531. 4402 | Telephone: 937-367-7475 | Telephone: | 1 of 1 COCs |
| City/State/Zip: DAYTON, OH 45402 | Email: | Analysis Turnaround Time (In BUS days) | Analyses | For lab use only |
| Phone: 937. 531. 4400 | | TAT if different from below 24 HR. | | Walk-in client ☐ |
| Project Name: TECH TOWN | Method of Shipment/Carrier: DIRECT FROM FIELD | ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day | | Lab pickup ☐ Lab sampling ☐ |
| Project Number: 12473. 005. 007 | Shipping/Tracking No: | | | Job/SDG No: |
| PO# | | | | |

| Sample Identification | Sample Date | Sample Time | Matrix: Air | Aqueous | Sediment | Solid | Other: | Containers & Preservatives: H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | Unpres | Other: | Volume | Filtered Sample (Y/N) | Composite=C / Grab=G | Analyses: PCB's 8082 | TCLP Hold | Sample Specific Notes / Special Instructions: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-SO-011311-TISN-01 | 1/13/11 | 1430 | | | | X | | | | | | | | 1 | | | | X | | |
| TT-SO-011311-TISN-02 | 1/13/11 | 1435 | | | | X | | | | | | | | 1 | | | | X | | |
| TT-SO-011411-TISN-01 | 1/14/11 | 1120 | | | | X | | | | | | | | 1 | | | | X | | |
| TT-SO-011411-TISN-02 | 1/14/11 | 1130 | | | | X | | | | | | | | 1 | | | | X | | |
| TT-SO-011411-TISN-03 | 1/14/11 | 1135 | | | | X | | | | | | | | 1 | | | | X | | |
| TT-SO-011411-TISN-04 | 1/14/11 | 1140 | | | | X | | | | | | | | 1 | | | | | X | |
| — LAST ITEM — | | | | | | | | | | | | | | | | | | | | |

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown | ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months |

Special Instructions/QC Requirements & Comments:
RUSH - 24 HR TURN

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| T-SMITH | WESTON | 1/14/11 1438 | | | |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | | | | | |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |
| | | | Jamm. Tutalo | TA | 1/14/11 14:35 |

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THE LEADER IN ENVIRONMENTAL TESTING

# Cooler/Sample Receipt

☐ MSDS or Known Hazard Information Supplied by Client
☐ Bottle stickers applied ☐ ELEMENT comment entered ☐ MSDS/COC scanned/emailed to EH&S

☐ Discrepancies Client ID Wiston

☐ Short Hold Work Order # DUA 0553

☑ Rush ☐24hr ☐2day ☐3day ☐5day ☐other

Receipt evaluation performed by - Initials: JMT Date: 1/14/11 Time:

**Method of Shipment:**
☑ Walk-In Client ☐ TestAmerica Field/Courier
☐ Other Client/3rd Party Courier
☐ Fed Ex Tracking #
☐ UPS Tracking #
☐ Other

**Shipping Container Type:**
☑ Cooler ☐ Box
☐ None ☐ Other

**Packing Materials:**
☐ Plastic Bags ☐ Foam
☐ Bubble Wrap ☐ Paper
☐ Packing Peanuts ☑ None
☐ Other

**Custody Seals Intact:**
☐ Yes ☐ No
☑ N/A (not used or required)

**Cooling Materials:**
☐ Ice *(solid)* ☐ Ice *(Melted)*
☐ Blue Ice ☑ None
☐ Other

Are there any soil samples from areas requiring USDA quarantine? *(AL, AR, AZ, CA, FL, GA, HI, ID, LA MS, NC, NM, NY, OK, SC, TN, TX, VA, Puerto Rico, Virgin Islands, any other Non-Domestic area)* ☑ No ☐ Yes *(if Yes, Project Manager must be notified).*

☐ Check if Additional Sheets Required

**Receipt Temperatures**

| Thermometer ID | Observed (°C) | Corrected (°C) | Temp Blank | Sample Temp | Received on same day sampled? | Acceptable?* | Cooler ID | Note Affected Samples if temperature not acceptable |
|---|---|---|---|---|---|---|---|---|
| G | 4.7 | 4.2 | ☑ | ☐ | ☑Yes ☑No | ☑Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |
| | | | ☐ | ☐ | ☐Yes ☐No | ☐Yes ☐No | | |

* Receipt temperatures are considered acceptable if the samples are received on the same day they were collected & show signs that the cooling process has started. Temperature acceptance for most tests is ≤6.0°C, but not frozen. For additional information, please refer to SOP DT-SCA-004 *Sample Receipt and Login, Attachment 2 – Holding Times, Preservation and Container Requirements.*

| Receipt Questions** | Y | N | n/a | "No" answers require additional comment |
|---|---|---|---|---|
| COC present & TA receipt signature, date, & time properly documented? | ✓ | | | |
| Containers & labels in good condition? *(unbroken, not leaking, appropriately filled, labels legible & attached)* | ✓ | | | |
| Appropriate containers used & adequate volume provided? | ✓ | | | |
| Number of sample containers match COC? | ✓ | | | |
| Samples received within hold time? | ✓ | | | |
| Samples submitted for GRO and Volatiles analyses (8260, 624, 524) received without headspace? | | | ✓ | |
| Was a Trip Blank received with VOA samples? | | | ✓ | |
| Were the samples free of any questionable physical conformities? For example, field duplicates or multiple bottles of the same sample do not significantly vary in appearance (color, proportion of solids, etc.) | ✓ | | | |
| Were the COC, bottle labels, and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client? | ✓ | | | |

** May not be applicable if samples are not for compliance testing

**Client Contact Record**

Contact via: ☐ Phone ☐ Email ☐ Other Person Contacted: Date/Time:

☐ Discrepancy allowance agreement is on record in the client project file.

Discussion/Resolution:

*Any additional documentation and clarification from client must be noted in the narrative and/or scanned into the COC directory.*

SL 1/14/11 logl

Reviewed by PM Ci...

WI No. DT-SCA-WI-001.0

# AOI 36 May 2011 Delineation

Belmont Labs
The Environmental Service Company.

Monday, May 16, 2011
Analytical Results

Laura Funk
Weston Solutions, Inc. - Dayton
711 East Monument, Ste 201
Dayton, OHIO 45402
TEL: (937) 531-4400
FAX (937) 384-4201

RE: Tech Town

Work Order: 11E0568

Belmont Labs received 22 sample(s) on 5/12/2011 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed. USEPA's RCRA Program regards a statement of quality assurance as a legal means of assuring that acceptable and uniform laboratory methods and QA/QC practices were followed by the laboratory.

If you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Green
Project Manager

**Certifications:** NELAP/NELAC - #04130 VAP - #CL0032
Ohio EPA Drinking water - #836 Ohio EPA Drinking water (Micro) - #872

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Sampled Date | Received Date |
|---|---|---|---|
| 11E0568-01A | TT-T15-SB216-02-051111 | 5/11/2011 1:25:00PM | 5/12/2011 |
| 11E0568-02A | TT-T15-SB216-02-051111DP | 5/11/2011 1:25:00PM | 5/12/2011 |
| 11E0568-03A | TT-T15-SB216-04-051111 | 5/11/2011 1:27:00PM | 5/12/2011 |
| 11E0568-04A | TT-T15-SB216-06-051111 | 5/11/2011 1:31:00PM | 5/12/2011 |
| 11E0568-05A | TT-T15-SB216-08-051111 | 5/11/2011 1:33:00PM | 5/12/2011 |
| 11E0568-06A | TT-T15-SB216-10-051111 | 5/11/2011 1:40:00PM | 5/12/2011 |
| 11E0568-07A | TT-T15-SB216-12-051111 | 5/11/2011 3:45:00PM | 5/12/2011 |
| 11E0568-08A | TT-T15-SB216-051111-RI | 5/11/2011 3:50:00PM | 5/12/2011 |
| 11E0568-09A | TT-T15-SS219-02-051111 | 5/11/2011 11:50:00AM | 5/12/2011 |
| 11E0568-10A | TT-T15-SS220-02-051111 | 5/11/2011 2:30:00PM | 5/12/2011 |
| 11E0568-11A | TT-T15-SB217-02-051111 | 5/11/2011 2:28:00PM | 5/12/2011 |
| 11E0568-12A | TT-T15-SB217-04-051111 | 5/11/2011 2:30:00PM | 5/12/2011 |
| 11E0568-13A | TT-T15-SB217-06-051111 | 5/11/2011 2:38:00PM | 5/12/2011 |
| 11E0568-14A | TT-T15-SB217-08-051111 | 5/11/2011 2:41:00PM | 5/12/2011 |
| E0568-15A | TT-T15-SB217-10-051111 | 5/11/2011 2:45:00PM | 5/12/2011 |
| 11E0568-16A | TT-T15-SB217-12-051111 | 5/11/2011 2:47:00PM | 5/12/2011 |
| 11E0568-17A | TT-T15-SB218-02-051111 | 5/11/2011 12:11:00PM | 5/12/2011 |
| 11E0568-18A | TT-T15-SB218-04-051111 | 5/11/2011 12:13:00PM | 5/12/2011 |
| 11E0568-19A | TT-T15-SB218-06-051111 | 5/11/2011 12:15:00PM | 5/12/2011 |
| 11E0568-20A | TT-T15-SB218-08-051111 | 5/11/2011 12:20:00PM | 5/12/2011 |
| 11E0568-21A | TT-T15-SB218-10-051111 | 5/11/2011 12:26:00PM | 5/12/2011 |
| 11E0568-22A | TT-T15-SB218-12-051111 | 5/11/2011 3:15:00PM | 5/12/2011 |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-01
**Client Sample ID:** TT-T15-SB216-02-051111
**Collection Date:** 5/11/2011 1:25:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1221 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1232 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1242 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1248 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| **Aroclor 1254** | **0.456** | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| Aroclor 1260 | BDL | 0.114 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:29:00PM |
| *Surrogate: Decachlorobiphenyl* | *108 %* | | | *40-159* | | *1120241* | 5/13/2011 4:29:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *66.0 %* | | | *47-125* | | *1120241* | 5/13/2011 4:29:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **15.5** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-02 **Collection Date:** 5/11/2011 1:25:00PM
**Client Sample ID:** TT-T15-SB216-02-051111DP **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1221 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1232 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1242 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1248 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| **Aroclor 1254** | **1.80** | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| Aroclor 1260 | BDL | 0.127 | | mg/kg dry | 1 | 1120241 | 5/13/2011 4:45:00PM |
| *Surrogate: Decachlorobiphenyl* | *114 %* | | | *40-159* | | *1120241* | 5/13/2011 4:45:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1120241* | 5/13/2011 4:45:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **23.6** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-03 **Collection Date:** 5/11/2011 1:27:00PM
**Client Sample ID:** TT-T15-SB216-04-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1221 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1232 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1242 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1248 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1254 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| Aroclor 1260 | BDL | 0.121 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:01:00PM |
| *Surrogate: Decachlorobiphenyl* | *98.0 %* | | | *40-159* | | *1120241* | 5/13/2011 5:01:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *48.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:01:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **28.0** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CNT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-04 **Collection Date:** 5/11/2011 1:31:00PM
**Client Sample ID:** TT-T15-SB216-06-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1221 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1232 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1242 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1248 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| **Aroclor 1254** | **1.07** | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| Aroclor 1260 | BDL | 0.125 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:17:00PM |
| *Surrogate: Decachlorobiphenyl* | *102 %* | | | *40-159* | | *1120241* | 5/13/2011 5:17:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *56.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:17:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.9** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-05 **Collection Date:** 5/11/2011 1:33:00PM
**Client Sample ID:** TT-T15-SB216-08-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1221 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1232 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1242 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| Aroclor 1248 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| **Aroclor 1254** | **25.4** | 2.23 | | mg/kg dry | 20 | 1120241 | 5/14/2011 12:54:00PM |
| Aroclor 1260 | BDL | 0.112 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:33:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1120241* | 5/13/2011 5:33:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *58.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:33:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **10.6** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CNT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-06 **Collection Date:** 5/11/2011 1:40:00PM
**Client Sample ID:** TT-T15-SB216-10-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1221 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1232 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1242 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| Aroclor 1248 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| **Aroclor 1254** | **32.2** | 2.12 | | mg/kg dry | 20 | 1120241 | 5/14/2011 1:10:00PM |
| Aroclor 1260 | BDL | 0.106 | | mg/kg dry | 1 | 1120241 | 5/13/2011 5:49:00PM |
| *Surrogate: Decachlorobiphenyl* | *108 %* | | | *40-159* | | *1120241* | 5/13/2011 5:49:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *62.0 %* | | | *47-125* | | *1120241* | 5/13/2011 5:49:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **11.4** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-07 **Collection Date:** 5/11/2011 3:45:00PM
**Client Sample ID:** TT-T15-SB216-12-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1221 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1232 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1242 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| Aroclor 1248 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| **Aroclor 1254** | **168** | 11.8 | | mg/kg dry | 100 | 1120241 | 5/14/2011 2:15:00PM |
| Aroclor 1260 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:05:00PM |
| *Surrogate: Decachlorobiphenyl* | *90.0 %* | | | *40-159* | | *1120241* | 5/13/2011 6:05:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *70.0 %* | | | *47-125* | | *1120241* | 5/13/2011 6:05:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **15.5** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-08 **Collection Date:** 5/11/2011 3:50:00PM
**Client Sample ID:** TT-T15-SB216-051111-RI **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1254 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1120217 | 5/12/2011 5:55:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *36-157* | | *1120217* | 5/12/2011 5:55:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *104 %* | | | *28-127* | | *1120217* | 5/12/2011 5:55:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-09 **Collection Date:** 5/11/2011 11:50:00AM
**Client Sample ID:** TT-T15-SS219-02-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1221 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1232 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1242 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| Aroclor 1248 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| **Aroclor 1254** | **118** | 11.9 | | mg/kg dry | 100 | 1120241 | 5/14/2011 2:31:00PM |
| Aroclor 1260 | BDL | 0.119 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:21:00PM |
| *Surrogate: Decachlorobiphenyl* | *104 %* | | | *40-159* | | *1120241* | 5/13/2011 6:21:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1120241* | 5/13/2011 6:21:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.9** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-10
**Client Sample ID:** TT-T15-SS220-02-051111
**Collection Date:** 5/11/2011 2:30:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1221 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1232 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1242 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1248 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| **Aroclor 1254** | **1.67** | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| Aroclor 1260 | BDL | 0.118 | | mg/kg dry | 1 | 1120241 | 5/13/2011 6:37:00PM |
| *Surrogate: Decachlorobiphenyl* | *116 %* | | | *40-159* | | *1120241* | 5/13/2011 6:37:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *54.0 %* | | | *47-125* | | *1120241* | 5/13/2011 6:37:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **20.1** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-11 **Collection Date:** 5/11/2011 2:28:00PM
**Client Sample ID:** TT-T15-SB217-02-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1221 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1232 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1242 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1248 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| **Aroclor 1254** | **0.208** | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| Aroclor 1260 | BDL | 0.131 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:34:00AM |
| *Surrogate: Decachlorobiphenyl* | *110 %* | | | *40-159* | | *1120241* | 5/14/2011 11:34:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *62.0 %* | | | *47-125* | | *1120241* | 5/14/2011 11:34:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **26.3** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-12 **Collection Date:** 5/11/2011 2:30:00PM
**Client Sample ID:** TT-T15-SB217-04-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1221 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1232 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1242 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1248 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1254 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| Aroclor 1260 | BDL | 0.129 | | mg/kg dry | 1 | 1120241 | 5/13/2011 7:41:00PM |
| *Surrogate: Decachlorobiphenyl* | | *100 %* | | *40-159* | | *1120241* | 5/13/2011 7:41:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *44.0 %* | *S-QC* | *47-125* | | *1120241* | 5/13/2011 7:41:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **25.0** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-13 **Collection Date:** 5/11/2011 2:38:00PM
**Client Sample ID:** TT-T15-SB217-06-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1221 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1232 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1242 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1248 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| **Aroclor 1254** | **0.479** | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| Aroclor 1260 | BDL | 0.0964 | | mg/kg dry | 1 | 1120241 | 5/14/2011 11:50:00AM |
| *Surrogate: Decachlorobiphenyl* | | *104 %* | | *40-159* | | *1120241* | 5/14/2011 11:50:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *58.0 %* | | *47-125* | | *1120241* | 5/14/2011 11:50:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **10.7** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-14
**Client Sample ID:** TT-T15-SB217-08-051111
**Collection Date:** 5/11/2011 2:41:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1221 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1232 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1242 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1248 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| **Aroclor 1254** | **0.740** | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| Aroclor 1260 | BDL | 0.109 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:06:00PM |
| *Surrogate: Decachlorobiphenyl* | *104 %* | | | *40-159* | | *1120241* | 5/14/2011 12:06:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1120241* | 5/14/2011 12:06:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **14.1** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-15 **Collection Date:** 5/11/2011 2:45:00PM
**Client Sample ID:** TT-T15-SB217-10-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1221 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1232 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1242 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| Aroclor 1248 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| **Aroclor 1254** | **399** | 21.1 | | mg/kg dry | 200 | 1120241 | 5/14/2011 2:47:00PM |
| Aroclor 1260 | BDL | 0.105 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:29:00PM |
| *Surrogate: Decachlorobiphenyl* | *92.0 %* | | | *40-159* | | *1120241* | 5/13/2011 8:29:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *62.0 %* | | | *47-125* | | *1120241* | 5/13/2011 8:29:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **6.24** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11E0568

**Lab ID:** 11E0568-16
**Client Sample ID:** TT-T15-SB217-12-051111
**Collection Date:** 5/11/2011 2:47:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1221 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1232 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1242 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| Aroclor 1248 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| **Aroclor 1254** | **474** | 19.1 | | mg/kg dry | 200 | 1120241 | 5/14/2011 3:03:00PM |
| Aroclor 1260 | BDL | 0.0956 | | mg/kg dry | 1 | 1120241 | 5/13/2011 8:45:00PM |
| *Surrogate: Decachlorobiphenyl* | *99.0 %* | | | *40-159* | | *1120241* | 5/13/2011 8:45:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *79.0 %* | | | *47-125* | | *1120241* | 5/13/2011 8:45:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **8.08** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-17 **Collection Date:** 5/11/2011 12:11:00PM
**Client Sample ID:** TT-T15-SB218-02-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1221 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1232 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1242 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| Aroclor 1248 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| **Aroclor 1254** | **6.31** | 1.07 | | mg/kg dry | 10 | 1120241 | 5/14/2011 12:38:00PM |
| Aroclor 1260 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:02:00PM |
| *Surrogate: Decachlorobiphenyl* | *123 %* | | | *40-159* | | *1120241* | 5/13/2011 9:02:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *74.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:02:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **17.6** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-18 **Collection Date:** 5/11/2011 12:13:00PM
**Client Sample ID:** TT-T15-SB218-04-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1221 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1232 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1242 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| Aroclor 1248 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| **Aroclor 1254** | **0.924** | 0.116 | | mg/kg dry | 1 | 1120241 | 5/14/2011 12:22:00PM |
| Aroclor 1260 | BDL | 0.116 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:18:00PM |
| *Surrogate: Decachlorobiphenyl* | *109 %* | | | *40-159* | | *1120241* | 5/13/2011 9:18:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *64.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:18:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **15.0** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-19 **Collection Date:** 5/11/2011 12:15:00PM
**Client Sample ID:** TT-T15-SB218-06-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1221 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1232 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1242 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| Aroclor 1248 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| **Aroclor 1254** | **378** | 24.8 | | mg/kg dry | 200 | 1120241 | 5/14/2011 3:19:00PM |
| Aroclor 1260 | BDL | 0.124 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:34:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1120241* | 5/13/2011 9:34:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *64.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:34:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.3** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-20 **Collection Date:** 5/11/2011 12:20:00PM
**Client Sample ID:** TT-T15-SB218-08-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1221 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1232 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1242 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| Aroclor 1248 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| **Aroclor 1254** | **30.6** | 2.14 | | mg/kg dry | 20 | 1120241 | 5/14/2011 1:26:00PM |
| Aroclor 1260 | BDL | 0.107 | | mg/kg dry | 1 | 1120241 | 5/13/2011 9:50:00PM |
| *Surrogate: Decachlorobiphenyl* | *126 %* | | | *40-159* | | *1120241* | 5/13/2011 9:50:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1120241* | 5/13/2011 9:50:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **10.9** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs** **Date:** 5/16/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-21 **Collection Date:** 5/11/2011 12:26:00PM
**Client Sample ID:** TT-T15-SB218-10-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1221 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1232 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1242 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| Aroclor 1248 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| **Aroclor 1254** | **320** | 19.7 | | mg/kg dry | 200 | 1120241 | 5/14/2011 3:35:00PM |
| Aroclor 1260 | BDL | 0.0985 | | mg/kg dry | 1 | 1120241 | 5/13/2011 10:06:00PM |
| *Surrogate: Decachlorobiphenyl* | *80.0 %* | | | *40-159* | | *1120241* | 5/13/2011 10:06:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *54.0 %* | | | *47-125* | | *1120241* | 5/13/2011 10:06:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **8.54** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11E0568
**Project:** Tech Town

**Lab ID:** 11E0568-22 **Collection Date:** 5/11/2011 3:15:00PM
**Client Sample ID:** TT-T15-SB218-12-051111 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1221 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1232 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1242 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| Aroclor 1248 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| **Aroclor 1254** | **79.7** | 4.95 | | mg/kg dry | 50 | 1120265 | 5/14/2011 1:46:00PM |
| Aroclor 1260 | BDL | 0.0991 | | mg/kg dry | 1 | 1120265 | 5/14/2011 9:47:00PM |
| *Surrogate: Decachlorobiphenyl* | *104 %* | | | *40-159* | | *1120265* | 5/14/2011 9:47:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *88.0 %* | | | *47-125* | | *1120265* | 5/14/2011 9:47:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **7.96** | | | % by Weight | 1 | 1121003 | 5/13/2011 2:00:00PM |

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number 11E0568

Purchase Order No. | Client Project: Tech Town

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc. Ste 201
Address: 711 E. Monument Ave.
City, State, Zip: Dayton, Ohio 45402

**REPORT TO**
Name: SAME
Company:
Mailing Address:
City, State, Zip:
Phone No.: Fax No.:

Date Results Req: 5-13-2011 | Rush Charges Authorized? ☒ Yes ☐ No | Fax Results ☐

Special Instructions: Requiring 24 hour TAT to 2 day TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☒ VAP
☒ Other TSCA
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCB's (8082) | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-T15-SB216-02-051111 | 5-11-11 | 1325 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SB216-02-051111 DP | | 1325 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SB216-04-051111 | | 1327 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SB216-06-051111 | | 1331 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SB216-08-051111 | | 1333 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SB216-10-051111 | | 1340 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SB216-12-051111 | | 1545 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SB216-051111-RI | | 1550 | | X | W | 1 | X | | | | | | | | | |
| TT-T15-SS219-02-051111 | | 1150 | | X | S | 1 | X | | | | | | | | | |
| TT-T15-SS220-02-051111 | | 1430 | | X | S | 1 | X | | | | | | | | | |

CHAIN OF CUSTODY (if required)

Relinquished by: David Sum — Date/Time 5/12/11 @ 845 — Received by: — Date/Time

Relinquished by: — Date/Time — Received at lab by: P. Whitaker — Date/Time 5-12-11 8:45

Method of Shipment: UPS — Cooler Temp 3° ice — Custody Seals ☒ Yes ☐ No

Sampled by: Michael Blair — Date 5-11-2011

Client Comments

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST
# CHAIN OF CUSTODY

Internal Lab Order Number _____

Purchase Order No. | Client Project: Tech Town

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc
Address: 711 E. Monument Ave. Ste 201
City, State, Zip: Dayton, Ohio 45402

**REPORT TO**
Name: same
Company:
Mailing Address:
City, State, Zip:
Phone No: Fax No:

Date Results Req: 5-13-2011 | Rush Charges Authorized? ☒ Yes ☐ No | Fax Results ☐

Special Instructions: Requiring 24 TAT to 2 day TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☒ VAP
☒ Other NCA
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (8082) | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-TIS-SB217-02-051111 | 5-11-2011 | 1428 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB217-04-051111 | | 1430 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB217-06-051111 | | 1438 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB217-08-051111 | | 1441 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB217-10-051111 | | 1445 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB217-12-051111 | | 1447 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB218-02-051111 | | 1211 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB218-04-051111 | | 1213 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB218-06-051111 | | 1215 | | X | S | 1 | X | | | | | | | | |
| TT-TIS-SB218-08-051111 | | 1220 | | X | S | 1 | X | | | | | | | | |

CHAIN OF CUSTODY (if required)
Relinquished by: David Sena | Date/Time 5/12/11 @ 845 | Received by:
Relinquished by: | Date/Time | Received at lab by: P. Whitaker | Date/Time 5-12-11 8:45
Method of Shipment: WSI | Cooler Temp. 3° ice | Custody Seals ☒ Yes ☐ No

Sampled by: Michael Blair | Date 5-11-2011

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting



Houston Business Forms - Form #14374 1/11

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number _____

Purchase Order No. | Client Project: Tech Town

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E. Monument Ave. Ste 201
City, State, Zip: Dayton, Ohio 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No. | Fax No.

Date Results Req: 5-13-2011 | Rush Charges Authorized? ☒ Yes ☐ No | Fax Results ☐

Special Instructions: requesting 24 hr. TAT to 2 day TAT

Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☒ VAP
☒ Other PCA
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (Vol 2) | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-TIS-SB218-10-051111 | 5-11-2011 | 1226 | | X | S | | X | | | | | | | | |
| TT-TIS-SB218-12-051111 | 5-11-2011 | 1515 | | X | S | | X | | | | | | | | |
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CHAIN OF CUSTODY (if required)

Relinquished by: David Silva — Date/Time 5/12/11 @ 845 — Received by: _____ — Date/Time _____

Relinquished by: _____ — Date/Time _____ — Received at lab by: P. Whitaker — Date/Time 5-12-11 8:45

Method of Shipment: FedEx — Cooler Temp. 3° Ice — Custody Seals ☒ Yes ☐ No

Sampled by: Michael Blair — Date 5-11-2011

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1120217 - PREP_PP_W** | | | | | | | | | | |
| **Blank (1120217-BLK1)** | | | | Prepared & Analyzed: 05/12/11 | | | | | | |
| Aroclor 1016 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1221 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1232 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1242 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1248 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1254 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1260 | BDL | 0.500 | ug/L | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.470* | | *ug/L* | *0.5000* | | *94.0* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.370* | | *ug/L* | *0.5000* | | *74.0* | *28-127* | | | |
| **LCS (1120217-BS1)** | | | | Prepared & Analyzed: 05/12/11 | | | | | | |
| Aroclor 1016 | 5.78 | 0.500 | ug/L | 5.000 | | 116 | 50-170 | | | |
| Aroclor 1260 | 5.24 | 0.500 | ug/L | 5.000 | | 105 | 53-163 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.530* | | *ug/L* | *0.5000* | | *106* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.410* | | *ug/L* | *0.5000* | | *82.0* | *28-127* | | | |
| **)up (1120217-BSD1)** | | | | Prepared & Analyzed: 05/12/11 | | | | | | |
| ..or 1016 | 5.75 | 0.500 | ug/L | 5.000 | | 115 | 50-170 | 0.520 | 19 | |
| Aroclor 1260 | 4.97 | 0.500 | ug/L | 5.000 | | 99.4 | 53-163 | 5.29 | 22 | |
| *Surrogate: Decachlorobiphenyl* | *0.500* | | *ug/L* | *0.5000* | | *100* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.460* | | *ug/L* | *0.5000* | | *92.0* | *28-127* | | | |
| **Batch 1120241 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1120241-BLK1)** | | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0147* | | *mg/kg wet* | *0.01667* | | *88.0* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *See narrative.* | | *mg/kg wet* | *0.01667* | | *44.0* | *47-125* | | | *S-QC* |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1120241 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1120241-BS1)** | | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | 0.175 | 0.0200 | mg/kg wet | 0.1667 | | 105 | 51-168 | | | |
| Aroclor 1260 | 0.184 | 0.0200 | mg/kg wet | 0.1667 | | 110 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0163* | | *mg/kg wet* | *0.01667* | | *98.0* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00900* | | *mg/kg wet* | *0.01667* | | *54.0* | *47-125* | | | |
| **LCS Dup (1120241-BSD1)** | | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | 0.187 | 0.0200 | mg/kg wet | 0.1667 | | 112 | 51-168 | 6.62 | 24 | |
| Aroclor 1260 | 0.188 | 0.0200 | mg/kg wet | 0.1667 | | 113 | 51-173 | 2.33 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0163* | | *mg/kg wet* | *0.01667* | | *98.0* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0100* | | *mg/kg wet* | *0.01667* | | *60.0* | *47-125* | | | |
| **Matrix Spike (1120241-MS1)** | **Source: 11E0568-01** | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | See narrative. | 0.112 | mg/kg dry | 0.9338 | ND | | 10-231 | | | |
| Aroclor 1260 | See narrative. | 0.112 | mg/kg dry | 0.9338 | ND | | 42-167 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.105* | | *mg/kg dry* | *0.09338* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0616* | | *mg/kg dry* | *0.09338* | | *66.0* | *47-125* | | | |
| **Matrix Spike Dup (1120241-MSD1)** | **Source: 11E0568-01** | | | Prepared: 05/12/11 Analyzed: 05/13/11 | | | | | | |
| Aroclor 1016 | See narrative. | 0.117 | mg/kg dry | 0.9722 | ND | | 10-231 | | 50 | |
| Aroclor 1260 | See narrative. | 0.117 | mg/kg dry | 0.9722 | ND | | 42-167 | | 24 | |
| *Surrogate: Decachlorobiphenyl* | *0.103* | | *mg/kg dry* | *0.09722* | | *106* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0642* | | *mg/kg dry* | *0.09722* | | *66.0* | *47-125* | | | |
| **Batch 1120265 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1120265-BLK1)** | | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0200* | | *mg/kg wet* | *0.01667* | | *120* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0143* | | *mg/kg wet* | *0.01667* | | *86.0* | *47-125* | | | |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1120265 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1120265-BS1)** | | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 0.211 | 0.0200 | mg/kg wet | 0.1667 | | 127 | 51-168 | | | |
| Aroclor 1260 | 0.225 | 0.0200 | mg/kg wet | 0.1667 | | 135 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0197* | | *mg/kg wet* | *0.01667* | | *118* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0130* | | *mg/kg wet* | *0.01667* | | *78.0* | *47-125* | | | |
| **LCS Dup (1120265-BSD1)** | | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 0.217 | 0.0200 | mg/kg wet | 0.1667 | | 130 | 51-168 | 2.49 | 24 | |
| Aroclor 1260 | 0.246 | 0.0200 | mg/kg wet | 0.1667 | | 148 | 51-173 | 8.90 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0177* | | *mg/kg wet* | *0.01667* | | *106* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0137* | | *mg/kg wet* | *0.01667* | | *82.0* | *47-125* | | | |
| **Matrix Spike (1120265-MS1)** | **Source: 11E0663-15** | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 1.13 | 0.0976 | mg/kg wet | 0.8130 | ND | 139 | 10-231 | | | |
| Aroclor 1260 | 1.28 | 0.0976 | mg/kg wet | 0.8130 | ND | 157 | 42-167 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0927* | | *mg/kg wet* | *0.08130* | | *114* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0667* | | *mg/kg wet* | *0.08130* | | *82.0* | *47-125* | | | |
| **x Spike Dup (1120265-MSD1)** | **Source: 11E0663-15** | | | Prepared: 05/13/11 Analyzed: 05/14/11 | | | | | | |
| Aroclor 1016 | 1.20 | 0.0976 | mg/kg wet | 0.8130 | ND | 147 | 10-231 | 5.72 | 50 | |
| Aroclor 1260 | 1.35 | 0.0976 | mg/kg wet | 0.8130 | ND | 166 | 42-167 | 5.32 | 24 | |
| *Surrogate: Decachlorobiphenyl* | *0.0894* | | *mg/kg wet* | *0.08130* | | *110* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0732* | | *mg/kg wet* | *0.08130* | | *90.0* | *47-125* | | | |

## Conventional Chemistry Parameters by ASTM Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1121003 - Wet Chem Prep** | | | | | | | | | | |
| **Duplicate (1121003-DUP1)** | **Source: 11E0568-21** | | | Prepared & Analyzed: 05/13/11 | | | | | | |
| % Solids | 93.8 | | % by Weight | | 91.5 | | | 2.48 | 5 | |
| Percent Moisture | 6.24 | | % by Weight | | 8.54 | | | 31.1 | 200 | |
| **Duplicate (1121003-DUP2)** | **Source: 11E0568-22** | | | Prepared & Analyzed: 05/13/11 | | | | | | |
| % Solids | 89.9 | | % by Weight | | 92.0 | | | 2.32 | 5 | |
| Percent Moisture | 10.1 | | % by Weight | | 7.96 | | | 23.4 | 200 | |

## Notes and Definitions

S-QC Surrogate result is outside of acceptance limits. The remaining number of surrogates within acceptance limits satisfies method criteria for producing valid data.

! See narrative.

Sample preservation was met unless otherwise noted.

# AOI 36 June 2011 Delineation

Belmont Labs
The Environmental Service Company.

Tuesday, June 14, 2011
Analytical Results

Laura Funk
Weston Solutions, Inc. - Dayton
711 East Monument, Ste 201
Dayton, OHIO 45402
TEL: (937) 531-4400
FAX (937) 384-4201

RE: Tech Town

Work Order: 11F0618

Belmont Labs received 27 sample(s) on 6/10/2011 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed. USEPA's RCRA Program regards a statement of quality assurance as a legal means of assuring that acceptable and uniform laboratory methods and QA/QC practices were followed by the laboratory.

If you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Green
Project Manager

**Certifications:** NELAP/NELAC - #04130 VAP - #CL0032
Ohio EPA Drinking water - #836 Ohio EPA Drinking water (Micro) - #872

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Sampled Date | Received Date |
|---|---|---|---|
| 11F0618-01A | TT-SB235-02-060911 | 6/9/2011 10:25:00AM | 6/10/2011 |
| 11F0618-02A | TT-SB235-04-060911 | 6/9/2011 10:51:00AM | 6/10/2011 |
| 11F0618-03A | TT-SB235-04-060911DP | 6/9/2011 10:53:00AM | 6/10/2011 |
| 11F0618-04A | TT-SB235-06-060911 | 6/9/2011 10:55:00AM | 6/10/2011 |
| 11F0618-05A | TT-SB235-08-060911 | 6/9/2011 10:57:00AM | 6/10/2011 |
| 11F0618-06A | TT-SB235-10-060911 | 6/9/2011 11:00:00AM | 6/10/2011 |
| 11F0618-07A | TT-SB235-12-060911 | 6/9/2011 11:02:00AM | 6/10/2011 |
| 11F0618-08A | TT-SB234-02-060911 | 6/9/2011 11:18:00AM | 6/10/2011 |
| 11F0618-09A | TT-SB234-04-060911 | 6/9/2011 11:20:00AM | 6/10/2011 |
| 11F0618-10A | TT-SB234-06-060911 | 6/9/2011 11:25:00AM | 6/10/2011 |
| 11F0618-10B | TT-SB234-06-060911 | 6/9/2011 11:25:00AM | 6/10/2011 |
| 11F0618-11A | TT-SB234-08-060911 | 6/9/2011 11:35:00AM | 6/10/2011 |
| 11F0618-12A | TT-SB234-10-060911 | 6/9/2011 11:40:00AM | 6/10/2011 |
| 11F0618-13A | TT-SB233-02-060911 | 6/9/2011 12:20:00PM | 6/10/2011 |
| 11F0618-14A | TT-SB233-04-060911 | 6/9/2011 12:23:00PM | 6/10/2011 |
| 11F0618-15A | TT-SB233-04-060911DP | 6/9/2011 12:25:00PM | 6/10/2011 |
| 11F0618-16A | TT-SB233-06-060911 | 6/9/2011 12:30:00PM | 6/10/2011 |
| 11F0618-17A | TT-SB233-08-060911 | 6/9/2011 12:32:00PM | 6/10/2011 |
| 11F0618-18A | TT-SB233-10-060911 | 6/9/2011 1:20:00PM | 6/10/2011 |
| 11F0618-19A | TT-SB233-12-060911 | 6/9/2011 1:25:00PM | 6/10/2011 |
| 11F0618-20A | TT-SB232-02-060911 | 6/9/2011 1:50:00PM | 6/10/2011 |
| 11F0618-21A | TT-SB232-02-060911DP | 6/9/2011 1:52:00PM | 6/10/2011 |
| 11F0618-22A | TT-SB232-04-060911 | 6/9/2011 1:55:00PM | 6/10/2011 |
| 11F0618-23A | TT-SB232-06-060911 | 6/9/2011 2:05:00PM | 6/10/2011 |
| 11F0618-24A | TT-SB232-08-060911 | 6/9/2011 2:08:00PM | 6/10/2011 |
| 11F0618-25A | TT-SB232-10-060911 | 6/9/2011 2:10:00PM | 6/10/2011 |
| 11F0618-26A | TT-SB232-12-060911 | 6/9/2011 2:12:00PM | 6/10/2011 |
| 11F0618-27A | TT-SB232-060911-RI | 6/9/2011 2:25:00PM | 6/10/2011 |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-01 **Collection Date:** 6/9/2011 10:25:00AM
**Client Sample ID:** TT-SB235-02-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1221 | BDL | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1232 | BDL | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1242 | BDL | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1248 | BDL | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| **Aroclor 1254** | **9.42** | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| Aroclor 1260 | BDL | 2.13 | | mg/kg dry | 20 | 1125001 | 6/13/2011 5:58:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | *S-01* | *40-159* | | *1125001* | 6/13/2011 5:58:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | *S-01* | *47-125* | | *1125001* | 6/13/2011 5:58:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **8.11** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-02 **Collection Date:** 6/9/2011 10:51:00AM
**Client Sample ID:** TT-SB235-04-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1221 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1232 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1242 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1248 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1254 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| Aroclor 1260 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 8:47:00PM |
| *Surrogate: Decachlorobiphenyl* | *126 %* | | | *40-159* | | *1125001* | 6/12/2011 8:47:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *48.0 %* | | | *47-125* | | *1125001* | 6/12/2011 8:47:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **21.1** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-03
**Client Sample ID:** TT-SB235-04-060911DP
**Collection Date:** 6/9/2011 10:53:00AM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1221 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1232 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1242 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1248 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1254 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| Aroclor 1260 | BDL | 0.129 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:04:00PM |
| *Surrogate: Decachlorobiphenyl* | *130 %* | | | *40-159* | | *1125001* | 6/12/2011 9:04:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *56.0 %* | | | *47-125* | | *1125001* | 6/12/2011 9:04:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **23.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-04 **Collection Date:** 6/9/2011 10:55:00AM
**Client Sample ID:** TT-SB235-06-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1221 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1232 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1242 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1248 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1254 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| Aroclor 1260 | BDL | 0.114 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:22:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/12/2011 9:22:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1125001* | 6/12/2011 9:22:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **18.1** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-05 **Collection Date:** 6/9/2011 10:57:00AM
**Client Sample ID:** TT-SB235-08-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1221 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1232 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1242 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1248 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| **Aroclor 1254** | **0.126** | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| Aroclor 1260 | BDL | 0.119 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:40:00PM |
| *Surrogate: Decachlorobiphenyl* | *114 %* | | | *40-159* | | *1125001* | 6/12/2011 9:40:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *42.0 %* | | *S-QC* | *47-125* | | *1125001* | 6/12/2011 9:40:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.1** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-06 **Collection Date:** 6/9/2011 11:00:00AM
**Client Sample ID:** TT-SB235-10-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1221 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1232 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1242 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1248 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| **Aroclor 1254** | **0.108** | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| Aroclor 1260 | BDL | 0.0994 | | mg/kg dry | 1 | 1125001 | 6/12/2011 9:58:00PM |
| *Surrogate: Decachlorobiphenyl* | | *112 %* | | *40-159* | | *1125001* | 6/12/2011 9:58:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *54.0 %* | | *47-125* | | *1125001* | 6/12/2011 9:58:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **6.97** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-07 **Collection Date:** 6/9/2011 11:02:00AM
**Client Sample ID:** TT-SB235-12-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1221 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1232 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1242 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1248 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| **Aroclor 1254** | **0.248** | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| Aroclor 1260 | BDL | 0.108 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:15:00PM |
| *Surrogate: Decachlorobiphenyl* | *108 %* | | | *40-159* | | *1125001* | 6/12/2011 10:15:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *44.0 %* | | *S-QC* | *47-125* | | *1125001* | 6/12/2011 10:15:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **12.5** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-08 **Collection Date:** 6/9/2011 11:18:00AM
**Client Sample ID:** TT-SB234-02-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1221 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1232 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1242 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1248 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| **Aroclor 1254** | **41.1** | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| Aroclor 1260 | BDL | | 2.24 | | mg/kg dry | 20 | 1125001 | 6/13/2011 3:53:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 3:53:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 3:53:00AM |
| **PMOIST** | | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **14.2** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-09 **Collection Date:** 6/9/2011 11:20:00AM
**Client Sample ID:** TT-SB234-04-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1221 | BDL | | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1232 | BDL | | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1242 | BDL | | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1248 | BDL | | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| **Aroclor 1254** | **4.68** | | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| Aroclor 1260 | BDL | | 2.07 | | mg/kg dry | 20 | 1125001 | 6/13/2011 2:24:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 2:24:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 2:24:00AM |
| **PMOIST** | **D 2216** | | | | | | **Analyst: AD** | |
| **Percent Moisture** | **16.3** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-10 **Collection Date:** 6/9/2011 11:25:00AM
**Client Sample ID:** TT-SB234-06-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1221 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1232 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1242 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1248 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| **Aroclor 1254** | **1.37** | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| Aroclor 1260 | BDL | 0.115 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:33:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/12/2011 10:33:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *54.0 %* | | | *47-125* | | *1125001* | 6/12/2011 10:33:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.5** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-11 **Collection Date:** 6/9/2011 11:35:00AM
**Client Sample ID:** TT-SB234-08-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1221 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1232 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1242 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1248 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1254 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| Aroclor 1260 | BDL | 0.539 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:40:00PM |
| *Surrogate: Decachlorobiphenyl* | *130 %* | | | *40-159* | | *1125001* | 6/13/2011 1:40:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *40.0 %* | | *S-QC* | *47-125* | | *1125001* | 6/13/2011 1:40:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **18.9** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-12 **Collection Date:** 6/9/2011 11:40:00AM
**Client Sample ID:** TT-SB234-10-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1221 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1232 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1242 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1248 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| **Aroclor 1254** | **562** | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| Aroclor 1260 | BDL | | 191 | | mg/kg dry | 2000 | 1125001 | 6/13/2011 4:36:00PM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 4:36:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 4:36:00PM |
| **PMOIST** | | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **7.44** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CNT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-13
**Client Sample ID:** TT-SB233-02-060911
**Collection Date:** 6/9/2011 12:20:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1221 | BDL | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1232 | BDL | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1242 | BDL | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1248 | BDL | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| **Aroclor 1254** | **4.55** | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| Aroclor 1260 | BDL | 2.29 | | mg/kg dry | 20 | 1125001 | 6/13/2011 1:30:00AM |
| *Surrogate: Decachlorobiphenyl* | | *%* | *S-01* | *40-159* | | *1125001* | 6/13/2011 1:30:00AM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | *S-01* | *47-125* | | *1125001* | 6/13/2011 1:30:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **19.0** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-14 **Collection Date:** 6/9/2011 12:23:00PM
**Client Sample ID:** TT-SB233-04-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1221 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1232 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1242 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1248 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| **Aroclor 1254** | **1.48** | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| Aroclor 1260 | BDL | 0.122 | | mg/kg dry | 1 | 1125001 | 6/12/2011 10:51:00PM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/12/2011 10:51:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *48.0 %* | | | *47-125* | | *1125001* | 6/12/2011 10:51:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **24.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-15 **Collection Date:** 6/9/2011 12:25:00PM
**Client Sample ID:** TT-SB233-04-060911DP **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1221 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1232 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1242 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1248 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| **Aroclor 1254** | **0.620** | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| Aroclor 1260 | BDL | 0.116 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:19:00AM |
| *Surrogate: Decachlorobiphenyl* | *110 %* | | | *40-159* | | *1125001* | 6/13/2011 12:19:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *42.0 %* | | *S-QC* | *47-125* | | *1125001* | 6/13/2011 12:19:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **22.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-16 **Collection Date:** 6/9/2011 12:30:00PM
**Client Sample ID:** TT-SB233-06-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1221 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1232 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1242 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1248 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| **Aroclor 1254** | **10.9** | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| Aroclor 1260 | BDL | | 1.19 | | mg/kg dry | 10 | 1125001 | 6/13/2011 2:15:00PM |
| *Surrogate: Decachlorobiphenyl* | | *%* | | *S-01* | *40-159* | | *1125001* | 6/13/2011 2:15:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | | *S-01* | *47-125* | | *1125001* | 6/13/2011 2:15:00PM |
| **PMOIST** | | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **22.0** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-17
**Client Sample ID:** TT-SB233-08-060911
**Collection Date:** 6/9/2011 12:32:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1221 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1232 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1242 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1248 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| **Aroclor 1254** | **0.304** | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| Aroclor 1260 | BDL | 0.127 | | mg/kg dry | 1 | 1125001 | 6/13/2011 12:55:00AM |
| *Surrogate: Decachlorobiphenyl* | *112 %* | | | *40-159* | | *1125001* | 6/13/2011 12:55:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *58.0 %* | | | *47-125* | | *1125001* | 6/13/2011 12:55:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **21.7** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-18 **Collection Date:** 6/9/2011 1:20:00PM
**Client Sample ID:** TT-SB233-10-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1221 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1232 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1242 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1248 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| **Aroclor 1254** | **0.243** | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| Aroclor 1260 | BDL | 0.0945 | | mg/kg dry | 1 | 1125001 | 6/13/2011 1:13:00AM |
| *Surrogate: Decachlorobiphenyl* | *110 %* | | | *40-159* | | *1125001* | 6/13/2011 1:13:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1125001* | 6/13/2011 1:13:00AM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **4.82** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-19 **Collection Date:** 6/9/2011 1:25:00PM
**Client Sample ID:** TT-SB233-12-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1221 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1232 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1242 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1248 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| **Aroclor 1254** | **148** | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| Aroclor 1260 | BDL | 48.7 | | mg/kg dry | 500 | 1125001 | 6/13/2011 4:18:00PM |
| *Surrogate: Decachlorobiphenyl* | | % | *S-01* | *40-159* | | *1125001* | 6/13/2011 4:18:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | % | *S-01* | *47-125* | | *1125001* | 6/13/2011 4:18:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **7.22** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-20 **Collection Date:** 6/9/2011 1:50:00PM
**Client Sample ID:** TT-SB232-02-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1221 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1232 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1242 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1248 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1254 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| Aroclor 1260 | BDL | 0.516 | | mg/kg dry | 5 | 1125001 | 6/13/2011 1:58:00PM |
| *Surrogate: Decachlorobiphenyl* | *90.0 %* | | | *40-159* | | *1125001* | 6/13/2011 1:58:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *60.0 %* | | | *47-125* | | *1125001* | 6/13/2011 1:58:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **14.3** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-21
**Client Sample ID:** TT-SB232-02-060911DP
**Collection Date:** 6/9/2011 1:52:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1221 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1232 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1242 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1248 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| **Aroclor 1254** | **0.116** | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| Aroclor 1260 | BDL | 0.107 | | mg/kg dry | 1 | 1125002 | 6/13/2011 12:47:00PM |
| *Surrogate: Decachlorobiphenyl* | *102 %* | | | *40-159* | | *1125002* | 6/13/2011 12:47:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *52.0 %* | | | *47-125* | | *1125002* | 6/13/2011 12:47:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **13.8** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-22 **Collection Date:** 6/9/2011 1:55:00PM
**Client Sample ID:** TT-SB232-04-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1221 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1232 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1242 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1248 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1254 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| Aroclor 1260 | BDL | 0.117 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:05:00PM |
| *Surrogate: Decachlorobiphenyl* | *100 %* | | | *40-159* | | *1125002* | 6/13/2011 1:05:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *44.0 %* | | *S-QC* | *47-125* | | *1125002* | 6/13/2011 1:05:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **22.3** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-23
**Client Sample ID:** TT-SB232-06-060911
**Collection Date:** 6/9/2011 2:05:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1221 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1232 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1242 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1248 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| **Aroclor 1254** | **0.267** | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| Aroclor 1260 | BDL | 0.0936 | | mg/kg dry | 1 | 1125002 | 6/13/2011 1:22:00PM |
| *Surrogate: Decachlorobiphenyl* | | *108 %* | | *40-159* | | *1125002* | 6/13/2011 1:22:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *54.0 %* | | *47-125* | | *1125002* | 6/13/2011 1:22:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **7.07** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-24 **Collection Date:** 6/9/2011 2:08:00PM
**Client Sample ID:** TT-SB232-08-060911 **Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1221 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1232 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1242 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1248 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| **Aroclor 1254** | **0.484** | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| Aroclor 1260 | BDL | 0.0949 | | mg/kg dry | 1 | 1125002 | 6/13/2011 3:08:00PM |
| *Surrogate: Decachlorobiphenyl* | *106 %* | | | *40-159* | | *1125002* | 6/13/2011 3:08:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *72.0 %* | | | *47-125* | | *1125002* | 6/13/2011 3:08:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **4.80** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**NT:** Weston Solutions, Inc. - Dayton
**ject:** Tech Town
**Lab Order:** 11F0618

**Lab ID:** 11F0618-25
**Client Sample ID:** TT-SB232-10-060911
**Collection Date:** 6/9/2011 2:10:00PM
**Matrix:** Soil

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1221 | BDL | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1232 | BDL | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1242 | BDL | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1248 | BDL | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| **Aroclor 1254** | **31.3** | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| Aroclor 1260 | BDL | 10.0 | | mg/kg dry | 100 | 1125002 | 6/13/2011 4:01:00PM |
| *Surrogate: Decachlorobiphenyl* | | *%* | *S-01* | *40-159* | | *1125002* | 6/13/2011 4:01:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *%* | *S-01* | *47-125* | | *1125002* | 6/13/2011 4:01:00PM |
| **PMOIST** | **D 2216** | | | | | **Analyst: AD** | |
| **Percent Moisture** | **6.74** | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-26 **Collection Date:** 6/9/2011 2:12:00PM
**Client Sample ID:** TT-SB232-12-060911 **Matrix:** Soil

| Analysis | Result | | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1221 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1232 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1242 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1248 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| **Aroclor 1254** | **240** | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| Aroclor 1260 | BDL | | 205 | | mg/kg dry | 2000 | 1125002 | 6/13/2011 4:53:00PM |
| *Surrogate: Decachlorobiphenyl* | | % | | *S-01* | *40-159* | | *1125002* | 6/13/2011 4:53:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | % | | *S-01* | *47-125* | | *1125002* | 6/13/2011 4:53:00PM |
| **PMOIST** | **D 2216** | | | | | | **Analyst: AD** | |
| **Percent Moisture** | **11.4** | | | | % by Weight | 1 | 1125075 | 6/13/2011 7:40:00PM |

**Belmont Labs** **Date:** 6/14/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11F0618
**Project:** Tech Town

**Lab ID:** 11F0618-27 **Collection Date:** 6/9/2011 2:25:00PM
**Client Sample ID:** TT-SB232-060911-RI **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Analyzed |
|---|---|---|---|---|---|---|---|
| **PCB_8082** | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| **Aroclor 1254** | **2.87** | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1124296 | 6/11/2011 7:19:00AM |
| *Surrogate: Decachlorobiphenyl* | *100 %* | | | *36-157* | | *1124296* | 6/11/2011 7:19:00AM |
| *Surrogate: Tetrachloro-m-xylene* | *80.0 %* | | | *28-127* | | *1124296* | 6/11/2011 7:19:00AM |

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number 11F0618

| Purchase Order No. | Quote No. | Client Project |
|---|---|---|
| 0075002 | | Tech Town |

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E Monument Ave, Ste 201
City, State, Zip: Dayton, OH, 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No.: 937-531-4400 Fax No.:

Date Results Req: Rush Charges Authorized? ☑ Yes ☐ No Fax Results ☐

Special Instructions: Requesting 48 hr TAT

Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES
☐ RCRA
☐ SDWA
☑ VAP
☑ Other (TSCA)
Collected in State of OH

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (8082) | HNO3, HCl, H2SO4, Ice, None, Other | HNO3, HCl, H2SO4, Ice, None, Other | HNO3, HCl, H2SO4, Ice, None, Other | HNO3, HCl, H2SO4, Ice, None, Other | HNO3, HCl, H2SO4, Ice, None, Other | HNO3, HCl, H2SO4, Ice, None, Other | HNO3, HCl, H2SO4, Ice, None, Other | HNO3, HCl, H2SO4, Ice, None, Other | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-SB235-02-060911 | 6/9/11 | 1025 | | X | S | 1 | X | | | | | | | | | |
| TT-SB235-04-060911 | ↓ | 1051 | | X | S | 1 | X | | | | | | | | | |
| TT-SB235-04-060911DP | ↓ | 1053 | | X | S | 1 | X | | | | | | | | | |
| TT-SB235-06-060911 | ↓ | 1055 | | X | S | 1 | X | | | | | | | | | |
| TT-SB235-08-060911 | ↓ | 1057 | | X | S | 1 | X | | | | | | | | | |
| TT-SB235-10-060911 | ↓ | 1100 | | X | S | 1 | X | | | | | | | | | |
| TT-SB235-12-060911 | ↓ | 1102 | | X | S | 1 | X | | | | | | | | | |
| TT-SB234-02-060911 | ↓ | 1118 | | X | S | 1 | X | | | | | | | | | |
| TT-SB234-04-060911 | ↓ | 1120 | | X | S | 1 | X | | | | | | | | | |
| TT-SB234-06-060911 | ↓ | 1125 | | X | S | 2 | X | | | | | | | | | include MS/MSD analysis |

**CHAIN OF CUSTODY (if required)**

| | | | |
|---|---|---|---|
| Relinquished by: David Sena | Date/Time 6/10/11 935 | Received by: | Date/Time |
| Relinquished by: | Date/Time | Received at lab by: P. Whitaker | Date/Time 6-10-11 9:45 |
| Method of Shipment: UPS | | Cooler Temp. 6° PW ice | Custody Seals ☐ Yes ☐ No |

Sampled by: David Sena Date 6/9/11

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting
PINK - Client Retains

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

A & B Litho-Form #9786-5/02

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST CHAIN OF CUSTODY

Internal Lab Order Number _____

Purchase Order No.: 0075002 | Client Project: Tech Town

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E Monument Ave, Ste 201
City, State, Zip: Dayton, OH, 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No.: (937) 531-4400 Fax No:

Date Results Req: Rush Charges Authorized? ☑ Yes ☐ No | Fax Results ☐

Special Instructions:
Requesting ~~48~~ 48 hr TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☑ VAP
☑ Other (TSCA)
Collected in State of OH

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (8082) | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | HNO3, HCl, H2SO4, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-SB234-08-060911 | 6/9/11 | 1135 | | X | S | 1 | X | | | | | | | | |
| TT-SB234-10-060911 | | 1140 | | X | S | 1 | X | | | | | | | | |
| TT-SB234-12-060911* | | 1150 | | X | S | 1 | X | | | | | | | | Hold until further notice |
| TT-SB233-02-060911 | | 1220 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-04-060911 | | 1223 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-04-060911DP | | 1225 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-06-060911 | | 1230 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-08-060911 | | 1232 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-10-060911 | | 1320 | | X | S | 1 | X | | | | | | | | |
| TT-SB233-12-060911 | | 1325 | | X | S | 1 | X | | | | | | | | |

CHAIN OF CUSTODY (if required)

Relinquished by: David Sena Date/Time 6/10/11 935 Received by:
Relinquished by: Date/Time Received at lab by: P. Whitaker Date/Time 6-10-11 945
Method of Shipment: WT Cooler Temp. 6° ice Custody Seals ☐ Yes ☐ No

Sampled by: David Sena Date 6/9/11

Client Comments * Very low sample volume

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

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Houston Business Forms - For... 74 1/11

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST
# CHAIN OF CUSTODY

Internal Lab Order Number _____

| Purchase Order No. | Quote No. | Client Project |
|---|---|---|
| 0075002 | | Tech Town |

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E Monument Ave, Ste 201
City, State, Zip: Dayton, OH, 45402

**REPORT TO**
Name:
Company:
Mailing Address:
City, State, Zip:
Phone No.: Fax No.:

Date Results Req: Rush Charges Authorized? ☑ Yes ☐ No
Fax Results ☐

Special Instructions: Requesting 48 hr TAT
Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES
☐ RCRA
☐ SDWA
☑ VAP
☑ Other (TSCA)
Collected in State of _____

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs (8082) | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | $HNO_3$, HCl, $H_2SO_4$, Ice, None, Other | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-SB232-02-060911 | 6/9/11 | 1350 | | X | S | 1 | X | | | | | | | | |
| TT-SB232-02-060911 DP | | 1352 | | X | S | 1 | X | | | | | | | | |
| TT-SB232-04-060911 | | 1355 | | X | S | 1 | X | | | | | | | | |
| TT-SB232-06-060911 | | 1405 | | X | S | 1 | X | | | | | | | | |
| TT-SB232-08-060911 | | 1408 | | X | S | 1 | X | | | | | | | | |
| TT-SB232-10-060911 | | 1410 | | X | S | 1 | X | | | | | | | | |
| TT-SB232-12-060911 | | 1412 | | X | S | 1 | X | | | | | | | | |
| TT-SB232-060911-RI | | 1425 | | X | W | 1 | X | | | | | | | | |
| * last Item | | | | | | | | | | | | | | | * |

CHAIN OF CUSTODY (if required)
Relinquished by: David Sena Date/Time 6/10/11 935
Relinquished by: Date/Time
Method of Shipment: WI
Received by: Date/Time
Received at lab by: P. Whitaker Date/Time 6-10-11 9:43
Cooler Temp. 6° Ice Custody Seals ☐ Yes ☐ No
Client Comments

Sampled by: David Sena Date 6/9/11

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

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A & B Litho-Form #9786-5/02

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1124296 - PREP_PP_W** | | | | | | | | | | |
| **Blank (1124296-BLK1)** | | | | Prepared: 06/10/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor 1016 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1221 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1232 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1242 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1248 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1254 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1260 | BDL | 0.500 | ug/L | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.540* | | *ug/L* | *0.5000* | | *108* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.400* | | *ug/L* | *0.5000* | | *80.0* | *28-127* | | | |
| **LCS (1124296-BS1)** | | | | Prepared: 06/10/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor 1016 | 5.41 | 0.500 | ug/L | 5.000 | | 108 | 50-170 | | | |
| Aroclor 1260 | 5.46 | 0.500 | ug/L | 5.000 | | 109 | 53-163 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.540* | | *ug/L* | *0.5000* | | *108* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.370* | | *ug/L* | *0.5000* | | *74.0* | *28-127* | | | |
| **)up (1124296-BSD1)** | | | | Prepared: 06/10/11 Analyzed: 06/11/11 | | | | | | |
| ..or 1016 | 5.18 | 0.500 | ug/L | 5.000 | | 104 | 50-170 | 4.34 | 19 | |
| Aroclor 1260 | 5.46 | 0.500 | ug/L | 5.000 | | 109 | 53-163 | 0.00 | 22 | |
| *Surrogate: Decachlorobiphenyl* | *0.550* | | *ug/L* | *0.5000* | | *110* | *36-157* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.410* | | *ug/L* | *0.5000* | | *82.0* | *28-127* | | | |
| **Batch 1125001 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1125001-BLK1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0187* | | *mg/kg wet* | *0.01667* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00533* | | *mg/kg wet* | *0.01667* | | *32.0* | *47-125* | | | *S-QC* |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1125001 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1125001-BS1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.173 | 0.0200 | mg/kg wet | 0.1667 | | 104 | 51-168 | | | |
| Aroclor 1260 | 0.187 | 0.0200 | mg/kg wet | 0.1667 | | 112 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0190* | | *mg/kg wet* | *0.01667* | | *114* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00567* | | *mg/kg wet* | *0.01667* | | *34.0* | *47-125* | | | *S-QC* |
| **LCS Dup (1125001-BSD1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.176 | 0.0200 | mg/kg wet | 0.1667 | | 106 | 51-168 | 2.10 | 24 | |
| Aroclor 1260 | 0.186 | 0.0200 | mg/kg wet | 0.1667 | | 112 | 51-173 | 0.714 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0187* | | *mg/kg wet* | *0.01667* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00633* | | *mg/kg wet* | *0.01667* | | *38.0* | *47-125* | | | *S-QC* |
| **Matrix Spike (1125001-MS1)** | **Source: 11F0618-10** | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 1.32 | 0.123 | mg/kg dry | 1.022 | ND | 129 | 10-231 | | | |
| Aroclor 1260 | 3.38 | 0.123 | mg/kg dry | 1.022 | ND | 331 | 42-167 | | | M |
| *Surrogate: Decachlorobiphenyl* | *0.117* | | *mg/kg dry* | *0.1022* | | *114* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0675* | | *mg/kg dry* | *0.1022* | | *66.0* | *47-125* | | | |
| **Matrix Spike Dup (1125001-MSD1)** | **Source: 11F0618-10** | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 1.13 | 0.122 | mg/kg dry | 1.019 | ND | 111 | 10-231 | 15.3 | 50 | |
| Aroclor 1260 | 1.75 | 0.122 | mg/kg dry | 1.019 | ND | 172 | 42-167 | 63.4 | 24 | M |
| *Surrogate: Decachlorobiphenyl* | *0.114* | | *mg/kg dry* | *0.1019* | | *112* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.0550* | | *mg/kg dry* | *0.1019* | | *54.0* | *47-125* | | | |
| **Batch 1125002 - PREP_PP_S** | | | | | | | | | | |
| **Blank (1125002-BLK1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1221 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1232 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1242 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1248 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1254 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| Aroclor 1260 | BDL | 0.0200 | mg/kg wet | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0180* | | *mg/kg wet* | *0.01667* | | *108* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00467* | | *mg/kg wet* | *0.01667* | | *28.0* | *47-125* | | | *S-QC* |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1125002 - PREP_PP_S** | | | | | | | | | | |
| **LCS (1125002-BS1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.188 | 0.0200 | mg/kg wet | 0.1667 | | 113 | 51-168 | | | |
| Aroclor 1260 | 0.190 | 0.0200 | mg/kg wet | 0.1667 | | 114 | 51-173 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.0177* | | *mg/kg wet* | *0.01667* | | *106* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00567* | | *mg/kg wet* | *0.01667* | | *34.0* | *47-125* | | | *S-QC* |
| **LCS Dup (1125002-BSD1)** | | | | Prepared & Analyzed: 06/12/11 | | | | | | |
| Aroclor 1016 | 0.161 | 0.0200 | mg/kg wet | 0.1667 | | 96.4 | 51-168 | 15.9 | 24 | |
| Aroclor 1260 | 0.193 | 0.0200 | mg/kg wet | 0.1667 | | 116 | 51-173 | 1.91 | 25 | |
| *Surrogate: Decachlorobiphenyl* | *0.0183* | | *mg/kg wet* | *0.01667* | | *110* | *40-159* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.00533* | | *mg/kg wet* | *0.01667* | | *32.0* | *47-125* | | | *S-QC* |

## Conventional Chemistry Parameters by ASTM Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1125075 - Wet Chem Prep** | | | | | | | | | | |
| **Duplicate (1125075-DUP1)** | **Source: 11F0618-17** | | | Prepared & Analyzed: 06/13/11 | | | | | | |
| % Solids | 77.6 | | % by Weight | | 78.3 | | | 1.01 | 5 | |
| Percent Moisture | 22.4 | | % by Weight | | 21.7 | | | 3.57 | 200 | |
| **Duplicate (1125075-DUP2)** | **Source: 11F0618-26** | | | Prepared & Analyzed: 06/13/11 | | | | | | |
| % Solids | 89.3 | | % by Weight | | 88.6 | | | 0.742 | 5 | |
| Percent Moisture | 10.7 | | % by Weight | | 11.4 | | | 5.99 | 200 | |

## Notes and Definitions

S-QC Surrogate result is outside of acceptance limits. The remaining number of surrogates within acceptance limits satisfies method criteria for producing valid data.

S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

M Matrix spike and/or matrix spike duplicate recovery outside of acceptance limits.

Sample preservation was met unless otherwise noted.

# Groundwater Sampling Results for MW67, MW5, MW68, and MW70

Belmont Labs
The Environmental Service Company.

Friday, December 2, 2011
Analytical Results

Laura Funk
Weston Solutions, Inc. - Dayton
711 East Monument, Ste 201
Dayton, OHIO 45402
TEL: (937) 531-4400
FAX (937) 384-4201

RE: Tech Town

Work Order: 11K0837

Belmont Labs received 9 sample(s) on 11/17/2011 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed.

f you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Florea
Project Manager
Level I

**Certifications:** NELAP/NELAC - #04130 VAP - #CL0032
Ohio EPA Drinking water - #836 Ohio EPA Drinking water (Micro) - #872

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Tech Town
**Lab Order:** 11K0837

**Work Order Sample Summary**

**The results of analyses performed on the following samples submitted to Belmont Labs are found in this report.**

| Field Sample ID | Lab ID | Matrix | Method Reference | Subcontract Lab |
|---|---|---|---|---|
| TT-MW1A-111511 | 11K0837-01 | Groundwater | NA | |
| | | | SW 8260B | |
| | | | SW 8270C | |
| TT-MW1A-111511D | 11K0837-02 | Groundwater | SW 8260B | |
| | | | SW 8270C | |
| TT-MW68-111611 | 11K0837-03 | Groundwater | SW 8260B | |
| | | | SW 8270C | |
| TT-MW69-111611 | 11K0837-04 | Groundwater | SW 8260B | |
| | | | SW 8270C | |
| TT-MW70-111611 | 11K0837-05 | Groundwater | SW 8260B | |
| | | | SW 8270C | |
| TT-MW67-111611 | 11K0837-06 | Groundwater | 3010 | |
| | | | SW 6010B | |
| | | | SW 7470A | |
| | | | SW 7841/EPA 279.2 | |
| | | | SW 8082 | |
| | | | SW 8260B | |
| | | | SW 8270C | |
| TT-MW2A-111611 | 11K0837-07 | Groundwater | SW 8260B | |
| | | | SW 8270C | |
| TT-DAY06-111611 | 11K0837-08 | Groundwater | SW 8260B | |
| | | | SW 8270C | |
| Trip Blank | 11K0837-09 | Water | SW 8260B | |

**NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-01 **Collection Date:** 11/15/2011 4:16:00PM
**Client Sample ID:** TT-MW1A-111511 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: EH/** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| **1,1-Dichloroethene** | **7.89** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| ein | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| **cis-1,2-Dichloroethene** | **1170** | 50.0 | | ug/L | 10 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:40:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| loroethene | **83.7** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| e | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-01 **Collection Date:** 11/15/2011 4:16:00PM
**Client Sample ID:** TT-MW1A-111511 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **trans-1,2-Dichloroethene** | **7.16** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| **Trichloroethene** | **159** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| **Vinyl Chloride** | **382** | 10.0 | | ug/L | 10 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:40:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *104 %* | | | *66-125* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| *Surrogate: Dibromofluoromethane* | *105 %* | | | *75-130* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| *Surrogate: Toluene-d8* | *121 %* | | | *76-131* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *89.4 %* | | | *75-124* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 2:07:00PM |
| **PAH_FULL_8270** | | | | | | | **Analyst: MBG** | |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| *Surrogate: Nitrobenzene-d5* | *72.0 %* | | | *50-110* | | *1147218* | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| *Surrogate: 2-Fluorobiphenyl* | *68.7 %* | | | *50-104* | | *1147218* | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |
| *Surrogate: Terphenyl-d14* | *63.4 %* | | | *37-135* | | *1147218* | 11/18/2011 12:45:00PM | 11/19/2011 8:39:00AM |

**Belmont Labs** **Date:** 12/2/2011

**:NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**. .oject:** Tech Town

**Lab ID:** 11K0837-02 **Collection Date:** 11/15/2011 4:30:00PM
**Client Sample ID:** TT-MW1A-111511D **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: EH/** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| **1,1-Dichloroethene** | **5.68** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| .in | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| **cis-1,2-Dichloroethene** | **1340** | 50.0 | | ug/L | 10 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 12:22:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| loroethene | **61.4** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-02 **Collection Date:** 11/15/2011 4:30:00PM
**Client Sample ID:** TT-MW1A-111511D **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **trans-1,2-Dichloroethene** | **6.44** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| **Trichloroethene** | **121** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| **Vinyl Chloride** | **367** | 1.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *110 %* | | | *66-125* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| *Surrogate: Dibromofluoromethane* | *119 %* | | | *75-130* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| *Surrogate: Toluene-d8* | *122 %* | | | *76-131* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *124 %* | | | *75-124* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 1:34:00PM |
| **PAH_FULL_8270** | | | | | | | **Analyst: MBG** | |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1147218 | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| *Surrogate: Nitrobenzene-d5* | *69.6 %* | | | *50-110* | | *1147218* | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| *Surrogate: 2-Fluorobiphenyl* | *66.9 %* | | | *50-104* | | *1147218* | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |
| *Surrogate: Terphenyl-d14* | *63.9 %* | | | *37-135* | | *1147218* | 11/18/2011 12:45:00PM | 11/19/2011 9:04:00AM |

**Belmont Labs** **Date:** 12/2/2011

**:NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**.oject:** Tech Town

**Lab ID:** 11K0837-03 **Collection Date:** 11/16/2011 8:45:00AM
**Client Sample ID:** TT-MW68-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: KDS** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| **1,1-Dichloroethane** | **5.94** | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,1-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| .in | BDL | 20.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| **cis-1,2-Dichloroethene** | **21.3** | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| loroethene | **5.96** | 5.00 | | ug/L | 1 | 1149212 | 11/18/2011 8:00:00AM | 11/18/2011 4:14:00PM |
| | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-03 **Collection Date:** 11/16/2011 8:45:00AM
**Client Sample ID:** TT-MW68-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| **Trichloroethene** | **8.82** | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| **Vinyl Chloride** | **3.52** | 1.00 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1149195 | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *109 %* | | | *66-125* | | *1149195* | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *107 %* | | | *66-125* | | *1149212* | 11/18/2011 8:00:00AM | 11/18/2011 4:14:00PM |
| *Surrogate: Dibromofluoromethane* | *114 %* | | | *75-130* | | *1149195* | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| *Surrogate: Dibromofluoromethane* | *112 %* | | | *75-130* | | *1149212* | 11/18/2011 8:00:00AM | 11/18/2011 4:14:00PM |
| *Surrogate: Toluene-d8* | *106 %* | | | *76-131* | | *1149212* | 11/18/2011 8:00:00AM | 11/18/2011 4:14:00PM |
| *Surrogate: Toluene-d8* | *116 %* | | | *76-131* | | *1149195* | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *107 %* | | | *75-124* | | *1149212* | 11/18/2011 8:00:00AM | 11/18/2011 4:14:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *109 %* | | | *75-124* | | *1149195* | 11/25/2011 9:00:00AM | 11/25/2011 2:43:00PM |
| **PAH_FULL_8270** | | | | | | | **Analyst: MBG** | |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| *Surrogate: Nitrobenzene-d5* | *67.2 %* | | | *50-110* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| *Surrogate: 2-Fluorobiphenyl* | *62.4 %* | | | *50-104* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |
| *Surrogate: Terphenyl-d14* | *48.3 %* | | | *37-135* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 5:17:00PM |

**Belmont Labs** **Date:** 12/2/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-04 **Collection Date:** 11/16/2011 10:35:00AM
**Client Sample ID:** TT-MW69-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: KDS** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,1-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| .cin | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| **cis-1,2-Dichloroethene** | **16.4** | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| loroethene | **14.0** | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| e | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-04 **Collection Date:** 11/16/2011 10:35:00AM
**Client Sample ID:** TT-MW69-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| **Trichloroethene** | 7.74 | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Vinyl Chloride | BDL | 1.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *113 %* | | | *66-125* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| *Surrogate: Dibromofluoromethane* | *120 %* | | | *75-130* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| *Surrogate: Toluene-d8* | *120 %* | | | *76-131* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *119 %* | | | *75-124* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 12:58:00PM |
| **PAH_FULL_8270** | | | | | | | **Analyst: MBG** | |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| *Surrogate: Nitrobenzene-d5* | *74.8 %* | | | *50-110* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| *Surrogate: 2-Fluorobiphenyl* | *66.3 %* | | | *50-104* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |
| *Surrogate: Terphenyl-d14* | *49.1 %* | | | *37-135* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 5:43:00PM |

**:NT:** Weston Solutions, Inc. - Dayton
**. .oject:** Tech Town
**Lab Order:** 11K0837

**Lab ID:** 11K0837-05
**Client Sample ID:** TT-MW70-111611
**Collection Date:** 11/16/2011 12:05:00PM
**Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: EH/** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,1-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| in | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| **cis-1,2-Dichloroethene** | **11.2** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| loroethene | **10.8** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-05 **Collection Date:** 11/16/2011 12:05:00PM
**Client Sample ID:** TT-MW70-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| **Trichloroethene** | **5.86** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| **Vinyl Chloride** | **1.46** | 1.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *108 %* | | | *66-125* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| *Surrogate: Dibromofluoromethane* | *111 %* | | | *75-130* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| *Surrogate: Toluene-d8* | *116 %* | | | *76-131* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *106 %* | | | *75-124* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 3:46:00PM |

**PAH_FULL_8270** **Analyst: MBG**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| *Surrogate: Nitrobenzene-d5* | *68.7 %* | | | *50-110* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| *Surrogate: 2-Fluorobiphenyl* | *63.7 %* | | | *50-104* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |
| *Surrogate: Terphenyl-d14* | *45.5 %* | | | *37-135* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 6:09:00PM |

**Belmont Labs** **Date:** 12/2/2011

**NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**oject:** Tech Town

**Lab ID:** 11K0837-06 **Collection Date:** 11/16/2011 2:10:00PM
**Client Sample ID:** TT-MW67-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **ICP_Ag** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Silver | BDL | 0.00200 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Al** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Aluminum | BDL | 0.100 | | mg/L | 1 | 1149155 | 12/1/2011 11:00:00AM | 12/1/2011 6:37:57PM |
| **ICP_As** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Arsenic | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Ba** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| **Barium** | **0.0840** | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Be** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Beryllium | BDL | 0.000500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Ca** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| **Calcium** | **52.0** | 0.100 | | mg/L | 1 | 1149155 | 12/1/2011 11:00:00AM | 12/1/2011 6:37:57PM |
| **I _Cd** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Cadmium | BDL | 0.00200 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Co** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Cobalt | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Cr** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Chromium | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Cu** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Copper | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Fe** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| **Iron** | **0.314** | 0.0500 | | mg/L | 1 | 1149155 | 12/1/2011 11:00:00AM | 12/1/2011 6:37:57PM |
| **ICP_K** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| **Potassium** | **4.63** | 1.00 | | mg/L | 1 | 1149155 | 12/1/2011 11:00:00AM | 12/1/2011 6:37:57PM |
| **ICP_Mg** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| **Magnesium** | **26.4** | 0.100 | | mg/L | 1 | 1149155 | 12/1/2011 11:00:00AM | 12/1/2011 6:37:57PM |
| **ICP_Mn** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| **Manganese** | **0.132** | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP Na** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| | **53.5** | 1.00 | | mg/L | 1 | 1149155 | 12/1/2011 11:00:00AM | 12/1/2011 6:37:57PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-06 **Collection Date:** 11/16/2011 2:10:00PM
**Client Sample ID:** TT-MW67-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **ICP_Ni** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Nickel | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Pb** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Lead | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Sb** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Antimony | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Se** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Selenium | BDL | 0.0100 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_V** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Vanadium | BDL | 0.00500 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **ICP_Zn** | | **SW 6010B** | | | | | **Analyst: RJE** | |
| Zinc | BDL | 0.0100 | | mg/L | 1 | 1148070 | 11/22/2011 9:00:00AM | 11/22/2011 11:20:43PM |
| **GFAA Tl** | | **SW 7841** | | | | | **Analyst: RJE** | |
| Thallium | BDL | 0.00100 | K | mg/L | 1 | 1149086 | 11/30/2011 9:00:00AM | 12/1/2011 12:40:00PM |
| **HG** | | **SW 7470A** | | | | | **Analyst: KC** | |
| Mercury | BDL | 0.000200 | | mg/L | 1 | 1149185 | 12/1/2011 6:00:00PM | 12/2/2011 1:28:11PM |
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1148011 | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1148011 | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1148011 | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1148011 | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1148011 | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| **Aroclor 1254** | **13.1** | 0.500 | | ug/L | 1 | 1148011 | 11/21/2011 10:11:00AM | 11/23/2011 4:00:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1148011 | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| *Surrogate: Decachlorobiphenyl* | | *96.7 %* | | *48-146* | | *1148011* | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *84.0 %* | | *28-127* | | *1148011* | 11/21/2011 10:11:00AM | 11/21/2011 5:27:00PM |
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: EH/** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,1-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |

**NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**roject:** Tech Town

**Lab ID:** 11K0837-06 **Collection Date:** 11/16/2011 2:10:00PM
**Client Sample ID:** TT-MW67-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Acetonitrile | BDL | 40.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Acrolein | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| \ Disulfide | BDL | 20.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| .i Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| **cis-1,2-Dichloroethene** | **5.40** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| **Tetrachloroethene** | **22.6** | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Toluene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Trichloroethene | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| **Vinyl Chloride** | **1.15** | 1.00 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1149071 | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *109 %* | | | *66-125* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| *Sr ·ate: Dibromofluoromethane* | *113 %* | | | *75-130* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| *te: Toluene-d8* | *118 %* | | | *76-131* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |

**Belmont Labs** **Date:** 12/2/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-06 **Collection Date:** 11/16/2011 2:10:00PM
**Client Sample ID:** TT-MW67-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| *Surrogate: 1,2-Dichloroethane-d4* | *107 %* | | | *75-124* | | *1149071* | 11/23/2011 7:00:00AM | 11/23/2011 4:20:00PM |
| **PAH_FULL_8270** | | | | | | | **Analyst: MBG** | |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| *Surrogate: Nitrobenzene-d5* | *67.8 %* | | | *50-110* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| *Surrogate: 2-Fluorobiphenyl* | *65.9 %* | | | *50-104* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |
| *Surrogate: Terphenyl-d14* | *56.9 %* | | | *37-135* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 6:35:00PM |

**Belmont Labs** **Date:** 12/2/2011

**:NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-07 **Collection Date:** 11/16/2011 3:45:00PM
**Client Sample ID:** TT-MW2A-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: KDS** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,1-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| .ein | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| **cis-1,2-Dichloroethene** | **288** | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| loroethene | **98.2** | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| .e | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-07 **Collection Date:** 11/16/2011 3:45:00PM
**Client Sample ID:** TT-MW2A-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| **Trichloroethene** | **47.6** | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| **Vinyl Chloride** | **171** | 1.00 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1149088 | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *113 %* | | | *66-125* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| *Surrogate: Dibromofluoromethane* | *121 %* | | | *75-130* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| *Surrogate: Toluene-d8* | *121 %* | | | *76-131* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *119 %* | | | *75-124* | | *1149088* | 11/28/2011 9:00:00AM | 11/28/2011 4:23:00PM |
| **PAH_FULL_8270** | | | | | | | **Analyst: MBG** | |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| *Surrogate: Nitrobenzene-d5* | *66.0 %* | | | *50-110* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| *Surrogate: 2-Fluorobiphenyl* | *61.8 %* | | | *50-104* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |
| *Surrogate: Terphenyl-d14* | *54.6 %* | | | *37-135* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 7:01:00PM |

**Belmont Labs** **Date:** 12/2/2011

**:NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-08 **Collection Date:** 11/16/2011 5:05:00PM
**Client Sample ID:** TT-DAY06-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260** | | **SW 8260B** | | | | | **Analyst: EH/** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,1-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| cin | BDL | 20.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| **cis-1,2-Dichloroethene** | **30.6** | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Styrene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| oroethene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-08 **Collection Date:** 11/16/2011 5:05:00PM
**Client Sample ID:** TT-DAY06-111611 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Trichloroethene | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| **Vinyl Chloride** | **20.3** | 1.00 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1148036 | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *98.4 %* | | | *66-125* | | *1148036* | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| *Surrogate: Dibromofluoromethane* | *116 %* | | | *75-130* | | *1148036* | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| *Surrogate: Toluene-d8* | *109 %* | | | *76-131* | | *1148036* | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *102 %* | | | *75-124* | | *1148036* | 11/18/2011 8:47:00AM | 11/18/2011 2:44:00PM |
| **PAH_FULL_8270** | | | | | | | **Analyst: MBG** | |
| 2-Methylnaphthalene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Acenaphthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Acenaphthylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Anthracene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Benz(a)anthracene | BDL | 0.260 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Benzo(a)pyrene | BDL | 0.200 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Benzo(b)fluoranthene | BDL | 0.170 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Benzo(g,h,i)perylene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Benzo(k)fluoranthene | BDL | 1.70 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Chrysene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Dibenz(a,h)anthracene | BDL | 0.100 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Fluoranthene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Fluorene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Naphthalene | BDL | 1.00 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Phenanthrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| Pyrene | BDL | 10.0 | | ug/L | 1 | 1148018 | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| *Surrogate: Nitrobenzene-d5* | *68.6 %* | | | *50-110* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| *Surrogate: 2-Fluorobiphenyl* | *65.6 %* | | | *50-104* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |
| *Surrogate: Terphenyl-d14* | *52.7 %* | | | *37-135* | | *1148018* | 11/21/2011 11:04:00AM | 11/22/2011 7:27:00PM |

**:NT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-09 **Collection Date:** 11/15/2011 4:16:00PM
**Client Sample ID:** Trip Blank **Matrix:** Water

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **VOC 8260_TB** | | **SW 8260B** | | | | | **Analyst: EH/** | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,1,1-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,1,2-Trichloroethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,1-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,1-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,1-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,2-Dibromoethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,2-Dichloroethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 1,3-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 2,2-Dichloropropane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 2-Butanone | BDL | 20.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 2-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 2-Hexanone | BDL | 20.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 4-Chlorotoluene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| 4-Methyl-2-pentanone | BDL | 20.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Acetone | BDL | 20.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| itrile | BDL | 40.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| .in | BDL | 20.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Acrylonitrile | BDL | 20.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Allyl chloride | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Benzene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Bromobenzene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Bromochloromethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Bromodichloromethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Bromoform | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Bromomethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Carbon Disulfide | BDL | 20.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Carbon Tetrachloride | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Chlorobenzene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Chloroethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Chloroform | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Chloromethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| cis-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| cis-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Dibromochloromethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Dibromomethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Dichlorodifluoromethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Ethylbenzene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Iodomethane | BDL | 10.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Methylene Chloride | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Methyl tert-Butyl Ether | BDL | 10.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| m,p-Xylene | BDL | 10.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| n-Butylbenzene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| n-Hexane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| o-Xylene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| loroethene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |

**Belmont Labs** **Date:** 12/2/2011

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 11K0837
**Project:** Tech Town

**Lab ID:** 11K0837-09 **Collection Date:** 11/15/2011 4:16:00PM
**Client Sample ID:** Trip Blank **Matrix:** Water

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| Toluene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| trans-1,2-Dichloroethene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| trans-1,3-Dichloropropene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Trichloroethene | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Trichlorofluoromethane | BDL | 5.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Vinyl Chloride | BDL | 1.00 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| Vinyl acetate | BDL | 10.0 | | ug/L | 1 | 1148039 | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| *Surrogate: 4-Bromofluorobenzene* | *98.1 %* | | | *66-125* | | *1148039* | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| *Surrogate: Dibromofluoromethane* | *117 %* | | | *75-130* | | *1148039* | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| *Surrogate: Toluene-d8* | *110 %* | | | *76-131* | | *1148039* | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |
| *Surrogate: 1,2-Dichloroethane-d4* | *105 %* | | | *75-124* | | *1148039* | 11/18/2011 8:47:00AM | 11/18/2011 3:22:00PM |

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148070 - PREP_ICP_W** | | | | | | | | | | |
| **Blank (1148070-BLK1)** | | | | Prepared & Analyzed: 11/22/11 | | | | | | |
| Antimony | BDL | 0.00500 | mg/L | | | | | | | |
| Arsenic | BDL | 0.00500 | mg/L | | | | | | | |
| Barium | BDL | 0.00500 | mg/L | | | | | | | |
| Beryllium | BDL | 0.000500 | mg/L | | | | | | | |
| Cadmium | BDL | 0.00200 | mg/L | | | | | | | |
| Chromium | BDL | 0.00500 | mg/L | | | | | | | |
| Cobalt | BDL | 0.00500 | mg/L | | | | | | | |
| Copper | BDL | 0.00500 | mg/L | | | | | | | |
| Lead | BDL | 0.00500 | mg/L | | | | | | | |
| Manganese | BDL | 0.00500 | mg/L | | | | | | | |
| Nickel | BDL | 0.00500 | mg/L | | | | | | | |
| Selenium | BDL | 0.0100 | mg/L | | | | | | | |
| Silver | BDL | 0.00200 | mg/L | | | | | | | |
| Vanadium | BDL | 0.00500 | mg/L | | | | | | | |
| Zinc | BDL | 0.0100 | mg/L | | | | | | | |
| **1148070-BS1)** | | | | Prepared & Analyzed: 11/22/11 | | | | | | |
| .ony | 1.08 | 0.00500 | mg/L | 1.000 | | 108 | 85-115 | | | |
| Arsenic | 1.03 | 0.00500 | mg/L | 1.000 | | 103 | 85-115 | | | |
| Barium | 0.954 | 0.00500 | mg/L | 1.000 | | 95.4 | 85-115 | | | |
| Beryllium | 1.00 | 0.000500 | mg/L | 1.000 | | 100 | 85-115 | | | |
| Cadmium | 0.988 | 0.00200 | mg/L | 1.000 | | 98.8 | 85-115 | | | |
| Chromium | 0.975 | 0.00500 | mg/L | 1.000 | | 97.5 | 85-115 | | | |
| Cobalt | 0.984 | 0.00500 | mg/L | 1.000 | | 98.4 | 85-115 | | | |
| Copper | 1.00 | 0.00500 | mg/L | 1.000 | | 100 | 85-115 | | | |
| Lead | 0.991 | 0.00500 | mg/L | 1.000 | | 99.1 | 85-115 | | | |
| Manganese | 0.981 | 0.00500 | mg/L | 1.000 | | 98.1 | 85-115 | | | |
| Nickel | 0.974 | 0.00500 | mg/L | 1.000 | | 97.4 | 85-115 | | | |
| Selenium | 1.07 | 0.0100 | mg/L | 1.000 | | 107 | 85-115 | | | |
| Silver | 0.953 | 0.00200 | mg/L | 1.000 | | 95.3 | 85-115 | | | |
| Vanadium | 0.976 | 0.00500 | mg/L | 1.000 | | 97.6 | 85-115 | | | |
| Zinc | 1.00 | 0.0100 | mg/L | 1.000 | | 100 | 85-115 | | | |

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148070 - PREP_ICP_W** | | | | | | | | | | |
| **LCS Dup (1148070-BSD1)** | | | | Prepared & Analyzed: 11/22/11 | | | | | | |
| Antimony | 1.05 | 0.00500 | mg/L | 1.000 | | 105 | 85-115 | 2.82 | 20 | |
| Arsenic | 1.01 | 0.00500 | mg/L | 1.000 | | 101 | 85-115 | 1.96 | 20 | |
| Barium | 0.935 | 0.00500 | mg/L | 1.000 | | 93.5 | 85-115 | 2.01 | 20 | |
| Beryllium | 0.978 | 0.000500 | mg/L | 1.000 | | 97.8 | 85-115 | 2.22 | 20 | |
| Cadmium | 0.964 | 0.00200 | mg/L | 1.000 | | 96.4 | 85-115 | 2.46 | 20 | |
| Chromium | 0.953 | 0.00500 | mg/L | 1.000 | | 95.3 | 85-115 | 2.28 | 20 | |
| Cobalt | 0.961 | 0.00500 | mg/L | 1.000 | | 96.1 | 85-115 | 2.37 | 20 | |
| Copper | 0.985 | 0.00500 | mg/L | 1.000 | | 98.5 | 85-115 | 1.51 | 20 | |
| Lead | 0.965 | 0.00500 | mg/L | 1.000 | | 96.5 | 85-115 | 2.66 | 20 | |
| Manganese | 0.960 | 0.00500 | mg/L | 1.000 | | 96.0 | 85-115 | 2.16 | 20 | |
| Nickel | 0.948 | 0.00500 | mg/L | 1.000 | | 94.8 | 85-115 | 2.71 | 20 | |
| Selenium | 1.04 | 0.0100 | mg/L | 1.000 | | 104 | 85-115 | 2.84 | 20 | |
| Silver | 0.937 | 0.00200 | mg/L | 1.000 | | 93.7 | 85-115 | 1.69 | 20 | |
| Vanadium | 0.952 | 0.00500 | mg/L | 1.000 | | 95.2 | 85-115 | 2.49 | 20 | |
| Zinc | 0.980 | 0.0100 | mg/L | 1.000 | | 98.0 | 85-115 | 2.02 | 20 | |
| **Duplicate (1148070-DUP1)** | | **Source: 11K0925-05** | | Prepared & Analyzed: 11/22/11 | | | | | | |
| Antimony | 0.00961 | 0.00500 | mg/L | | ND | | | | 20 | |
| Arsenic | 0.00841 | 0.00500 | mg/L | | ND | | | | 20 | |
| Barium | 0.173 | 0.00500 | mg/L | | 0.171 | | | 1.16 | 20 | |
| Beryllium | BDL | 0.000500 | mg/L | | ND | | | | 20 | |
| Cadmium | 0.00250 | 0.00200 | mg/L | | 0.00257 | | | 2.76 | 20 | |
| Chromium | 0.000880 | 0.00500 | mg/L | | 0.000910 | | | 3.35 | 20 | |
| Cobalt | BDL | 0.00500 | mg/L | | ND | | | | 20 | |
| Copper | 0.000900 | 0.00500 | mg/L | | 0.000970 | | | 7.49 | 20 | |
| Lead | BDL | 0.00500 | mg/L | | ND | | | | 20 | |
| Manganese | 0.328 | 0.00500 | mg/L | | 0.324 | | | 1.23 | 20 | |
| Nickel | 0.000980 | 0.00500 | mg/L | | 0.000750 | | | 26.6 | 20 | R |
| Selenium | BDL | 0.0100 | mg/L | | 0.00384 | | | | 20 | |
| Silver | 0.000420 | 0.00200 | mg/L | | ND | | | | 20 | |
| Vanadium | 0.00120 | 0.00500 | mg/L | | 0.00127 | | | 5.67 | 20 | |
| Zinc | 0.00255 | 0.0100 | mg/L | | 0.00305 | | | 17.9 | 20 | |

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148070 - PREP_ICP_W** | | | | | | | | | | |
| **Matrix Spike (1148070-MS1)** | **Source: 11K0925-05** | | | Prepared & Analyzed: 11/22/11 | | | | | | |
| Antimony | 1.06 | 0.00500 | mg/L | 1.000 | ND | 106 | 75-125 | | | |
| Arsenic | 1.02 | 0.00500 | mg/L | 1.000 | ND | 102 | 75-125 | | | |
| Barium | 1.14 | 0.00500 | mg/L | 1.000 | 0.171 | 96.9 | 75-125 | | | |
| Beryllium | 0.984 | 0.000500 | mg/L | 1.000 | ND | 98.4 | 75-125 | | | |
| Cadmium | 0.961 | 0.00200 | mg/L | 1.000 | 0.00257 | 95.8 | 75-125 | | | |
| Chromium | 0.965 | 0.00500 | mg/L | 1.000 | 0.000910 | 96.4 | 75-125 | | | |
| Cobalt | 0.971 | 0.00500 | mg/L | 1.000 | ND | 97.1 | 75-125 | | | |
| Copper | 1.09 | 0.00500 | mg/L | 1.000 | 0.000970 | 109 | 75-125 | | | |
| Lead | 0.992 | 0.00500 | mg/L | 1.000 | ND | 99.2 | 75-125 | | | |
| Manganese | 1.29 | 0.00500 | mg/L | 1.000 | 0.324 | 96.6 | 75-125 | | | |
| Nickel | 0.967 | 0.00500 | mg/L | 1.000 | 0.000750 | 96.6 | 75-125 | | | |
| Selenium | 0.989 | 0.0100 | mg/L | 1.000 | 0.00384 | 98.5 | 75-125 | | | |
| Silver | 0.979 | 0.00200 | mg/L | 1.000 | ND | 97.9 | 75-125 | | | |
| Vanadium | 0.965 | 0.00500 | mg/L | 1.000 | 0.00127 | 96.4 | 75-125 | | | |
| Zinc | 0.990 | 0.0100 | mg/L | 1.000 | 0.00305 | 98.7 | 75-125 | | | |
| **Matrix Spike Dup (1148070-MSD1)** | **Source: 11K0925-05** | | | Prepared & Analyzed: 11/22/11 | | | | | | |
| Antimony | 1.07 | 0.00500 | mg/L | 1.000 | ND | 107 | 75-125 | 0.939 | 20 | |
| Arsenic | 1.03 | 0.00500 | mg/L | 1.000 | ND | 103 | 75-125 | 0.976 | 20 | |
| Barium | 1.15 | 0.00500 | mg/L | 1.000 | 0.171 | 97.9 | 75-125 | 0.873 | 20 | |
| Beryllium | 0.985 | 0.000500 | mg/L | 1.000 | ND | 98.5 | 75-125 | 0.102 | 20 | |
| Cadmium | 0.966 | 0.00200 | mg/L | 1.000 | 0.00257 | 96.3 | 75-125 | 0.519 | 20 | |
| Chromium | 0.966 | 0.00500 | mg/L | 1.000 | 0.000910 | 96.5 | 75-125 | 0.104 | 20 | |
| Cobalt | 0.974 | 0.00500 | mg/L | 1.000 | ND | 97.4 | 75-125 | 0.308 | 20 | |
| Copper | 1.10 | 0.00500 | mg/L | 1.000 | 0.000970 | 110 | 75-125 | 0.913 | 20 | |
| Lead | 0.994 | 0.00500 | mg/L | 1.000 | ND | 99.4 | 75-125 | 0.201 | 20 | |
| Manganese | 1.30 | 0.00500 | mg/L | 1.000 | 0.324 | 97.6 | 75-125 | 0.772 | 20 | |
| Nickel | 0.972 | 0.00500 | mg/L | 1.000 | 0.000750 | 97.1 | 75-125 | 0.516 | 20 | |
| Selenium | 0.951 | 0.0100 | mg/L | 1.000 | 0.00384 | 94.7 | 75-125 | 3.92 | 20 | |
| Silver | 1.02 | 0.00200 | mg/L | 1.000 | ND | 102 | 75-125 | 4.10 | 20 | |
| Vanadium | 0.968 | 0.00500 | mg/L | 1.000 | 0.00127 | 96.7 | 75-125 | 0.310 | 20 | |
| Zinc | 0.993 | 0.0100 | mg/L | 1.000 | 0.00305 | 99.0 | 75-125 | 0.303 | 20 | |

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148070 - PREP_ICP_W** | | | | | | | | | | |
| **Post Spike (1148070-PS1)** | **Source: 11K0925-05** | | | Prepared & Analyzed: 11/22/11 | | | | | | |
| Antimony | 0.859 | | mg/L | 1.000 | -0.000250 | 85.9 | 75-125 | | | |
| Arsenic | 0.886 | | mg/L | 1.000 | 0.000230 | 88.6 | 75-125 | | | |
| Barium | 1.12 | | mg/L | 1.000 | 0.171 | 94.9 | 75-125 | | | |
| Beryllium | 0.962 | | mg/L | 1.000 | -0.000110 | 96.2 | 75-125 | | | |
| Cadmium | 0.943 | | mg/L | 1.000 | 0.00257 | 94.0 | 75-125 | | | |
| Chromium | 0.941 | | mg/L | 1.000 | 0.000910 | 94.0 | 75-125 | | | |
| Cobalt | 0.955 | | mg/L | 1.000 | -0.0000500 | 95.5 | 75-125 | | | |
| Copper | 1.07 | | mg/L | 1.000 | 0.000970 | 107 | 75-125 | | | |
| Lead | 0.972 | | mg/L | 1.000 | 0.000210 | 97.2 | 75-125 | | | |
| Manganese | 1.26 | | mg/L | 1.000 | 0.324 | 93.6 | 75-125 | | | |
| Nickel | 0.948 | | mg/L | 1.000 | 0.000750 | 94.7 | 75-125 | | | |
| Selenium | 1.02 | | mg/L | 1.000 | 0.00384 | 102 | 75-125 | | | |
| Silver | 0.944 | | mg/L | 1.000 | 0.000110 | 94.4 | 75-125 | | | |
| Vanadium | 0.946 | | mg/L | 1.000 | 0.00127 | 94.5 | 75-125 | | | |
| Zinc | 0.970 | | mg/L | 1.000 | 0.00305 | 96.7 | 75-125 | | | |
| **Batch 1149155 - PREP_ICP_W** | | | | | | | | | | |
| **Blank (1149155-BLK1)** | | | | Prepared & Analyzed: 12/01/11 | | | | | | |
| Aluminum | BDL | 0.100 | mg/L | | | | | | | |
| Calcium | BDL | 0.100 | mg/L | | | | | | | |
| Iron | BDL | 0.0500 | mg/L | | | | | | | |
| Magnesium | BDL | 0.100 | mg/L | | | | | | | |
| Potassium | BDL | 1.00 | mg/L | | | | | | | |
| Sodium | BDL | 1.00 | mg/L | | | | | | | |
| **LCS (1149155-BS1)** | | | | Prepared & Analyzed: 12/01/11 | | | | | | |
| Aluminum | 1.05 | 0.100 | mg/L | 1.000 | | 105 | 85-115 | | | |
| Calcium | 49.3 | 0.100 | mg/L | 51.23 | | 96.2 | 85-115 | | | |
| Iron | 1.07 | 0.0500 | mg/L | 1.000 | | 107 | 85-115 | | | |
| Magnesium | 52.0 | 0.100 | mg/L | 51.13 | | 102 | 85-115 | | | |
| Potassium | 56.3 | 1.00 | mg/L | 60.06 | | 93.7 | 85-115 | | | |
| Sodium | 52.5 | 1.00 | mg/L | 51.05 | | 103 | 85-115 | | | |

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149155 - PREP_ICP_W** | | | | | | | | | | |
| **LCS Dup (1149155-BSD1)** | | | | Prepared & Analyzed: 12/01/11 | | | | | | |
| Aluminum | 1.06 | 0.100 | mg/L | 1.000 | | 106 | 85-115 | 0.948 | 20 | |
| Calcium | 49.5 | 0.100 | mg/L | 51.23 | | 96.6 | 85-115 | 0.405 | 20 | |
| Iron | 1.09 | 0.0500 | mg/L | 1.000 | | 109 | 85-115 | 1.85 | 20 | |
| Magnesium | 52.5 | 0.100 | mg/L | 51.13 | | 103 | 85-115 | 0.957 | 20 | |
| Potassium | 55.4 | 1.00 | mg/L | 60.06 | | 92.2 | 85-115 | 1.61 | 20 | |
| Sodium | 52.6 | 1.00 | mg/L | 51.05 | | 103 | 85-115 | 0.190 | 20 | |
| **Duplicate (1149155-DUP1)** | **Source: 11K1129-01** | | | Prepared & Analyzed: 12/01/11 | | | | | | |
| Aluminum | 0.0796 | 0.100 | mg/L | | 0.0596 | | | 28.7 | 20 | QM-05 |
| Calcium | 285 | 0.100 | mg/L | | 277 | | | 2.85 | 20 | |
| Iron | 1.00 | 0.0500 | mg/L | | 0.977 | | | 2.33 | 20 | |
| Magnesium | 138 | 0.100 | mg/L | | 134 | | | 2.94 | 20 | |
| Potassium | 26.7 | 1.00 | mg/L | | 26.1 | | | 2.27 | 20 | |
| Sodium | 72.6 | 1.00 | mg/L | | 70.6 | | | 2.79 | 20 | |
| **Matrix Spike (1149155-MS1)** | **Source: 11K1129-01** | | | Prepared & Analyzed: 12/01/11 | | | | | | |
| ium | 1.13 | 0.100 | mg/L | 1.000 | 0.0596 | 107 | 75-125 | | | |
| n | 318 | 0.100 | mg/L | 51.23 | 277 | 80.0 | 75-125 | | | |
| Iron | 1.99 | 0.0500 | mg/L | 1.000 | 0.977 | 101 | 75-125 | | | |
| Magnesium | 184 | 0.100 | mg/L | 51.13 | 134 | 97.8 | 75-125 | | | |
| Potassium | 95.8 | 1.00 | mg/L | 60.06 | 26.1 | 116 | 75-125 | | | |
| Sodium | 145 | 1.00 | mg/L | 51.05 | 70.6 | 146 | 75-125 | | | QM-05 |
| **Matrix Spike Dup (1149155-MSD1)** | **Source: 11K1129-01** | | | Prepared & Analyzed: 12/01/11 | | | | | | |
| Aluminum | 1.17 | 0.100 | mg/L | 1.000 | 0.0596 | 111 | 75-125 | 3.48 | 20 | |
| Calcium | 336 | 0.100 | mg/L | 51.23 | 277 | 115 | 75-125 | 5.50 | 20 | |
| Iron | 2.07 | 0.0500 | mg/L | 1.000 | 0.977 | 109 | 75-125 | 3.94 | 20 | |
| Magnesium | 194 | 0.100 | mg/L | 51.13 | 134 | 117 | 75-125 | 5.29 | 20 | |
| Potassium | 101 | 1.00 | mg/L | 60.06 | 26.1 | 125 | 75-125 | 5.28 | 20 | |
| Sodium | 154 | 1.00 | mg/L | 51.05 | 70.6 | 163 | 75-125 | 6.02 | 20 | QM-05 |

## Total Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149155 - PREP_ICP_W** | | | | | | | | | | |
| **Post Spike (1149155-PS1)** | **Source: 11K1129-01** | | | Prepared & Analyzed: 12/01/11 | | | | | | |
| Aluminum | 1.17 | | mg/L | 1.000 | 0.0596 | 111 | 75-125 | | | |
| Calcium | 336 | | mg/L | 51.23 | 277 | 115 | 75-125 | | | |
| Iron | 2.06 | | mg/L | 1.000 | 0.977 | 108 | 75-125 | | | |
| Magnesium | 194 | | mg/L | 51.13 | 134 | 117 | 75-125 | | | |
| Potassium | 101 | | mg/L | 60.06 | 26.1 | 125 | 75-125 | | | |
| Sodium | 154 | | mg/L | 51.05 | 70.6 | 163 | 75-125 | | | QM-05 |

## Metals by EPA 6000/7000 Series Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149086 - PREP_GFAA_W** | | | | | | | | | | |
| **Blank (1149086-BLK1)** | | | | Prepared: 11/30/11 Analyzed: 12/01/11 | | | | | | |
| Thallium | BDL | 0.00100 | mg/L | | | | | | | |
| **LCS (1149086-BS1)** | | | | Prepared: 11/30/11 Analyzed: 12/01/11 | | | | | | |
| Thallium | 0.00992 | 0.00100 | mg/L | 0.01000 | | 99 | 80-120 | | | |
| **LCS Dup (1149086-BSD1)** | | | | Prepared: 11/30/11 Analyzed: 12/01/11 | | | | | | |
| Thallium | 0.00924 | 0.00100 | mg/L | 0.01000 | | 92 | 80-120 | 7 | 20 | |
| **Duplicate (1149086-DUP1)** | | **Source: 11K0968-02** | | Prepared: 11/30/11 Analyzed: 12/01/11 | | | | | | |
| Thallium | BDL | 0.00100 | mg/L | | ND | | | | 200 | K |
| **Matrix Spike (1149086-MS1)** | | **Source: 11K0968-01** | | Prepared: 11/30/11 Analyzed: 12/01/11 | | | | | | |
| Thallium | 0.0116 | 0.00100 | mg/L | 0.01000 | ND | 116 | 70-130 | | | K |
| **Matrix Spike Dup (1149086-MSD1)** | | **Source: 11K0968-01** | | Prepared: 11/30/11 Analyzed: 12/01/11 | | | | | | |
| Thallium | 0.0166 | 0.00100 | mg/L | 0.01000 | ND | 166 | 70-130 | 36 | 30 | K, QM-05, R |
| **Post Spike (1149086-PS1)** | | **Source: 11K0968-01** | | Prepared: 11/30/11 Analyzed: 12/01/11 | | | | | | |
| n | 9.21 | | ug/L | 10.00 | 0.200 | 90 | 0-200 | | | K |

## Mercury Analysis - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149185 - PREP_HG_W** | | | | | | | | | | |
| **Blank (1149185-BLK1)** | | | | Prepared: 12/01/11 Analyzed: 12/02/11 | | | | | | |
| Mercury | BDL | 0.000200 | mg/L | | | | | | | |
| **LCS (1149185-BS1)** | | | | Prepared: 12/01/11 Analyzed: 12/02/11 | | | | | | |
| Mercury | 0.00556 | 0.000200 | mg/L | 0.006250 | | 89 | 80-120 | | | |
| **LCS Dup (1149185-BSD1)** | | | | Prepared: 12/01/11 Analyzed: 12/02/11 | | | | | | |
| Mercury | 0.00589 | 0.000200 | mg/L | 0.006250 | | 94 | 80-120 | 6 | 20 | |
| **Matrix Spike (1149185-MS1)** | | **Source: 11K0925-05** | | Prepared: 12/01/11 Analyzed: 12/02/11 | | | | | | |
| Mercury | 0.00551 | 0.000200 | mg/L | 0.006250 | 0.0000302 | 88 | 70-130 | | | |
| **Matrix Spike Dup (1149185-MSD1)** | | **Source: 11K0925-05** | | Prepared: 12/01/11 Analyzed: 12/02/11 | | | | | | |
| Mercury | 0.00552 | 0.000200 | mg/L | 0.006250 | 0.0000302 | 88 | 70-130 | 0.2 | 30 | |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148011 - PREP_PP_W** | | | | | | | | | | |
| **Blank (1148011-BLK1)** | | | | Prepared & Analyzed: 11/21/11 | | | | | | |
| Aroclor 1016 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1221 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1232 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1242 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1248 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1254 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1260 | BDL | 0.500 | ug/L | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.956* | | *ug/L* | *1.000* | | *95.6* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.861* | | *ug/L* | *1.000* | | *86.1* | *28-127* | | | |
| **LCS (1148011-BS1)** | | | | Prepared & Analyzed: 11/21/11 | | | | | | |
| Aroclor 1016 | 9.88 | 0.500 | ug/L | 10.00 | | 98.8 | 69-138 | | | |
| Aroclor 1260 | 8.12 | 0.500 | ug/L | 10.00 | | 81.2 | 70-131 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.960* | | *ug/L* | *1.000* | | *96.0* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.542* | | *ug/L* | *1.000* | | *54.2* | *28-127* | | | |
| **)up (1148011-BSD1)** | | | | Prepared & Analyzed: 11/21/11 | | | | | | |
| or 1016 | 9.40 | 0.500 | ug/L | 10.00 | | 94.0 | 69-138 | 5.05 | 14 | |
| Aroclor 1260 | 7.83 | 0.500 | ug/L | 10.00 | | 78.3 | 70-131 | 3.58 | 19 | |
| *Surrogate: Decachlorobiphenyl* | *0.907* | | *ug/L* | *1.000* | | *90.7* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.522* | | *ug/L* | *1.000* | | *52.2* | *28-127* | | | |
| **Matrix Spike (1148011-MS1)** | **Source: 11K0925-05** | | | Prepared & Analyzed: 11/21/11 | | | | | | |
| Aroclor 1016 | 104 | 0.500 | ug/L | 10.00 | ND | NR | 41-163 | | | M |
| Aroclor 1260 | 19.6 | 0.500 | ug/L | 10.00 | ND | 196 | 50-111 | | | M |
| *Surrogate: Decachlorobiphenyl* | *0.770* | | *ug/L* | *1.000* | | *77.0* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *1.01* | | *ug/L* | *1.000* | | *101* | *28-127* | | | |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148011 - PREP_PP_W** | | | | | | | | | | |
| **Matrix Spike Dup (1148011-MSD1)** | **Source: 11K0925-05** | | | Prepared & Analyzed: 11/21/11 | | | | | | |
| Aroclor 1016 | 124 | 0.500 | ug/L | 10.00 | ND | NR | 41-163 | 17.9 | 17 | M |
| Aroclor 1260 | 15.7 | 0.500 | ug/L | 10.00 | ND | 157 | 50-111 | 22.2 | 22 | M |
| *Surrogate: Decachlorobiphenyl* | *0.827* | | *ug/L* | *1.000* | | *82.7* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.791* | | *ug/L* | *1.000* | | *79.1* | *28-127* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148036 - VOC PREP** | | | | | | | | | | |
| **Blank (1148036-BLK1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dibromoethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 1,3-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2-Butanone | BDL | 20.0 | ug/L | | | | | | | |
| 2-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 2-Hexanone | BDL | 20.0 | ug/L | | | | | | | |
| 4-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone | BDL | 20.0 | ug/L | | | | | | | |
| Acetone | BDL | 20.0 | ug/L | | | | | | | |
| Acetonitrile | BDL | 40.0 | ug/L | | | | | | | |
| Acrolein | BDL | 20.0 | ug/L | | | | | | | |
| Acrylonitrile | BDL | 20.0 | ug/L | | | | | | | |
| Allyl chloride | BDL | 5.00 | ug/L | | | | | | | |
| Benzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromodichloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromoform | BDL | 5.00 | ug/L | | | | | | | |
| Bromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Carbon Disulfide | BDL | 20.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | BDL | 5.00 | ug/L | | | | | | | |
| Chlorobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Chloroethane | BDL | 5.00 | ug/L | | | | | | | |
| Chloroform | BDL | 5.00 | ug/L | | | | | | | |
| Chloromethane | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Dibromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Dibromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Dichlorodifluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Ethylbenzene | BDL | 5.00 | ug/L | | | | | | | |
| Iodomethane | BDL | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | BDL | 5.00 | ug/L | | | | | | | |
| Methyl tert-Butyl Ether | BDL | 10.0 | ug/L | | | | | | | |
| Naphthalene | BDL | 10.0 | ug/L | | | | | | | |
| n-Propylbenzene | BDL | 5.00 | ug/L | | | | | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148036 - VOC PREP** | | | | | | | | | | |
| **Blank (1148036-BLK1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| o-Xylene | BDL | 5.00 | ug/L | | | | | | | |
| Styrene | BDL | 5.00 | ug/L | | | | | | | |
| Tetrachloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Toluene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Trichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Trichlorofluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Vinyl Chloride | BDL | 1.00 | ug/L | | | | | | | |
| Vinyl acetate | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | *ug/L* | *50.00* | | *99.0* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *56.8* | | *ug/L* | *50.00* | | *114* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *53.6* | | *ug/L* | *50.00* | | *107* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.0* | | *ug/L* | *50.00* | | *102* | *75-124* | | | |
| **LCS (1148036-BS1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.5 | | ug/L | 20.00 | | 103 | 80-123 | | | L |
| 1,1,1-Trichloroethane | 23.2 | | ug/L | 20.00 | | 116 | 75-135 | | | |
| 1,1,2,2-Tetrachloroethane | 20.6 | | ug/L | 20.00 | | 103 | 76-133 | | | |
| 1,1,2-Trichloroethane | 20.4 | | ug/L | 20.00 | | 102 | 80-124 | | | |
| 1,1-Dichloroethane | 25.4 | | ug/L | 20.00 | | 127 | 74-136 | | | |
| 1,1-Dichloroethene | 27.8 | | ug/L | 20.00 | | 139 | 61-154 | | | |
| 1,1-Dichloropropene | 22.8 | | ug/L | 20.00 | | 114 | 78-135 | | | |
| 1,2-Dibromoethane | 20.1 | | ug/L | 20.00 | | 100 | 76-125 | | | |
| 1,2-Dichloroethane | 24.6 | | ug/L | 20.00 | | 123 | 74-130 | | | |
| 1,2-Dichloropropane | 23.9 | | ug/L | 20.00 | | 119 | 78-126 | | | |
| 1,3-Dichloropropane | 21.0 | | ug/L | 20.00 | | 105 | 80-127 | | | |
| 2,2-Dichloropropane | 29.4 | | ug/L | 20.00 | | 147 | 49-183 | | | |
| 2-Butanone | 93.5 | | ug/L | 80.00 | | 117 | 53-157 | | | L |
| 2-Chlorotoluene | 23.4 | | ug/L | 20.00 | | 117 | 75-132 | | | |
| 2-Hexanone | 84.7 | | ug/L | 80.00 | | 106 | 64-147 | | | L |
| 4-Chlorotoluene | 21.1 | | ug/L | 20.00 | | 106 | 80-125 | | | |
| 4-Methyl-2-pentanone | 70.3 | | ug/L | 80.00 | | 87.8 | 74-133 | | | L |
| Acetone | 100 | | ug/L | 80.00 | | 125 | 35-191 | | | L |
| Acetonitrile | 209 | | ug/L | 199.7 | | 105 | 45-166 | | | |
| Acrylonitrile | 21.8 | | ug/L | 24.00 | | 90.7 | 64-137 | | | |
| Allyl chloride | 24.9 | | ug/L | 19.93 | | 125 | 60-150 | | | |
| Benzene | 23.1 | | ug/L | 20.00 | | 116 | 81-128 | | | |
| Bromobenzene | 20.6 | | ug/L | 20.00 | | 103 | 83-122 | | | |
| Bromochloromethane | 22.5 | | ug/L | 20.00 | | 112 | 81-127 | | | |
| Bromodichloromethane | 22.8 | | ug/L | 20.00 | | 114 | 79-123 | | | |
| Bromoform | 18.7 | | ug/L | 20.00 | | 93.6 | 59-130 | | | |
| Bromomethane | 31.0 | | ug/L | 20.00 | | 155 | 68-148 | | | L |
| Carbon Disulfide | 134 | | ug/L | 80.00 | | 168 | 44-162 | | | L |
| Carbon Tetrachloride | 24.1 | | ug/L | 20.00 | | 120 | 64-132 | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148036 - VOC PREP** | | | | | | | | | | |
| **LCS (1148036-BS1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Chlorobenzene | 22.1 | | ug/L | 20.00 | | 110 | 82-122 | | | |
| Chloroethane | 19.4 | | ug/L | 20.00 | | 97.2 | 48-150 | | | |
| Chloroform | 23.3 | | ug/L | 20.00 | | 117 | 74-132 | | | |
| Chloromethane | 27.1 | | ug/L | 20.00 | | 135 | 50-166 | | | |
| cis-1,2-Dichloroethene | 25.7 | | ug/L | 20.00 | | 129 | 77-134 | | | |
| cis-1,3-Dichloropropene | 23.6 | | ug/L | 20.00 | | 118 | 77-127 | | | |
| Dibromochloromethane | 20.2 | | ug/L | 20.00 | | 101 | 69-123 | | | |
| Dibromomethane | 20.5 | | ug/L | 20.00 | | 102 | 82-127 | | | |
| Dichlorodifluoromethane | 28.3 | | ug/L | 20.00 | | 142 | 41-145 | | | |
| Ethylbenzene | 23.1 | | ug/L | 20.00 | | 115 | 82-126 | | | |
| Iodomethane | 118 | | ug/L | 80.00 | | 147 | 50-144 | | | L |
| Methylene Chloride | 22.9 | | ug/L | 20.00 | | 114 | 69-137 | | | |
| Methyl tert-Butyl Ether | 21.6 | | ug/L | 20.00 | | 108 | 73-127 | | | |
| m,p-Xylene | 45.4 | | ug/L | 40.00 | | 114 | 82-131 | | | |
| n-Hexane | 26.5 | | ug/L | 20.00 | | 133 | 41-166 | | | |
| [illegible]ene | 21.6 | | ug/L | 20.00 | | 108 | 80-126 | | | |
| | 20.9 | | ug/L | 20.00 | | 105 | 80-127 | | | |
| Tetrachloroethene | 12.4 | | ug/L | 20.00 | | 62.1 | 43-152 | | | |
| Toluene | 23.1 | | ug/L | 20.00 | | 115 | 84-129 | | | |
| trans-1,2-Dichloroethene | 24.1 | | ug/L | 20.00 | | 121 | 73-132 | | | |
| trans-1,3-Dichloropropene | 24.8 | | ug/L | 20.00 | | 124 | 80-131 | | | |
| Trichloroethene | 21.3 | | ug/L | 20.00 | | 106 | 79-129 | | | |
| Trichlorofluoromethane | 23.5 | | ug/L | 20.00 | | 118 | 64-163 | | | |
| Vinyl Chloride | 27.2 | | ug/L | 20.00 | | 136 | 61-157 | | | |
| Vinyl acetate | 121 | | ug/L | 80.00 | | 151 | 36-205 | | | L |
| *Surrogate: 4-Bromofluorobenzene* | *51.0* | | *ug/L* | *50.00* | | *102* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *55.4* | | *ug/L* | *50.00* | | *111* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *54.1* | | *ug/L* | *50.00* | | *108* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.7* | | *ug/L* | *50.00* | | *99.4* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148036 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1148036-BSD1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.2 | | ug/L | 20.00 | | 101 | 80-123 | 1.47 | 11 | |
| 1,1,1-Trichloroethane | 21.8 | | ug/L | 20.00 | | 109 | 75-135 | 6.49 | 11 | |
| 1,1,2,2-Tetrachloroethane | 20.6 | | ug/L | 20.00 | | 103 | 76-133 | 0.0972 | 14 | |
| 1,1,2-Trichloroethane | 20.2 | | ug/L | 20.00 | | 101 | 80-124 | 1.48 | 12 | |
| 1,1-Dichloroethane | 25.1 | | ug/L | 20.00 | | 125 | 74-136 | 1.54 | 12 | |
| 1,1-Dichloroethene | 26.4 | | ug/L | 20.00 | | 132 | 61-154 | 4.99 | 14 | |
| 1,1-Dichloropropene | 21.7 | | ug/L | 20.00 | | 109 | 78-135 | 4.94 | 11 | |
| 1,2-Dibromoethane | 19.7 | | ug/L | 20.00 | | 98.6 | 76-125 | 1.76 | 43 | |
| 1,2-Dichloroethane | 24.2 | | ug/L | 20.00 | | 121 | 74-130 | 1.64 | 10 | |
| 1,2-Dichloropropane | 23.6 | | ug/L | 20.00 | | 118 | 78-126 | 1.31 | 10 | |
| 1,3-Dichloropropane | 21.1 | | ug/L | 20.00 | | 106 | 80-127 | 0.522 | 11 | |
| 2,2-Dichloropropane | 28.2 | | ug/L | 20.00 | | 141 | 49-183 | 4.20 | 13 | |
| 2-Butanone | 100 | | ug/L | 80.00 | | 125 | 53-157 | 6.97 | 18 | L |
| 2-Chlorotoluene | 22.3 | | ug/L | 20.00 | | 111 | 75-132 | 4.78 | 43 | |
| 2-Hexanone | 88.7 | | ug/L | 80.00 | | 111 | 64-147 | 4.63 | 18 | L |
| 4-Chlorotoluene | 20.5 | | ug/L | 20.00 | | 103 | 80-125 | 2.84 | 11 | |
| 4-Methyl-2-pentanone | 68.2 | | ug/L | 80.00 | | 85.3 | 74-133 | 2.93 | 17 | L |
| Acetone | 108 | | ug/L | 80.00 | | 135 | 35-191 | 7.75 | 23 | L |
| Acetonitrile | 209 | | ug/L | 199.7 | | 105 | 45-166 | 0.153 | 48 | |
| Acrylonitrile | 21.9 | | ug/L | 24.00 | | 91.4 | 64-137 | 0.732 | 18 | |
| Allyl chloride | 23.5 | | ug/L | 19.93 | | 118 | 60-150 | 5.83 | 16 | |
| Benzene | 22.2 | | ug/L | 20.00 | | 111 | 81-128 | 4.19 | 10 | |
| Bromobenzene | 20.0 | | ug/L | 20.00 | | 100 | 83-122 | 2.76 | 11 | |
| Bromochloromethane | 22.3 | | ug/L | 20.00 | | 112 | 81-127 | 0.803 | 10 | |
| Bromodichloromethane | 22.0 | | ug/L | 20.00 | | 110 | 79-123 | 3.62 | 10 | |
| Bromoform | 18.6 | | ug/L | 20.00 | | 93.0 | 59-130 | 0.696 | 17 | |
| Bromomethane | 27.7 | | ug/L | 20.00 | | 138 | 68-148 | 11.3 | 17 | |
| Carbon Disulfide | 126 | | ug/L | 80.00 | | 158 | 44-162 | 5.93 | 17 | L |
| Carbon Tetrachloride | 22.9 | | ug/L | 20.00 | | 114 | 64-132 | 5.07 | 12 | |
| Chlorobenzene | 21.3 | | ug/L | 20.00 | | 106 | 82-122 | 3.74 | 10 | |
| Chloroethane | 18.7 | | ug/L | 20.00 | | 93.5 | 48-150 | 3.83 | 33 | |
| Chloroform | 23.0 | | ug/L | 20.00 | | 115 | 74-132 | 1.17 | 10 | |
| Chloromethane | 25.0 | | ug/L | 20.00 | | 125 | 50-166 | 8.15 | 18 | |
| cis-1,2-Dichloroethene | 25.2 | | ug/L | 20.00 | | 126 | 77-134 | 1.96 | 11 | |
| cis-1,3-Dichloropropene | 23.0 | | ug/L | 20.00 | | 115 | 77-127 | 2.88 | 12 | |
| Dibromochloromethane | 19.9 | | ug/L | 20.00 | | 99.6 | 69-123 | 1.64 | 14 | |
| Dibromomethane | 20.2 | | ug/L | 20.00 | | 101 | 82-127 | 1.48 | 11 | |
| Dichlorodifluoromethane | 26.1 | | ug/L | 20.00 | | 130 | 41-145 | 8.31 | 21 | |
| Ethylbenzene | 21.9 | | ug/L | 20.00 | | 110 | 82-126 | 5.11 | 11 | |
| Iodomethane | 113 | | ug/L | 80.00 | | 142 | 50-144 | 3.89 | 14 | L |
| Methylene Chloride | 22.3 | | ug/L | 20.00 | | 111 | 69-137 | 2.75 | 12 | |
| Methyl tert-Butyl Ether | 21.8 | | ug/L | 20.00 | | 109 | 73-127 | 0.874 | 11 | |
| m,p-Xylene | 43.8 | | ug/L | 40.00 | | 109 | 82-131 | 3.70 | 11 | |
| n-Hexane | 24.6 | | ug/L | 20.00 | | 123 | 41-166 | 7.67 | 17 | |
| o-Xylene | 21.0 | | ug/L | 20.00 | | 105 | 80-126 | 2.82 | 12 | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148036 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1148036-BSD1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Styrene | 20.4 | | ug/L | 20.00 | | 102 | 80-127 | 2.71 | 40 | |
| Tetrachloroethene | 13.2 | | ug/L | 20.00 | | 65.8 | 43-152 | 5.86 | 26 | |
| Toluene | 22.3 | | ug/L | 20.00 | | 111 | 84-129 | 3.57 | 11 | |
| trans-1,2-Dichloroethene | 22.9 | | ug/L | 20.00 | | 114 | 73-132 | 5.36 | 11 | |
| trans-1,3-Dichloropropene | 24.4 | | ug/L | 20.00 | | 122 | 80-131 | 1.58 | 12 | |
| Trichloroethene | 20.5 | | ug/L | 20.00 | | 102 | 79-129 | 3.93 | 12 | |
| Trichlorofluoromethane | 21.0 | | ug/L | 20.00 | | 105 | 64-163 | 11.1 | 16 | |
| Vinyl Chloride | 25.2 | | ug/L | 20.00 | | 126 | 61-157 | 7.48 | 17 | |
| Vinyl acetate | 121 | | ug/L | 80.00 | | 151 | 36-205 | 0.157 | 27 | L |
| *Surrogate: 4-Bromofluorobenzene* | *51.3* | | *ug/L* | *50.00* | | *103* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *56.4* | | *ug/L* | *50.00* | | *113* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *53.8* | | *ug/L* | *50.00* | | *108* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.7* | | *ug/L* | *50.00* | | *101* | *75-124* | | | |
| **Batch 1148039 - VOC PREP** | | | | | | | | | | |
| **(1148039-BLK1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dibromoethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 1,3-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2-Butanone | BDL | 20.0 | ug/L | | | | | | | |
| 2-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 2-Hexanone | BDL | 20.0 | ug/L | | | | | | | |
| 4-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone | BDL | 20.0 | ug/L | | | | | | | |
| Acetone | BDL | 20.0 | ug/L | | | | | | | |
| Acetonitrile | BDL | 40.0 | ug/L | | | | | | | |
| Acrolein | BDL | 20.0 | ug/L | | | | | | | |
| Acrylonitrile | BDL | 20.0 | ug/L | | | | | | | |
| Allyl chloride | BDL | 5.00 | ug/L | | | | | | | |
| Benzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromodichloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromoform | BDL | 5.00 | ug/L | | | | | | | |
| Bromomethane | BDL | 5.00 | ug/L | | | | | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148039 - VOC PREP** | | | | | | | | | | |
| **Blank (1148039-BLK1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Carbon Disulfide | BDL | 20.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | BDL | 5.00 | ug/L | | | | | | | |
| Chlorobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Chloroethane | BDL | 5.00 | ug/L | | | | | | | |
| Chloroform | BDL | 5.00 | ug/L | | | | | | | |
| Chloromethane | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Dibromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Dibromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Dichlorodifluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Ethylbenzene | BDL | 5.00 | ug/L | | | | | | | |
| Iodomethane | BDL | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | BDL | 5.00 | ug/L | | | | | | | |
| Methyl tert-Butyl Ether | BDL | 10.0 | ug/L | | | | | | | |
| m,p-Xylene | BDL | 10.0 | ug/L | | | | | | | |
| n-Butylbenzene | BDL | 5.00 | ug/L | | | | | | | |
| n-Hexane | BDL | 5.00 | ug/L | | | | | | | |
| o-Xylene | BDL | 5.00 | ug/L | | | | | | | |
| Styrene | BDL | 5.00 | ug/L | | | | | | | |
| Tetrachloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Toluene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Trichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Trichlorofluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Vinyl Chloride | BDL | 1.00 | ug/L | | | | | | | |
| Vinyl acetate | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *49.5* | | *ug/L* | *50.00* | | *99.0* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *56.8* | | *ug/L* | *50.00* | | *114* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *53.6* | | *ug/L* | *50.00* | | *107* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.0* | | *ug/L* | *50.00* | | *102* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148039 - VOC PREP** | | | | | | | | | | |
| **LCS (1148039-BS1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.5 | | ug/L | 20.00 | | 103 | 80-123 | | | |
| 1,1,1-Trichloroethane | 23.2 | | ug/L | 20.00 | | 116 | 75-135 | | | |
| 1,1,2,2-Tetrachloroethane | 20.6 | | ug/L | 20.00 | | 103 | 76-133 | | | |
| 1,1,2-Trichloroethane | 20.4 | | ug/L | 20.00 | | 102 | 80-124 | | | |
| 1,1-Dichloroethane | 25.4 | | ug/L | 20.00 | | 127 | 74-136 | | | |
| 1,1-Dichloroethene | 27.8 | | ug/L | 20.00 | | 139 | 61-154 | | | |
| 1,1-Dichloropropene | 22.8 | | ug/L | 20.00 | | 114 | 78-135 | | | |
| 1,2-Dibromoethane | 20.1 | | ug/L | 20.00 | | 100 | 76-125 | | | |
| 1,2-Dichloroethane | 24.6 | | ug/L | 20.00 | | 123 | 74-130 | | | |
| 1,2-Dichloropropane | 23.9 | | ug/L | 20.00 | | 119 | 78-126 | | | |
| 1,3-Dichloropropane | 21.0 | | ug/L | 20.00 | | 105 | 80-127 | | | |
| 2,2-Dichloropropane | 29.4 | | ug/L | 20.00 | | 147 | 49-183 | | | |
| 2-Butanone | 93.5 | | ug/L | 80.00 | | 117 | 53-157 | | | L |
| 2-Chlorotoluene | 23.4 | | ug/L | 20.00 | | 117 | 75-132 | | | |
| 2-Hexanone | 84.7 | | ug/L | 80.00 | | 106 | 64-147 | | | L |
| 4-Chlorotoluene | 21.1 | | ug/L | 20.00 | | 106 | 80-125 | | | |
| 4-Methyl-2-pentanone | 70.3 | | ug/L | 80.00 | | 87.8 | 74-133 | | | L |
| Acetone | 100 | | ug/L | 80.00 | | 125 | 35-191 | | | L |
| Acetonitrile | 209 | | ug/L | 199.7 | | 105 | 45-166 | | | |
| Acrylonitrile | 21.8 | | ug/L | 24.00 | | 90.7 | 64-137 | | | |
| Allyl chloride | 24.9 | | ug/L | 19.93 | | 125 | 60-150 | | | |
| Benzene | 23.1 | | ug/L | 20.00 | | 116 | 81-128 | | | |
| Bromobenzene | 20.6 | | ug/L | 20.00 | | 103 | 83-122 | | | |
| Bromochloromethane | 22.5 | | ug/L | 20.00 | | 112 | 81-127 | | | |
| Bromodichloromethane | 22.8 | | ug/L | 20.00 | | 114 | 79-123 | | | |
| Bromoform | 18.7 | | ug/L | 20.00 | | 93.6 | 59-130 | | | |
| Bromomethane | 31.0 | | ug/L | 20.00 | | 155 | 68-148 | | | L |
| Carbon Disulfide | 134 | | ug/L | 80.00 | | 168 | 44-162 | | | L |
| Carbon Tetrachloride | 24.1 | | ug/L | 20.00 | | 120 | 64-132 | | | |
| Chlorobenzene | 22.1 | | ug/L | 20.00 | | 110 | 82-122 | | | |
| Chloroethane | 19.4 | | ug/L | 20.00 | | 97.2 | 48-150 | | | |
| Chloroform | 23.3 | | ug/L | 20.00 | | 117 | 74-132 | | | |
| Chloromethane | 27.1 | | ug/L | 20.00 | | 135 | 50-166 | | | |
| cis-1,2-Dichloroethene | 25.7 | | ug/L | 20.00 | | 129 | 77-134 | | | |
| cis-1,3-Dichloropropene | 23.6 | | ug/L | 20.00 | | 118 | 77-127 | | | |
| Dibromochloromethane | 20.2 | | ug/L | 20.00 | | 101 | 69-123 | | | |
| Dibromomethane | 20.5 | | ug/L | 20.00 | | 102 | 82-127 | | | |
| Dichlorodifluoromethane | 28.3 | | ug/L | 20.00 | | 142 | 41-145 | | | |
| Ethylbenzene | 23.1 | | ug/L | 20.00 | | 115 | 82-126 | | | |
| Iodomethane | 118 | | ug/L | 80.00 | | 147 | 50-144 | | | L |
| Methylene Chloride | 22.9 | | ug/L | 20.00 | | 114 | 69-137 | | | |
| Methyl tert-Butyl Ether | 21.6 | | ug/L | 20.00 | | 108 | 73-127 | | | |
| m,p-Xylene | 45.4 | | ug/L | 40.00 | | 114 | 82-131 | | | |
| n-Butylbenzene | 23.4 | | ug/L | 20.00 | | 117 | 64-147 | | | |
| n-Propylbenzene | 26.5 | | ug/L | 20.00 | | 133 | 41-166 | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148039 - VOC PREP** | | | | | | | | | | |
| **LCS (1148039-BS1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| o-Xylene | 21.6 | | ug/L | 20.00 | | 108 | 80-126 | | | |
| Styrene | 20.9 | | ug/L | 20.00 | | 105 | 80-127 | | | |
| Tetrachloroethene | 12.4 | | ug/L | 20.00 | | 62.1 | 43-152 | | | |
| Toluene | 23.1 | | ug/L | 20.00 | | 115 | 84-129 | | | |
| trans-1,2-Dichloroethene | 24.1 | | ug/L | 20.00 | | 121 | 73-132 | | | |
| trans-1,3-Dichloropropene | 24.8 | | ug/L | 20.00 | | 124 | 80-131 | | | |
| Trichloroethene | 21.3 | | ug/L | 20.00 | | 106 | 79-129 | | | |
| Trichlorofluoromethane | 23.5 | | ug/L | 20.00 | | 118 | 64-163 | | | |
| Vinyl Chloride | 27.2 | | ug/L | 20.00 | | 136 | 61-157 | | | |
| Vinyl acetate | 121 | | ug/L | 80.00 | | 151 | 36-205 | | | L |
| *Surrogate: 4-Bromofluorobenzene* | *51.0* | | *ug/L* | *50.00* | | *102* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *55.4* | | *ug/L* | *50.00* | | *111* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *54.1* | | *ug/L* | *50.00* | | *108* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.7* | | *ug/L* | *50.00* | | *99.4* | *75-124* | | | |
| **LCS Dup (1148039-BSD1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.2 | | ug/L | 20.00 | | 101 | 80-123 | 1.47 | 11 | |
| 1,1,1-Trichloroethane | 21.8 | | ug/L | 20.00 | | 109 | 75-135 | 6.49 | 11 | |
| 1,1,2,2-Tetrachloroethane | 20.6 | | ug/L | 20.00 | | 103 | 76-133 | 0.0972 | 14 | |
| 1,1,2-Trichloroethane | 20.2 | | ug/L | 20.00 | | 101 | 80-124 | 1.48 | 12 | |
| 1,1-Dichloroethane | 25.1 | | ug/L | 20.00 | | 125 | 74-136 | 1.54 | 12 | |
| 1,1-Dichloroethene | 26.4 | | ug/L | 20.00 | | 132 | 61-154 | 4.99 | 14 | |
| 1,1-Dichloropropene | 21.7 | | ug/L | 20.00 | | 109 | 78-135 | 4.94 | 11 | |
| 1,2-Dibromoethane | 19.7 | | ug/L | 20.00 | | 98.6 | 76-125 | 1.76 | 43 | |
| 1,2-Dichloroethane | 24.2 | | ug/L | 20.00 | | 121 | 74-130 | 1.64 | 10 | |
| 1,2-Dichloropropane | 23.6 | | ug/L | 20.00 | | 118 | 78-126 | 1.31 | 10 | |
| 1,3-Dichloropropane | 21.1 | | ug/L | 20.00 | | 106 | 80-127 | 0.522 | 11 | |
| 2,2-Dichloropropane | 28.2 | | ug/L | 20.00 | | 141 | 49-183 | 4.20 | 13 | |
| 2-Butanone | 100 | | ug/L | 80.00 | | 125 | 53-157 | 6.97 | 18 | L |
| 2-Chlorotoluene | 22.3 | | ug/L | 20.00 | | 111 | 75-132 | 4.78 | 43 | |
| 2-Hexanone | 88.7 | | ug/L | 80.00 | | 111 | 64-147 | 4.63 | 18 | L |
| 4-Chlorotoluene | 20.5 | | ug/L | 20.00 | | 103 | 80-125 | 2.84 | 11 | |
| 4-Methyl-2-pentanone | 68.2 | | ug/L | 80.00 | | 85.3 | 74-133 | 2.93 | 17 | L |
| Acetone | 108 | | ug/L | 80.00 | | 135 | 35-191 | 7.75 | 23 | L |
| Acetonitrile | 209 | | ug/L | 199.7 | | 105 | 45-166 | 0.153 | 48 | |
| Acrylonitrile | 21.9 | | ug/L | 24.00 | | 91.4 | 64-137 | 0.732 | 18 | |
| Allyl chloride | 23.5 | | ug/L | 19.93 | | 118 | 60-150 | 5.83 | 16 | |
| Benzene | 22.2 | | ug/L | 20.00 | | 111 | 81-128 | 4.19 | 10 | |
| Bromobenzene | 20.0 | | ug/L | 20.00 | | 100 | 83-122 | 2.76 | 11 | |
| Bromochloromethane | 22.3 | | ug/L | 20.00 | | 112 | 81-127 | 0.803 | 10 | |
| Bromodichloromethane | 22.0 | | ug/L | 20.00 | | 110 | 79-123 | 3.62 | 10 | |
| Bromoform | 18.6 | | ug/L | 20.00 | | 93.0 | 59-130 | 0.696 | 17 | |
| Bromomethane | 27.7 | | ug/L | 20.00 | | 138 | 68-148 | 11.3 | 17 | |
| Carbon Disulfide | 126 | | ug/L | 80.00 | | 158 | 44-162 | 5.93 | 17 | L |
| Carbon Tetrachloride | 22.9 | | ug/L | 20.00 | | 114 | 64-132 | 5.07 | 12 | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148039 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1148039-BSD1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Chlorobenzene | 21.3 | | ug/L | 20.00 | | 106 | 82-122 | 3.74 | 10 | |
| Chloroethane | 18.7 | | ug/L | 20.00 | | 93.5 | 48-150 | 3.83 | 33 | |
| Chloroform | 23.0 | | ug/L | 20.00 | | 115 | 74-132 | 1.17 | 10 | |
| Chloromethane | 25.0 | | ug/L | 20.00 | | 125 | 50-166 | 8.15 | 18 | |
| cis-1,2-Dichloroethene | 25.2 | | ug/L | 20.00 | | 126 | 77-134 | 1.96 | 11 | |
| cis-1,3-Dichloropropene | 23.0 | | ug/L | 20.00 | | 115 | 77-127 | 2.88 | 12 | |
| Dibromochloromethane | 19.9 | | ug/L | 20.00 | | 99.6 | 69-123 | 1.64 | 14 | |
| Dibromomethane | 20.2 | | ug/L | 20.00 | | 101 | 82-127 | 1.48 | 11 | |
| Dichlorodifluoromethane | 26.1 | | ug/L | 20.00 | | 130 | 41-145 | 8.31 | 21 | |
| Ethylbenzene | 21.9 | | ug/L | 20.00 | | 110 | 82-126 | 5.11 | 11 | |
| Iodomethane | 113 | | ug/L | 80.00 | | 142 | 50-144 | 3.89 | 14 | L |
| Methylene Chloride | 22.3 | | ug/L | 20.00 | | 111 | 69-137 | 2.75 | 12 | |
| Methyl tert-Butyl Ether | 21.8 | | ug/L | 20.00 | | 109 | 73-127 | 0.874 | 11 | |
| m,p-Xylene | 43.8 | | ug/L | 40.00 | | 109 | 82-131 | 3.70 | 11 | |
| n-Butylbenzene | 22.2 | | ug/L | 20.00 | | 111 | 64-147 | 5.12 | 10 | |
| [illegible]ane | 24.6 | | ug/L | 20.00 | | 123 | 41-166 | 7.67 | 17 | |
| [illegible]e | 21.0 | | ug/L | 20.00 | | 105 | 80-126 | 2.82 | 12 | |
| Styrene | 20.4 | | ug/L | 20.00 | | 102 | 80-127 | 2.71 | 40 | |
| Tetrachloroethene | 13.2 | | ug/L | 20.00 | | 65.8 | 43-152 | 5.86 | 26 | |
| Toluene | 22.3 | | ug/L | 20.00 | | 111 | 84-129 | 3.57 | 11 | |
| trans-1,2-Dichloroethene | 22.9 | | ug/L | 20.00 | | 114 | 73-132 | 5.36 | 11 | |
| trans-1,3-Dichloropropene | 24.4 | | ug/L | 20.00 | | 122 | 80-131 | 1.58 | 12 | |
| Trichloroethene | 20.5 | | ug/L | 20.00 | | 102 | 79-129 | 3.93 | 12 | |
| Trichlorofluoromethane | 21.0 | | ug/L | 20.00 | | 105 | 64-163 | 11.1 | 16 | |
| Vinyl Chloride | 25.2 | | ug/L | 20.00 | | 126 | 61-157 | 7.48 | 17 | |
| Vinyl acetate | 121 | | ug/L | 80.00 | | 151 | 36-205 | 0.157 | 27 | L |
| *Surrogate: 4-Bromofluorobenzene* | *51.3* | | *ug/L* | *50.00* | | *103* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *56.4* | | *ug/L* | *50.00* | | *113* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *53.8* | | *ug/L* | *50.00* | | *108* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.7* | | *ug/L* | *50.00* | | *101* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149071 - VOC PREP** | | | | | | | | | | |
| **Blank (1149071-BLK1)** | | | | Prepared & Analyzed: 11/23/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dibromoethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 1,3-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2-Butanone | BDL | 20.0 | ug/L | | | | | | | |
| 2-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 2-Hexanone | BDL | 20.0 | ug/L | | | | | | | |
| 4-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone | BDL | 20.0 | ug/L | | | | | | | |
| Acetone | BDL | 20.0 | ug/L | | | | | | | |
| Acetonitrile | BDL | 40.0 | ug/L | | | | | | | |
| Acrolein | BDL | 20.0 | ug/L | | | | | | | |
| Acrylonitrile | BDL | 20.0 | ug/L | | | | | | | |
| Allyl chloride | BDL | 5.00 | ug/L | | | | | | | |
| Benzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromodichloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromoform | BDL | 5.00 | ug/L | | | | | | | |
| Bromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Carbon Disulfide | BDL | 20.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | BDL | 5.00 | ug/L | | | | | | | |
| Chlorobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Chloroethane | BDL | 5.00 | ug/L | | | | | | | |
| Chloroform | BDL | 5.00 | ug/L | | | | | | | |
| Chloromethane | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Dibromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Dibromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Dichlorodifluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Ethylbenzene | BDL | 5.00 | ug/L | | | | | | | |
| Iodomethane | BDL | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | BDL | 5.00 | ug/L | | | | | | | |
| Methyl tert-Butyl Ether | BDL | 10.0 | ug/L | | | | | | | |
| m,p-Xylene | BDL | 10.0 | ug/L | | | | | | | |
| n-Hexane | BDL | 5.00 | ug/L | | | | | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149071 - VOC PREP** | | | | | | | | | | |
| **Blank (1149071-BLK1)** | | | | Prepared & Analyzed: 11/23/11 | | | | | | |
| o-Xylene | BDL | 5.00 | ug/L | | | | | | | |
| Styrene | BDL | 5.00 | ug/L | | | | | | | |
| Tetrachloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Toluene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Trichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Trichlorofluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Vinyl Chloride | BDL | 1.00 | ug/L | | | | | | | |
| Vinyl acetate | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *55.4* | | *ug/L* | *50.00* | | *111* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *56.5* | | *ug/L* | *50.00* | | *113* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *58.9* | | *ug/L* | *50.00* | | *118* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *54.6* | | *ug/L* | *50.00* | | *109* | *75-124* | | | |
| **LCS (1149071-BS1)** | | | | Prepared & Analyzed: 11/23/11 | | | | | | |
| Tetrachloroethane | 21.2 | | ug/L | 20.00 | | 106 | 80-123 | | | |
| 1,1,2-Trichloroethane | 21.0 | | ug/L | 20.00 | | 105 | 75-135 | | | |
| 1,1,2,2-Tetrachloroethane | 20.8 | | ug/L | 20.00 | | 104 | 76-133 | | | |
| 1,1,2-Trichloroethane | 20.2 | | ug/L | 20.00 | | 101 | 80-124 | | | |
| 1,1-Dichloroethane | 21.2 | | ug/L | 20.00 | | 106 | 74-136 | | | |
| 1,1-Dichloroethene | 21.7 | | ug/L | 20.00 | | 109 | 61-154 | | | |
| 1,1-Dichloropropene | 21.7 | | ug/L | 20.00 | | 108 | 78-135 | | | |
| 1,2-Dibromoethane | 21.8 | | ug/L | 20.00 | | 109 | 76-125 | | | |
| 1,2-Dichloroethane | 21.0 | | ug/L | 20.00 | | 105 | 74-130 | | | |
| 1,2-Dichloropropane | 21.1 | | ug/L | 20.00 | | 106 | 78-126 | | | |
| 1,3-Dichloropropane | 20.7 | | ug/L | 20.00 | | 104 | 80-127 | | | |
| 2,2-Dichloropropane | 22.0 | | ug/L | 20.00 | | 110 | 49-183 | | | |
| 2-Butanone | 87.4 | | ug/L | 80.00 | | 109 | 53-157 | | | |
| 2-Chlorotoluene | 21.5 | | ug/L | 20.00 | | 107 | 75-132 | | | |
| 2-Hexanone | 80.2 | | ug/L | 80.00 | | 100 | 64-147 | | | |
| 4-Chlorotoluene | 22.4 | | ug/L | 20.00 | | 112 | 80-125 | | | |
| 4-Methyl-2-pentanone | 78.9 | | ug/L | 80.00 | | 98.6 | 74-133 | | | |
| Acetone | 109 | | ug/L | 80.00 | | 136 | 35-191 | | | |
| Acetonitrile | 201 | | ug/L | 199.7 | | 100 | 45-166 | | | |
| Acrylonitrile | 20.6 | | ug/L | 24.00 | | 85.9 | 64-137 | | | |
| Allyl chloride | 21.1 | | ug/L | 19.93 | | 106 | 60-150 | | | |
| Benzene | 22.5 | | ug/L | 20.00 | | 112 | 81-128 | | | |
| Bromobenzene | 22.2 | | ug/L | 20.00 | | 111 | 83-122 | | | |
| Bromochloromethane | 22.4 | | ug/L | 20.00 | | 112 | 81-127 | | | |
| Bromodichloromethane | 20.7 | | ug/L | 20.00 | | 104 | 79-123 | | | |
| Bromoform | 20.2 | | ug/L | 20.00 | | 101 | 59-130 | | | |
| Bromomethane | 23.7 | | ug/L | 20.00 | | 118 | 68-148 | | | |
| Carbon Disulfide | 153 | | ug/L | 80.00 | | 192 | 44-162 | | | L |
| Carbon Tetrachloride | 21.0 | | ug/L | 20.00 | | 105 | 64-132 | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149071 - VOC PREP** | | | | | | | | | | |
| **LCS (1149071-BS1)** | | | | Prepared & Analyzed: 11/23/11 | | | | | | |
| Chlorobenzene | 22.9 | | ug/L | 20.00 | | 115 | 82-122 | | | |
| Chloroethane | 17.5 | | ug/L | 20.00 | | 87.4 | 48-150 | | | |
| Chloroform | 21.0 | | ug/L | 20.00 | | 105 | 74-132 | | | |
| Chloromethane | 19.5 | | ug/L | 20.00 | | 97.4 | 50-166 | | | |
| cis-1,2-Dichloroethene | 21.3 | | ug/L | 20.00 | | 107 | 77-134 | | | |
| cis-1,3-Dichloropropene | 21.8 | | ug/L | 20.00 | | 109 | 77-127 | | | |
| Dibromochloromethane | 20.2 | | ug/L | 20.00 | | 101 | 69-123 | | | |
| Dibromomethane | 20.6 | | ug/L | 20.00 | | 103 | 82-127 | | | |
| Dichlorodifluoromethane | 22.5 | | ug/L | 20.00 | | 112 | 41-145 | | | |
| Ethylbenzene | 22.7 | | ug/L | 20.00 | | 113 | 82-126 | | | |
| Iodomethane | 96.8 | | ug/L | 80.00 | | 121 | 50-144 | | | |
| Methylene Chloride | 22.2 | | ug/L | 20.00 | | 111 | 69-137 | | | |
| Methyl tert-Butyl Ether | 20.9 | | ug/L | 20.00 | | 105 | 73-127 | | | |
| m,p-Xylene | 46.8 | | ug/L | 40.00 | | 117 | 82-131 | | | |
| n-Hexane | 18.6 | | ug/L | 20.00 | | 92.8 | 41-166 | | | |
| o-Xylene | 23.3 | | ug/L | 20.00 | | 117 | 80-126 | | | |
| Styrene | 23.3 | | ug/L | 20.00 | | 116 | 80-127 | | | |
| Tetrachloroethene | 24.2 | | ug/L | 20.00 | | 121 | 43-152 | | | |
| Toluene | 23.2 | | ug/L | 20.00 | | 116 | 84-129 | | | |
| trans-1,2-Dichloroethene | 25.1 | | ug/L | 20.00 | | 125 | 73-132 | | | |
| trans-1,3-Dichloropropene | 21.4 | | ug/L | 20.00 | | 107 | 80-131 | | | |
| Trichloroethene | 22.9 | | ug/L | 20.00 | | 115 | 79-129 | | | |
| Trichlorofluoromethane | 18.0 | | ug/L | 20.00 | | 89.8 | 64-163 | | | |
| Vinyl Chloride | 20.1 | | ug/L | 20.00 | | 100 | 61-157 | | | |
| Vinyl acetate | 84.3 | | ug/L | 80.00 | | 105 | 36-205 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *55.9* | | *ug/L* | *50.00* | | *112* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *57.2* | | *ug/L* | *50.00* | | *114* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *58.8* | | *ug/L* | *50.00* | | *118* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *56.7* | | *ug/L* | *50.00* | | *113* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149071 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1149071-BSD1)** | | | | Prepared & Analyzed: 11/23/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.4 | | ug/L | 20.00 | | 102 | 80-123 | 4.33 | 11 | |
| 1,1,1-Trichloroethane | 19.9 | | ug/L | 20.00 | | 99.5 | 75-135 | 5.43 | 11 | |
| 1,1,2,2-Tetrachloroethane | 19.4 | | ug/L | 20.00 | | 97.0 | 76-133 | 6.72 | 14 | |
| 1,1,2-Trichloroethane | 19.5 | | ug/L | 20.00 | | 97.4 | 80-124 | 3.78 | 12 | |
| 1,1-Dichloroethane | 20.0 | | ug/L | 20.00 | | 99.8 | 74-136 | 6.12 | 12 | |
| 1,1-Dichloroethene | 20.5 | | ug/L | 20.00 | | 103 | 61-154 | 5.68 | 14 | |
| 1,1-Dichloropropene | 20.4 | | ug/L | 20.00 | | 102 | 78-135 | 6.03 | 11 | |
| 1,2-Dibromoethane | 21.3 | | ug/L | 20.00 | | 107 | 76-125 | 2.00 | 43 | |
| 1,2-Dichloroethane | 20.3 | | ug/L | 20.00 | | 102 | 74-130 | 3.00 | 10 | |
| 1,2-Dichloropropane | 20.2 | | ug/L | 20.00 | | 101 | 78-126 | 4.25 | 10 | |
| 1,3-Dichloropropane | 19.9 | | ug/L | 20.00 | | 99.6 | 80-127 | 3.89 | 11 | |
| 2,2-Dichloropropane | 20.7 | | ug/L | 20.00 | | 103 | 49-183 | 6.05 | 13 | |
| 2-Butanone | 81.6 | | ug/L | 80.00 | | 102 | 53-157 | 6.84 | 18 | |
| 2-Chlorotoluene | 20.2 | | ug/L | 20.00 | | 101 | 75-132 | 5.95 | 43 | |
| 2-Hexanone | 77.9 | | ug/L | 80.00 | | 97.4 | 64-147 | 2.91 | 18 | |
| [illegible]orotoluene | 21.1 | | ug/L | 20.00 | | 106 | 80-125 | 5.70 | 11 | |
| [illegible]yl-2-pentanone | 77.4 | | ug/L | 80.00 | | 96.8 | 74-133 | 1.83 | 17 | |
| Acetone | 103 | | ug/L | 80.00 | | 129 | 35-191 | 5.20 | 23 | |
| Acetonitrile | 184 | | ug/L | 199.7 | | 91.9 | 45-166 | 8.94 | 48 | |
| Acrylonitrile | 19.3 | | ug/L | 24.00 | | 80.6 | 64-137 | 6.36 | 18 | |
| Allyl chloride | 20.0 | | ug/L | 19.93 | | 100 | 60-150 | 5.40 | 16 | |
| Benzene | 21.2 | | ug/L | 20.00 | | 106 | 81-128 | 5.81 | 10 | |
| Bromobenzene | 21.2 | | ug/L | 20.00 | | 106 | 83-122 | 4.38 | 11 | |
| Bromochloromethane | 21.8 | | ug/L | 20.00 | | 109 | 81-127 | 2.72 | 10 | |
| Bromodichloromethane | 19.8 | | ug/L | 20.00 | | 99.1 | 79-123 | 4.54 | 10 | |
| Bromoform | 17.7 | | ug/L | 20.00 | | 88.6 | 59-130 | 13.0 | 17 | |
| Bromomethane | 23.0 | | ug/L | 20.00 | | 115 | 68-148 | 2.74 | 17 | |
| Carbon Disulfide | 143 | | ug/L | 80.00 | | 178 | 44-162 | 7.19 | 17 | L |
| Carbon Tetrachloride | 19.7 | | ug/L | 20.00 | | 98.3 | 64-132 | 6.45 | 12 | |
| Chlorobenzene | 21.8 | | ug/L | 20.00 | | 109 | 82-122 | 5.23 | 10 | |
| Chloroethane | 17.2 | | ug/L | 20.00 | | 86.1 | 48-150 | 1.44 | 33 | |
| Chloroform | 20.0 | | ug/L | 20.00 | | 100 | 74-132 | 4.64 | 10 | |
| Chloromethane | 18.2 | | ug/L | 20.00 | | 91.0 | 50-166 | 6.74 | 18 | |
| cis-1,2-Dichloroethene | 20.4 | | ug/L | 20.00 | | 102 | 77-134 | 4.60 | 11 | |
| cis-1,3-Dichloropropene | 20.5 | | ug/L | 20.00 | | 103 | 77-127 | 6.00 | 12 | |
| Dibromochloromethane | 19.1 | | ug/L | 20.00 | | 95.5 | 69-123 | 5.40 | 14 | |
| Dibromomethane | 20.2 | | ug/L | 20.00 | | 101 | 82-127 | 1.86 | 11 | |
| Dichlorodifluoromethane | 21.3 | | ug/L | 20.00 | | 106 | 41-145 | 5.35 | 21 | |
| Ethylbenzene | 21.7 | | ug/L | 20.00 | | 109 | 82-126 | 4.23 | 11 | |
| Iodomethane | 92.1 | | ug/L | 80.00 | | 115 | 50-144 | 5.05 | 14 | |
| Methylene Chloride | 21.4 | | ug/L | 20.00 | | 107 | 69-137 | 3.58 | 12 | |
| Methyl tert-Butyl Ether | 20.4 | | ug/L | 20.00 | | 102 | 73-127 | 2.47 | 11 | |
| m,p-Xylene | 44.2 | | ug/L | 40.00 | | 111 | 82-131 | 5.71 | 11 | |
| [illegible]e | 17.6 | | ug/L | 20.00 | | 88.1 | 41-166 | 5.14 | 17 | |
| o-[illegible]ne | 22.2 | | ug/L | 20.00 | | 111 | 80-126 | 5.23 | 12 | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149071 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1149071-BSD1)** | | | | Prepared & Analyzed: 11/23/11 | | | | | | |
| Styrene | 22.0 | | ug/L | 20.00 | | 110 | 80-127 | 5.56 | 40 | |
| Tetrachloroethene | 24.6 | | ug/L | 20.00 | | 123 | 43-152 | 1.72 | 26 | |
| Toluene | 22.0 | | ug/L | 20.00 | | 110 | 84-129 | 5.26 | 11 | |
| trans-1,2-Dichloroethene | 23.8 | | ug/L | 20.00 | | 119 | 73-132 | 5.28 | 11 | |
| trans-1,3-Dichloropropene | 20.6 | | ug/L | 20.00 | | 103 | 80-131 | 3.99 | 12 | |
| Trichloroethene | 21.8 | | ug/L | 20.00 | | 109 | 79-129 | 5.23 | 12 | |
| Trichlorofluoromethane | 17.1 | | ug/L | 20.00 | | 85.4 | 64-163 | 4.96 | 16 | |
| Vinyl Chloride | 19.5 | | ug/L | 20.00 | | 97.6 | 61-157 | 2.83 | 17 | |
| Vinyl acetate | 78.7 | | ug/L | 80.00 | | 98.4 | 36-205 | 6.77 | 27 | |
| *Surrogate: 4-Bromofluorobenzene* | *55.9* | | *ug/L* | *50.00* | | *112* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *57.0* | | *ug/L* | *50.00* | | *114* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *58.4* | | *ug/L* | *50.00* | | *117* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *56.8* | | *ug/L* | *50.00* | | *114* | *75-124* | | | |
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **Blank (1149088-BLK1)** | | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dibromoethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 1,3-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2-Butanone | BDL | 20.0 | ug/L | | | | | | | |
| 2-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 2-Hexanone | BDL | 20.0 | ug/L | | | | | | | |
| 4-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone | BDL | 20.0 | ug/L | | | | | | | |
| Acetone | BDL | 20.0 | ug/L | | | | | | | |
| Acetonitrile | BDL | 40.0 | ug/L | | | | | | | |
| Acrolein | BDL | 20.0 | ug/L | | | | | | | |
| Acrylonitrile | BDL | 20.0 | ug/L | | | | | | | |
| Allyl chloride | BDL | 5.00 | ug/L | | | | | | | |
| Benzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromodichloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromoform | BDL | 5.00 | ug/L | | | | | | | |
| Bromomethane | BDL | 5.00 | ug/L | | | | | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **Blank (1149088-BLK1)** | | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| Carbon Disulfide | BDL | 20.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | BDL | 5.00 | ug/L | | | | | | | |
| Chlorobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Chloroethane | BDL | 5.00 | ug/L | | | | | | | |
| Chloroform | BDL | 5.00 | ug/L | | | | | | | |
| Chloromethane | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Dibromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Dibromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Dichlorodifluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Ethylbenzene | BDL | 5.00 | ug/L | | | | | | | |
| Iodomethane | BDL | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | BDL | 5.00 | ug/L | | | | | | | |
| Methyl tert-Butyl Ether | BDL | 10.0 | ug/L | | | | | | | |
| r Xylene | BDL | 10.0 | ug/L | | | | | | | |
| ne | BDL | 5.00 | ug/L | | | | | | | |
| o-Xylene | BDL | 5.00 | ug/L | | | | | | | |
| Styrene | BDL | 5.00 | ug/L | | | | | | | |
| Tetrachloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Toluene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Trichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Trichlorofluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Vinyl Chloride | BDL | 1.00 | ug/L | | | | | | | |
| Vinyl acetate | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *57.0* | | *ug/L* | *50.00* | | *114* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *59.0* | | *ug/L* | *50.00* | | *118* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *60.2* | | *ug/L* | *50.00* | | *120* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *58.3* | | *ug/L* | *50.00* | | *117* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **LCS (1149088-BS1)** | | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 22.3 | | ug/L | 20.00 | | 111 | 80-123 | | | |
| 1,1,1-Trichloroethane | 21.6 | | ug/L | 20.00 | | 108 | 75-135 | | | |
| 1,1,2,2-Tetrachloroethane | 22.4 | | ug/L | 20.00 | | 112 | 76-133 | | | |
| 1,1,2-Trichloroethane | 21.5 | | ug/L | 20.00 | | 108 | 80-124 | | | |
| 1,1-Dichloroethane | 20.8 | | ug/L | 20.00 | | 104 | 74-136 | | | |
| 1,1-Dichloroethene | 18.6 | | ug/L | 20.00 | | 92.8 | 61-154 | | | |
| 1,1-Dichloropropene | 21.7 | | ug/L | 20.00 | | 108 | 78-135 | | | |
| 1,2-Dibromoethane | 22.4 | | ug/L | 20.00 | | 112 | 76-125 | | | |
| 1,2-Dichloroethane | 21.4 | | ug/L | 20.00 | | 107 | 74-130 | | | |
| 1,2-Dichloropropane | 21.7 | | ug/L | 20.00 | | 109 | 78-126 | | | |
| 1,3-Dichloropropane | 22.2 | | ug/L | 20.00 | | 111 | 80-127 | | | |
| 2,2-Dichloropropane | 22.8 | | ug/L | 20.00 | | 114 | 49-183 | | | |
| 2-Butanone | 93.6 | | ug/L | 80.00 | | 117 | 53-157 | | | |
| 2-Chlorotoluene | 22.8 | | ug/L | 20.00 | | 114 | 75-132 | | | |
| 2-Hexanone | 89.8 | | ug/L | 80.00 | | 112 | 64-147 | | | |
| 4-Chlorotoluene | 24.0 | | ug/L | 20.00 | | 120 | 80-125 | | | |
| 4-Methyl-2-pentanone | 86.2 | | ug/L | 80.00 | | 108 | 74-133 | | | |
| Acetone | 123 | | ug/L | 80.00 | | 154 | 35-191 | | | |
| Acetonitrile | 195 | | ug/L | 199.7 | | 97.8 | 45-166 | | | |
| Acrylonitrile | 20.7 | | ug/L | 24.00 | | 86.2 | 64-137 | | | |
| Allyl chloride | 20.4 | | ug/L | 19.93 | | 103 | 60-150 | | | |
| Benzene | 22.4 | | ug/L | 20.00 | | 112 | 81-128 | | | |
| Bromobenzene | 23.4 | | ug/L | 20.00 | | 117 | 83-122 | | | |
| Bromochloromethane | 22.8 | | ug/L | 20.00 | | 114 | 81-127 | | | |
| Bromodichloromethane | 22.0 | | ug/L | 20.00 | | 110 | 79-123 | | | |
| Bromoform | 24.0 | | ug/L | 20.00 | | 120 | 59-130 | | | |
| Bromomethane | 24.2 | | ug/L | 20.00 | | 121 | 68-148 | | | |
| Carbon Disulfide | 117 | | ug/L | 80.00 | | 146 | 44-162 | | | |
| Carbon Tetrachloride | 21.7 | | ug/L | 20.00 | | 108 | 64-132 | | | |
| Chlorobenzene | 23.8 | | ug/L | 20.00 | | 119 | 82-122 | | | |
| Chloroethane | 18.0 | | ug/L | 20.00 | | 90.0 | 48-150 | | | |
| Chloroform | 21.6 | | ug/L | 20.00 | | 108 | 74-132 | | | |
| Chloromethane | 19.1 | | ug/L | 20.00 | | 95.4 | 50-166 | | | |
| cis-1,2-Dichloroethene | 21.6 | | ug/L | 20.00 | | 108 | 77-134 | | | |
| cis-1,3-Dichloropropene | 22.7 | | ug/L | 20.00 | | 113 | 77-127 | | | |
| Dibromochloromethane | 21.6 | | ug/L | 20.00 | | 108 | 69-123 | | | |
| Dibromomethane | 21.3 | | ug/L | 20.00 | | 107 | 82-127 | | | |
| Dichlorodifluoromethane | 19.6 | | ug/L | 20.00 | | 97.9 | 41-145 | | | |
| Ethylbenzene | 23.8 | | ug/L | 20.00 | | 119 | 82-126 | | | |
| Iodomethane | 85.6 | | ug/L | 80.00 | | 107 | 50-144 | | | |
| Methylene Chloride | 21.4 | | ug/L | 20.00 | | 107 | 69-137 | | | |
| Methyl tert-Butyl Ether | 21.2 | | ug/L | 20.00 | | 106 | 73-127 | | | |
| m,p-Xylene | 48.7 | | ug/L | 40.00 | | 122 | 82-131 | | | |
| n-Hexane | 16.1 | | ug/L | 20.00 | | 80.7 | 41-166 | | | |
| o-Xylene | 24.2 | | ug/L | 20.00 | | 121 | 80-126 | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **LCS (1149088-BS1)** | | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| Styrene | 24.2 | | ug/L | 20.00 | | 121 | 80-127 | | | |
| Tetrachloroethene | 22.9 | | ug/L | 20.00 | | 114 | 43-152 | | | |
| Toluene | 24.2 | | ug/L | 20.00 | | 121 | 84-129 | | | |
| trans-1,2-Dichloroethene | 24.3 | | ug/L | 20.00 | | 121 | 73-132 | | | |
| trans-1,3-Dichloropropene | 23.4 | | ug/L | 20.00 | | 117 | 80-131 | | | |
| Trichloroethene | 23.9 | | ug/L | 20.00 | | 120 | 79-129 | | | |
| Trichlorofluoromethane | 19.0 | | ug/L | 20.00 | | 94.8 | 64-163 | | | |
| Vinyl Chloride | 20.7 | | ug/L | 20.00 | | 104 | 61-157 | | | |
| Vinyl acetate | 89.9 | | ug/L | 80.00 | | 112 | 36-205 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *58.7* | | *ug/L* | *50.00* | | *117* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *59.0* | | *ug/L* | *50.00* | | *118* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *60.5* | | *ug/L* | *50.00* | | *121* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *57.9* | | *ug/L* | *50.00* | | *116* | *75-124* | | | |
| **LCS Dup (1149088-BSD1)** | | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 21.2 | | ug/L | 20.00 | | 106 | 80-123 | 5.07 | 11 | |
| ichloroethane | 20.5 | | ug/L | 20.00 | | 102 | 75-135 | 5.37 | 11 | |
| ,-Tetrachloroethane | 20.8 | | ug/L | 20.00 | | 104 | 76-133 | 7.14 | 14 | |
| 1,1,2-Trichloroethane | 20.7 | | ug/L | 20.00 | | 103 | 80-124 | 3.89 | 12 | |
| 1,1-Dichloroethane | 20.0 | | ug/L | 20.00 | | 99.8 | 74-136 | 3.98 | 12 | |
| 1,1-Dichloroethene | 17.9 | | ug/L | 20.00 | | 89.6 | 61-154 | 3.62 | 14 | |
| 1,1-Dichloropropene | 20.7 | | ug/L | 20.00 | | 103 | 78-135 | 4.72 | 11 | |
| 1,2-Dibromoethane | 21.6 | | ug/L | 20.00 | | 108 | 76-125 | 3.91 | 43 | |
| 1,2-Dichloroethane | 20.7 | | ug/L | 20.00 | | 103 | 74-130 | 3.52 | 10 | |
| 1,2-Dichloropropane | 20.6 | | ug/L | 20.00 | | 103 | 78-126 | 5.44 | 10 | |
| 1,3-Dichloropropane | 21.1 | | ug/L | 20.00 | | 105 | 80-127 | 5.00 | 11 | |
| 2,2-Dichloropropane | 21.8 | | ug/L | 20.00 | | 109 | 49-183 | 4.48 | 13 | |
| 2-Butanone | 93.3 | | ug/L | 80.00 | | 117 | 53-157 | 0.342 | 18 | |
| 2-Chlorotoluene | 20.9 | | ug/L | 20.00 | | 105 | 75-132 | 8.52 | 43 | |
| 2-Hexanone | 88.8 | | ug/L | 80.00 | | 111 | 64-147 | 1.13 | 18 | |
| 4-Chlorotoluene | 22.3 | | ug/L | 20.00 | | 111 | 80-125 | 7.47 | 11 | |
| 4-Methyl-2-pentanone | 82.6 | | ug/L | 80.00 | | 103 | 74-133 | 4.34 | 17 | |
| Acetone | 124 | | ug/L | 80.00 | | 155 | 35-191 | 1.14 | 23 | |
| Acetonitrile | 191 | | ug/L | 199.7 | | 95.5 | 45-166 | 2.42 | 48 | |
| Acrylonitrile | 19.0 | | ug/L | 24.00 | | 79.4 | 64-137 | 8.21 | 18 | |
| Allyl chloride | 19.4 | | ug/L | 19.93 | | 97.1 | 60-150 | 5.48 | 16 | |
| Benzene | 21.1 | | ug/L | 20.00 | | 106 | 81-128 | 5.93 | 10 | |
| Bromobenzene | 22.0 | | ug/L | 20.00 | | 110 | 83-122 | 6.15 | 11 | |
| Bromochloromethane | 22.3 | | ug/L | 20.00 | | 112 | 81-127 | 2.00 | 10 | |
| Bromodichloromethane | 20.9 | | ug/L | 20.00 | | 104 | 79-123 | 4.95 | 10 | |
| Bromoform | 22.5 | | ug/L | 20.00 | | 112 | 59-130 | 6.46 | 17 | |
| Bromomethane | 23.4 | | ug/L | 20.00 | | 117 | 68-148 | 3.28 | 17 | |
| Carbon Disulfide | 112 | | ug/L | 80.00 | | 139 | 44-162 | 4.69 | 17 | |
| C Tetrachloride | 20.6 | | ug/L | 20.00 | | 103 | 64-132 | 5.15 | 12 | |
| C nzene | 22.7 | | ug/L | 20.00 | | 113 | 82-122 | 4.78 | 10 | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1149088-BSD1)** | | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| Chloroethane | 17.5 | | ug/L | 20.00 | | 87.3 | 48-150 | 2.99 | 33 | |
| Chloroform | 20.7 | | ug/L | 20.00 | | 104 | 74-132 | 4.02 | 10 | |
| Chloromethane | 18.3 | | ug/L | 20.00 | | 91.4 | 50-166 | 4.28 | 18 | |
| cis-1,2-Dichloroethene | 20.8 | | ug/L | 20.00 | | 104 | 77-134 | 3.72 | 11 | |
| cis-1,3-Dichloropropene | 21.7 | | ug/L | 20.00 | | 108 | 77-127 | 4.47 | 12 | |
| Dibromochloromethane | 20.7 | | ug/L | 20.00 | | 103 | 69-123 | 4.59 | 14 | |
| Dibromomethane | 20.3 | | ug/L | 20.00 | | 102 | 82-127 | 4.80 | 11 | |
| Dichlorodifluoromethane | 19.1 | | ug/L | 20.00 | | 95.3 | 41-145 | 2.69 | 21 | |
| Ethylbenzene | 22.4 | | ug/L | 20.00 | | 112 | 82-126 | 5.88 | 11 | |
| Iodomethane | 81.2 | | ug/L | 80.00 | | 102 | 50-144 | 5.18 | 14 | |
| Methylene Chloride | 20.9 | | ug/L | 20.00 | | 105 | 69-137 | 2.08 | 12 | |
| Methyl tert-Butyl Ether | 20.8 | | ug/L | 20.00 | | 104 | 73-127 | 1.43 | 11 | |
| m,p-Xylene | 45.9 | | ug/L | 40.00 | | 115 | 82-131 | 5.75 | 11 | |
| n-Hexane | 15.9 | | ug/L | 20.00 | | 79.3 | 41-166 | 1.75 | 17 | |
| o-Xylene | 22.7 | | ug/L | 20.00 | | 113 | 80-126 | 6.28 | 12 | |
| Styrene | 22.9 | | ug/L | 20.00 | | 114 | 80-127 | 5.86 | 40 | |
| Tetrachloroethene | 23.0 | | ug/L | 20.00 | | 115 | 43-152 | 0.610 | 26 | |
| Toluene | 23.0 | | ug/L | 20.00 | | 115 | 84-129 | 5.00 | 11 | |
| trans-1,2-Dichloroethene | 23.0 | | ug/L | 20.00 | | 115 | 73-132 | 5.50 | 11 | |
| trans-1,3-Dichloropropene | 22.2 | | ug/L | 20.00 | | 111 | 80-131 | 5.39 | 12 | |
| Trichloroethene | 22.8 | | ug/L | 20.00 | | 114 | 79-129 | 5.01 | 12 | |
| Trichlorofluoromethane | 18.0 | | ug/L | 20.00 | | 90.2 | 64-163 | 5.03 | 16 | |
| Vinyl Chloride | 19.7 | | ug/L | 20.00 | | 98.4 | 61-157 | 5.00 | 17 | |
| Vinyl acetate | 86.7 | | ug/L | 80.00 | | 108 | 36-205 | 3.68 | 27 | |
| *Surrogate: 4-Bromofluorobenzene* | *58.1* | | *ug/L* | *50.00* | | *116* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *58.9* | | *ug/L* | *50.00* | | *118* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *60.0* | | *ug/L* | *50.00* | | *120* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *59.8* | | *ug/L* | *50.00* | | *120* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **Matrix Spike (1149088-MS1)** | **Source: 11K0913-05** | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.7 | | ug/L | 20.00 | ND | 104 | 58-127 | | | |
| 1,1,1-Trichloroethane | 23.1 | | ug/L | 20.00 | ND | 116 | 52-148 | | | |
| 1,1,2,2-Tetrachloroethane | 21.8 | | ug/L | 20.00 | ND | 109 | 54-138 | | | |
| 1,1,2-Trichloroethane | 21.4 | | ug/L | 20.00 | ND | 107 | 56-130 | | | |
| 1,1-Dichloroethane | 24.6 | | ug/L | 20.00 | ND | 123 | 57-141 | | | |
| 1,1-Dichloroethene | 28.5 | | ug/L | 20.00 | ND | 143 | 70-136 | | | M |
| 1,1-Dichloropropene | 24.2 | | ug/L | 20.00 | ND | 121 | 66-139 | | | |
| 1,2-Dibromoethane | 21.6 | | ug/L | 20.00 | ND | 108 | 50-129 | | | |
| 1,2-Dichloroethane | 21.9 | | ug/L | 20.00 | ND | 109 | 40-151 | | | |
| 1,2-Dichloropropane | 22.3 | | ug/L | 20.00 | ND | 111 | 53-138 | | | |
| 1,3-Dichloropropane | 21.7 | | ug/L | 20.00 | ND | 109 | 61-136 | | | |
| 2,2-Dichloropropane | 24.4 | | ug/L | 20.00 | ND | 122 | 10-193 | | | |
| 2-Butanone | 44.5 | | ug/L | 80.00 | ND | 55.7 | 26-144 | | | |
| 2-Chlorotoluene | 21.1 | | ug/L | 20.00 | ND | 105 | 58-132 | | | |
| 2-Hexanone | 41.9 | | ug/L | 80.00 | ND | 52.3 | 42-172 | | | |
| 4-Chlorotoluene | 21.9 | | ug/L | 20.00 | ND | 109 | 69-127 | | | |
| yl-2-pentanone | 42.4 | | ug/L | 80.00 | ND | 53.0 | 44-143 | | | |
| Acetone | 44.5 | | ug/L | 80.00 | ND | 55.7 | 28-151 | | | |
| Acetonitrile | 92.8 | | ug/L | 199.7 | ND | 46.4 | 35-172 | | | |
| Acrylonitrile | 41.5 | | ug/L | 24.00 | ND | 173 | 10-194 | | | |
| Allyl chloride | 9.37 | | ug/L | 19.93 | ND | 47.0 | 52-138 | | | M |
| Benzene | 24.2 | | ug/L | 20.00 | ND | 121 | 61-131 | | | |
| Bromobenzene | 21.2 | | ug/L | 20.00 | ND | 106 | 61-130 | | | |
| Bromochloromethane | 24.7 | | ug/L | 20.00 | ND | 123 | 67-125 | | | |
| Bromodichloromethane | 21.4 | | ug/L | 20.00 | ND | 107 | 46-145 | | | |
| Bromoform | 21.4 | | ug/L | 20.00 | ND | 107 | 49-119 | | | |
| Bromomethane | 21.1 | | ug/L | 20.00 | ND | 105 | 10-189 | | | |
| Carbon Disulfide | 105 | | ug/L | 80.00 | ND | 131 | 39-138 | | | |
| Carbon Tetrachloride | 24.1 | | ug/L | 20.00 | ND | 121 | 52-139 | | | |
| Chlorobenzene | 22.3 | | ug/L | 20.00 | ND | 112 | 57-128 | | | |
| Chloroethane | 22.4 | | ug/L | 20.00 | ND | 112 | 55-149 | | | |
| Chloroform | 22.8 | | ug/L | 20.00 | ND | 114 | 49-151 | | | |
| Chloromethane | 22.8 | | ug/L | 20.00 | ND | 114 | 38-146 | | | |
| cis-1,2-Dichloroethene | 24.6 | | ug/L | 20.00 | 2.04 | 113 | 45-156 | | | |
| cis-1,3-Dichloropropene | 21.8 | | ug/L | 20.00 | ND | 109 | 45-130 | | | |
| Dibromochloromethane | 20.3 | | ug/L | 20.00 | ND | 102 | 62-115 | | | |
| Dibromomethane | 21.0 | | ug/L | 20.00 | ND | 105 | 60-134 | | | |
| Dichlorodifluoromethane | 23.8 | | ug/L | 20.00 | ND | 119 | 46-144 | | | |
| Ethylbenzene | 22.8 | | ug/L | 20.00 | ND | 114 | 60-128 | | | |
| Iodomethane | 56.4 | | ug/L | 80.00 | ND | 70.6 | 50-138 | | | |
| Methylene Chloride | 23.9 | | ug/L | 20.00 | ND | 120 | 31-141 | | | |
| Methyl tert-Butyl Ether | 23.4 | | ug/L | 20.00 | ND | 117 | 50-127 | | | |
| m,p-Xylene | 46.4 | | ug/L | 40.00 | ND | 116 | 55-132 | | | |
| e | 24.1 | | ug/L | 20.00 | ND | 120 | 10-226 | | | |
| ne | 22.6 | | ug/L | 20.00 | ND | 113 | 60-125 | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **Matrix Spike (1149088-MS1)** | **Source: 11K0913-05** | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| Styrene | 22.3 | | ug/L | 20.00 | ND | 111 | 10-158 | | | |
| Tetrachloroethene | 21.7 | | ug/L | 20.00 | 9.84 | 59.4 | 31-108 | | | |
| Toluene | 24.1 | | ug/L | 20.00 | ND | 120 | 56-136 | | | |
| trans-1,2-Dichloroethene | 28.9 | | ug/L | 20.00 | ND | 144 | 61-131 | | | M |
| trans-1,3-Dichloropropene | 22.4 | | ug/L | 20.00 | ND | 112 | 46-129 | | | |
| Trichloroethene | 24.2 | | ug/L | 20.00 | 1.43 | 114 | 58-131 | | | |
| Trichlorofluoromethane | 20.9 | | ug/L | 20.00 | ND | 105 | 50-166 | | | |
| Vinyl Chloride | 25.2 | | ug/L | 20.00 | ND | 126 | 50-154 | | | |
| Vinyl acetate | 48.2 | | ug/L | 80.00 | ND | 60.2 | 10-164 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *59.1* | | *ug/L* | *50.00* | | *118* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *60.8* | | *ug/L* | *50.00* | | *122* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *60.0* | | *ug/L* | *50.00* | | *120* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *61.5* | | *ug/L* | *50.00* | | *123* | *75-124* | | | |
| **Matrix Spike Dup (1149088-MSD1)** | **Source: 11K0913-05** | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.8 | | ug/L | 20.00 | ND | 104 | 58-127 | 0.529 | 26 | |
| 1,1,1-Trichloroethane | 23.3 | | ug/L | 20.00 | ND | 116 | 52-148 | 0.862 | 20 | |
| 1,1,2,2-Tetrachloroethane | 22.8 | | ug/L | 20.00 | ND | 114 | 54-138 | 4.39 | 20 | |
| 1,1,2-Trichloroethane | 21.9 | | ug/L | 20.00 | ND | 109 | 56-130 | 2.12 | 30 | |
| 1,1-Dichloroethane | 24.0 | | ug/L | 20.00 | ND | 120 | 57-141 | 2.84 | 30 | |
| 1,1-Dichloroethene | 28.0 | | ug/L | 20.00 | ND | 140 | 70-136 | 1.77 | 35 | M |
| 1,1-Dichloropropene | 23.9 | | ug/L | 20.00 | ND | 119 | 66-139 | 1.33 | 41 | |
| 1,2-Dibromoethane | 22.2 | | ug/L | 20.00 | ND | 111 | 50-129 | 2.92 | 50 | |
| 1,2-Dichloroethane | 22.3 | | ug/L | 20.00 | ND | 111 | 40-151 | 1.81 | 35 | |
| 1,2-Dichloropropane | 22.4 | | ug/L | 20.00 | ND | 112 | 53-138 | 0.448 | 30 | |
| 1,3-Dichloropropane | 22.1 | | ug/L | 20.00 | ND | 111 | 61-136 | 1.73 | 43 | |
| 2,2-Dichloropropane | 24.0 | | ug/L | 20.00 | ND | 120 | 10-193 | 1.65 | 100 | |
| 2-Butanone | 46.1 | | ug/L | 80.00 | ND | 57.6 | 26-144 | 3.38 | 40 | |
| 2-Chlorotoluene | 21.1 | | ug/L | 20.00 | ND | 106 | 58-132 | 0.190 | 40 | |
| 2-Hexanone | 44.3 | | ug/L | 80.00 | ND | 55.4 | 42-172 | 5.62 | 40 | |
| 4-Chlorotoluene | 21.6 | | ug/L | 20.00 | ND | 108 | 69-127 | 1.33 | 38 | |
| 4-Methyl-2-pentanone | 45.8 | | ug/L | 80.00 | ND | 57.3 | 44-143 | 7.73 | 34 | |
| Acetone | 46.5 | | ug/L | 80.00 | ND | 58.1 | 28-151 | 4.26 | 42 | |
| Acetonitrile | 101 | | ug/L | 199.7 | ND | 50.8 | 35-172 | 8.86 | 27 | |
| Acrylonitrile | 41.6 | | ug/L | 24.00 | ND | 173 | 10-194 | 0.385 | 43 | |
| Allyl chloride | 9.64 | | ug/L | 19.93 | ND | 48.4 | 52-138 | 2.84 | 41 | M |
| Benzene | 24.1 | | ug/L | 20.00 | ND | 120 | 61-131 | 0.332 | 30 | |
| Bromobenzene | 21.3 | | ug/L | 20.00 | ND | 107 | 61-130 | 0.470 | 39 | |
| Bromochloromethane | 24.6 | | ug/L | 20.00 | ND | 123 | 67-125 | 0.122 | 40 | |
| Bromodichloromethane | 21.8 | | ug/L | 20.00 | ND | 109 | 46-145 | 1.48 | 30 | |
| Bromoform | 22.1 | | ug/L | 20.00 | ND | 110 | 49-119 | 3.13 | 38 | |
| Bromomethane | 19.3 | | ug/L | 20.00 | ND | 96.3 | 10-189 | 9.02 | 60 | |
| Carbon Disulfide | 102 | | ug/L | 80.00 | ND | 128 | 39-138 | 2.36 | 38 | |
| Carbon Tetrachloride | 24.2 | | ug/L | 20.00 | ND | 121 | 52-139 | 0.290 | 30 | |
| Chlorobenzene | 22.2 | | ug/L | 20.00 | ND | 111 | 57-128 | 0.539 | 30 | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149088 - VOC PREP** | | | | | | | | | | |
| **Matrix Spike Dup (1149088-MSD1)** | **Source: 11K0913-05** | | | Prepared & Analyzed: 11/28/11 | | | | | | |
| Chloroethane | 20.9 | | ug/L | 20.00 | ND | 104 | 55-149 | 7.03 | 50 | |
| Chloroform | 22.8 | | ug/L | 20.00 | ND | 114 | 49-151 | 0.0439 | 35 | |
| Chloromethane | 20.9 | | ug/L | 20.00 | ND | 104 | 38-146 | 8.93 | 44 | |
| cis-1,2-Dichloroethene | 24.2 | | ug/L | 20.00 | 2.04 | 111 | 45-156 | 1.72 | 34 | |
| cis-1,3-Dichloropropene | 22.0 | | ug/L | 20.00 | ND | 110 | 45-130 | 1.10 | 35 | |
| Dibromochloromethane | 20.8 | | ug/L | 20.00 | ND | 104 | 62-115 | 2.29 | 40 | |
| Dibromomethane | 21.5 | | ug/L | 20.00 | ND | 107 | 60-134 | 2.07 | 43 | |
| Dichlorodifluoromethane | 23.0 | | ug/L | 20.00 | ND | 115 | 46-144 | 3.29 | 55 | |
| Ethylbenzene | 22.6 | | ug/L | 20.00 | ND | 113 | 60-128 | 1.06 | 30 | |
| Iodomethane | 57.1 | | ug/L | 80.00 | ND | 71.4 | 50-138 | 1.22 | 39 | |
| Methylene Chloride | 23.7 | | ug/L | 20.00 | ND | 119 | 31-141 | 0.714 | 40 | |
| Methyl tert-Butyl Ether | 24.1 | | ug/L | 20.00 | ND | 120 | 50-127 | 2.65 | 37 | |
| m,p-Xylene | 46.2 | | ug/L | 40.00 | ND | 115 | 55-132 | 0.497 | 35 | |
| n-Hexane | 23.2 | | ug/L | 20.00 | ND | 116 | 10-226 | 3.51 | 60 | |
| o-Xylene | 22.8 | | ug/L | 20.00 | ND | 114 | 60-125 | 0.661 | 37 | |
| S[illegible]e | 22.3 | | ug/L | 20.00 | ND | 111 | 10-158 | 0.135 | 50 | |
| [illegible]loroethene | 21.6 | | ug/L | 20.00 | 9.84 | 58.6 | 31-108 | 0.739 | 32 | |
| Toluene | 24.1 | | ug/L | 20.00 | ND | 120 | 56-136 | 0.166 | 35 | |
| trans-1,2-Dichloroethene | 29.0 | | ug/L | 20.00 | ND | 145 | 61-131 | 0.311 | 34 | M |
| trans-1,3-Dichloropropene | 22.8 | | ug/L | 20.00 | ND | 114 | 46-129 | 1.72 | 38 | |
| Trichloroethene | 23.7 | | ug/L | 20.00 | 1.43 | 111 | 58-131 | 2.13 | 36 | |
| Trichlorofluoromethane | 20.4 | | ug/L | 20.00 | ND | 102 | 50-166 | 2.37 | 40 | |
| Vinyl Chloride | 23.2 | | ug/L | 20.00 | ND | 116 | 50-154 | 8.47 | 50 | |
| Vinyl acetate | 47.4 | | ug/L | 80.00 | ND | 59.3 | 10-164 | 1.61 | 60 | |
| *Surrogate: 4-Bromofluorobenzene* | *59.7* | | *ug/L* | *50.00* | | *119* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *60.7* | | *ug/L* | *50.00* | | *121* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *60.7* | | *ug/L* | *50.00* | | *121* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *62.7* | | *ug/L* | *50.00* | | *125* | *75-124* | | | *S* |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149195 - VOC PREP** | | | | | | | | | | |
| **Blank (1149195-BLK1)** | | | | Prepared & Analyzed: 11/25/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,1-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2,2-Tetrachloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1,2-Trichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| 1,1-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dibromoethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloroethane | BDL | 5.00 | ug/L | | | | | | | |
| 1,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 1,3-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2,2-Dichloropropane | BDL | 5.00 | ug/L | | | | | | | |
| 2-Butanone | BDL | 20.0 | ug/L | | | | | | | |
| 2-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 2-Hexanone | BDL | 20.0 | ug/L | | | | | | | |
| 4-Chlorotoluene | BDL | 5.00 | ug/L | | | | | | | |
| 4-Methyl-2-pentanone | BDL | 20.0 | ug/L | | | | | | | |
| Acetone | BDL | 20.0 | ug/L | | | | | | | |
| Acetonitrile | BDL | 40.0 | ug/L | | | | | | | |
| Acrolein | BDL | 20.0 | ug/L | | | | | | | |
| Acrylonitrile | BDL | 20.0 | ug/L | | | | | | | |
| Allyl chloride | BDL | 5.00 | ug/L | | | | | | | |
| Benzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Bromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromodichloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Bromoform | BDL | 5.00 | ug/L | | | | | | | |
| Bromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Carbon Disulfide | BDL | 20.0 | ug/L | | | | | | | |
| Carbon Tetrachloride | BDL | 5.00 | ug/L | | | | | | | |
| Chlorobenzene | BDL | 5.00 | ug/L | | | | | | | |
| Chloroethane | BDL | 5.00 | ug/L | | | | | | | |
| Chloroform | BDL | 5.00 | ug/L | | | | | | | |
| Chloromethane | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| cis-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Dibromochloromethane | BDL | 5.00 | ug/L | | | | | | | |
| Dibromomethane | BDL | 5.00 | ug/L | | | | | | | |
| Dichlorodifluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Ethylbenzene | BDL | 5.00 | ug/L | | | | | | | |
| Iodomethane | BDL | 10.0 | ug/L | | | | | | | |
| Methylene Chloride | BDL | 5.00 | ug/L | | | | | | | |
| Methyl tert-Butyl Ether | BDL | 10.0 | ug/L | | | | | | | |
| m,p-Xylene | BDL | 10.0 | ug/L | | | | | | | |
| n-Hexane | BDL | 5.00 | ug/L | | | | | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149195 - VOC PREP** | | | | | | | | | | |
| **Blank (1149195-BLK1)** | | | | Prepared & Analyzed: 11/25/11 | | | | | | |
| o-Xylene | BDL | 5.00 | ug/L | | | | | | | |
| Styrene | BDL | 5.00 | ug/L | | | | | | | |
| Tetrachloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Toluene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,2-Dichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| trans-1,3-Dichloropropene | BDL | 5.00 | ug/L | | | | | | | |
| Trichloroethene | BDL | 5.00 | ug/L | | | | | | | |
| Trichlorofluoromethane | BDL | 5.00 | ug/L | | | | | | | |
| Vinyl Chloride | BDL | 1.00 | ug/L | | | | | | | |
| Vinyl acetate | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *55.0* | | *ug/L* | *50.00* | | *110* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *55.1* | | *ug/L* | *50.00* | | *110* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *57.9* | | *ug/L* | *50.00* | | *116* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *52.7* | | *ug/L* | *50.00* | | *105* | *75-124* | | | |
| **LCS (1149195-BS1)** | | | | Prepared & Analyzed: 11/25/11 | | | | | | |
| Tetrachloroethane | 21.4 | | ug/L | 20.00 | | 107 | 80-123 | | | |
| ,, richloroethane | 22.3 | | ug/L | 20.00 | | 111 | 75-135 | | | |
| 1,1,2,2-Tetrachloroethane | 21.0 | | ug/L | 20.00 | | 105 | 76-133 | | | |
| 1,1,2-Trichloroethane | 20.8 | | ug/L | 20.00 | | 104 | 80-124 | | | |
| 1,1-Dichloroethane | 21.2 | | ug/L | 20.00 | | 106 | 74-136 | | | |
| 1,1-Dichloroethene | 22.2 | | ug/L | 20.00 | | 111 | 61-154 | | | |
| 1,1-Dichloropropene | 22.7 | | ug/L | 20.00 | | 113 | 78-135 | | | |
| 1,2-Dibromoethane | 21.5 | | ug/L | 20.00 | | 107 | 76-125 | | | |
| 1,2-Dichloroethane | 21.0 | | ug/L | 20.00 | | 105 | 74-130 | | | |
| 1,2-Dichloropropane | 21.3 | | ug/L | 20.00 | | 107 | 78-126 | | | |
| 1,3-Dichloropropane | 20.9 | | ug/L | 20.00 | | 104 | 80-127 | | | |
| 2,2-Dichloropropane | 23.6 | | ug/L | 20.00 | | 118 | 49-183 | | | |
| 2-Butanone | 82.4 | | ug/L | 80.00 | | 103 | 53-157 | | | |
| 2-Chlorotoluene | 22.4 | | ug/L | 20.00 | | 112 | 75-132 | | | |
| 2-Hexanone | 80.6 | | ug/L | 80.00 | | 101 | 64-147 | | | |
| 4-Chlorotoluene | 23.1 | | ug/L | 20.00 | | 116 | 80-125 | | | |
| 4-Methyl-2-pentanone | 82.9 | | ug/L | 80.00 | | 104 | 74-133 | | | |
| Acetone | 101 | | ug/L | 80.00 | | 127 | 35-191 | | | |
| Acetonitrile | 208 | | ug/L | 199.7 | | 104 | 45-166 | | | |
| Acrylonitrile | 19.2 | | ug/L | 24.00 | | 80.1 | 64-137 | | | |
| Allyl chloride | 22.2 | | ug/L | 19.93 | | 111 | 60-150 | | | |
| Benzene | 22.5 | | ug/L | 20.00 | | 112 | 81-128 | | | |
| Bromobenzene | 22.5 | | ug/L | 20.00 | | 113 | 83-122 | | | |
| Bromochloromethane | 22.6 | | ug/L | 20.00 | | 113 | 81-127 | | | |
| Bromodichloromethane | 21.2 | | ug/L | 20.00 | | 106 | 79-123 | | | |
| Bromoform | 22.9 | | ug/L | 20.00 | | 114 | 59-130 | | | |
| Bromomethane | 23.7 | | ug/L | 20.00 | | 118 | 68-148 | | | |
| C Disulfide | 152 | | ug/L | 80.00 | | 190 | 44-162 | | | L |
| C Tetrachloride | 23.0 | | ug/L | 20.00 | | 115 | 64-132 | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149195 - VOC PREP** | | | | | | | | | | |
| **LCS (1149195-BS1)** | | | | Prepared & Analyzed: 11/25/11 | | | | | | |
| Chlorobenzene | 23.1 | | ug/L | 20.00 | | 116 | 82-122 | | | |
| Chloroethane | 18.2 | | ug/L | 20.00 | | 91.0 | 48-150 | | | |
| Chloroform | 21.2 | | ug/L | 20.00 | | 106 | 74-132 | | | |
| Chloromethane | 18.6 | | ug/L | 20.00 | | 93.0 | 50-166 | | | |
| cis-1,2-Dichloroethene | 21.6 | | ug/L | 20.00 | | 108 | 77-134 | | | |
| cis-1,3-Dichloropropene | 22.3 | | ug/L | 20.00 | | 112 | 77-127 | | | |
| Dibromochloromethane | 21.1 | | ug/L | 20.00 | | 105 | 69-123 | | | |
| Dibromomethane | 20.8 | | ug/L | 20.00 | | 104 | 82-127 | | | |
| Dichlorodifluoromethane | 20.7 | | ug/L | 20.00 | | 103 | 41-145 | | | |
| Ethylbenzene | 23.3 | | ug/L | 20.00 | | 117 | 82-126 | | | |
| Iodomethane | 97.9 | | ug/L | 80.00 | | 122 | 50-144 | | | |
| Methylene Chloride | 21.8 | | ug/L | 20.00 | | 109 | 69-137 | | | |
| Methyl tert-Butyl Ether | 20.7 | | ug/L | 20.00 | | 103 | 73-127 | | | |
| m,p-Xylene | 47.7 | | ug/L | 40.00 | | 119 | 82-131 | | | |
| n-Hexane | 18.8 | | ug/L | 20.00 | | 94.2 | 41-166 | | | |
| o-Xylene | 23.6 | | ug/L | 20.00 | | 118 | 80-126 | | | |
| Styrene | 23.6 | | ug/L | 20.00 | | 118 | 80-127 | | | |
| Tetrachloroethene | 21.8 | | ug/L | 20.00 | | 109 | 43-152 | | | |
| Toluene | 23.8 | | ug/L | 20.00 | | 119 | 84-129 | | | |
| trans-1,2-Dichloroethene | 25.5 | | ug/L | 20.00 | | 128 | 73-132 | | | |
| trans-1,3-Dichloropropene | 22.2 | | ug/L | 20.00 | | 111 | 80-131 | | | |
| Trichloroethene | 23.8 | | ug/L | 20.00 | | 119 | 79-129 | | | |
| Trichlorofluoromethane | 19.1 | | ug/L | 20.00 | | 95.4 | 64-163 | | | |
| Vinyl Chloride | 20.3 | | ug/L | 20.00 | | 101 | 61-157 | | | |
| Vinyl acetate | 87.5 | | ug/L | 80.00 | | 109 | 36-205 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *56.1* | | *ug/L* | *50.00* | | *112* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *56.7* | | *ug/L* | *50.00* | | *113* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *58.7* | | *ug/L* | *50.00* | | *117* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.6* | | *ug/L* | *50.00* | | *111* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149195 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1149195-BSD1)** | | | | Prepared & Analyzed: 11/25/11 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 20.9 | | ug/L | 20.00 | | 104 | 80-123 | 2.27 | 11 | |
| 1,1,1-Trichloroethane | 21.4 | | ug/L | 20.00 | | 107 | 75-135 | 4.08 | 11 | |
| 1,1,2,2-Tetrachloroethane | 19.3 | | ug/L | 20.00 | | 96.6 | 76-133 | 8.57 | 14 | |
| 1,1,2-Trichloroethane | 19.5 | | ug/L | 20.00 | | 97.6 | 80-124 | 6.15 | 12 | |
| 1,1-Dichloroethane | 20.5 | | ug/L | 20.00 | | 102 | 74-136 | 3.41 | 12 | |
| 1,1-Dichloroethene | 21.3 | | ug/L | 20.00 | | 106 | 61-154 | 4.46 | 14 | |
| 1,1-Dichloropropene | 21.5 | | ug/L | 20.00 | | 108 | 78-135 | 5.29 | 11 | |
| 1,2-Dibromoethane | 21.0 | | ug/L | 20.00 | | 105 | 76-125 | 2.36 | 43 | |
| 1,2-Dichloroethane | 20.2 | | ug/L | 20.00 | | 101 | 74-130 | 3.69 | 10 | |
| 1,2-Dichloropropane | 20.6 | | ug/L | 20.00 | | 103 | 78-126 | 3.48 | 10 | |
| 1,3-Dichloropropane | 19.9 | | ug/L | 20.00 | | 99.7 | 80-127 | 4.56 | 11 | |
| 2,2-Dichloropropane | 22.3 | | ug/L | 20.00 | | 111 | 49-183 | 5.71 | 13 | |
| 2-Butanone | 86.2 | | ug/L | 80.00 | | 108 | 53-157 | 4.52 | 18 | |
| 2-Chlorotoluene | 21.8 | | ug/L | 20.00 | | 109 | 75-132 | 2.53 | 43 | |
| 2-Hexanone | 80.8 | | ug/L | 80.00 | | 101 | 64-147 | 0.211 | 18 | |
| [illegible]orotoluene | 22.2 | | ug/L | 20.00 | | 111 | 80-125 | 4.20 | 11 | |
| [illegible]yl-2-pentanone | 75.2 | | ug/L | 80.00 | | 94.0 | 74-133 | 9.71 | 17 | |
| Acetone | 119 | | ug/L | 80.00 | | 148 | 35-191 | 15.9 | 23 | |
| Acetonitrile | 197 | | ug/L | 199.7 | | 98.5 | 45-166 | 5.60 | 48 | |
| Acrylonitrile | 17.6 | | ug/L | 24.00 | | 73.3 | 64-137 | 8.85 | 18 | |
| Allyl chloride | 21.0 | | ug/L | 19.93 | | 105 | 60-150 | 5.88 | 16 | |
| Benzene | 21.7 | | ug/L | 20.00 | | 109 | 81-128 | 3.53 | 10 | |
| Bromobenzene | 21.7 | | ug/L | 20.00 | | 109 | 83-122 | 3.57 | 11 | |
| Bromochloromethane | 21.3 | | ug/L | 20.00 | | 107 | 81-127 | 5.74 | 10 | |
| Bromodichloromethane | 20.5 | | ug/L | 20.00 | | 103 | 79-123 | 3.50 | 10 | |
| Bromoform | 21.5 | | ug/L | 20.00 | | 108 | 59-130 | 6.04 | 17 | |
| Bromomethane | 23.6 | | ug/L | 20.00 | | 118 | 68-148 | 0.296 | 17 | |
| Carbon Disulfide | 145 | | ug/L | 80.00 | | 181 | 44-162 | 4.71 | 17 | L |
| Carbon Tetrachloride | 21.7 | | ug/L | 20.00 | | 109 | 64-132 | 5.73 | 12 | |
| Chlorobenzene | 22.6 | | ug/L | 20.00 | | 113 | 82-122 | 2.50 | 10 | |
| Chloroethane | 17.8 | | ug/L | 20.00 | | 89.2 | 48-150 | 1.89 | 33 | |
| Chloroform | 20.3 | | ug/L | 20.00 | | 102 | 74-132 | 4.05 | 10 | |
| Chloromethane | 18.3 | | ug/L | 20.00 | | 91.7 | 50-166 | 1.41 | 18 | |
| cis-1,2-Dichloroethene | 20.7 | | ug/L | 20.00 | | 103 | 77-134 | 4.36 | 11 | |
| cis-1,3-Dichloropropene | 20.8 | | ug/L | 20.00 | | 104 | 77-127 | 7.00 | 12 | |
| Dibromochloromethane | 20.4 | | ug/L | 20.00 | | 102 | 69-123 | 3.38 | 14 | |
| Dibromomethane | 19.5 | | ug/L | 20.00 | | 97.6 | 82-127 | 6.30 | 11 | |
| Dichlorodifluoromethane | 19.9 | | ug/L | 20.00 | | 99.6 | 41-145 | 3.60 | 21 | |
| Ethylbenzene | 22.7 | | ug/L | 20.00 | | 114 | 82-126 | 2.65 | 11 | |
| Iodomethane | 91.7 | | ug/L | 80.00 | | 115 | 50-144 | 6.52 | 14 | |
| Methylene Chloride | 21.3 | | ug/L | 20.00 | | 106 | 69-137 | 2.60 | 12 | |
| Methyl tert-Butyl Ether | 19.5 | | ug/L | 20.00 | | 97.6 | 73-127 | 5.67 | 11 | |
| m,p-Xylene | 47.2 | | ug/L | 40.00 | | 118 | 82-131 | 1.18 | 11 | |
| [illegible]e | 18.0 | | ug/L | 20.00 | | 90.0 | 41-166 | 4.62 | 17 | |
| o[illegible]ne | 23.1 | | ug/L | 20.00 | | 116 | 80-126 | 1.88 | 12 | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149195 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1149195-BSD1)** | | | | Prepared & Analyzed: 11/25/11 | | | | | | |
| Styrene | 23.0 | | ug/L | 20.00 | | 115 | 80-127 | 2.36 | 40 | |
| Tetrachloroethene | 23.5 | | ug/L | 20.00 | | 117 | 43-152 | 7.15 | 26 | |
| Toluene | 23.0 | | ug/L | 20.00 | | 115 | 84-129 | 3.76 | 11 | |
| trans-1,2-Dichloroethene | 24.7 | | ug/L | 20.00 | | 123 | 73-132 | 3.35 | 11 | |
| trans-1,3-Dichloropropene | 20.9 | | ug/L | 20.00 | | 105 | 80-131 | 5.71 | 12 | |
| Trichloroethene | 23.1 | | ug/L | 20.00 | | 115 | 79-129 | 3.07 | 12 | |
| Trichlorofluoromethane | 18.3 | | ug/L | 20.00 | | 91.6 | 64-163 | 4.07 | 16 | |
| Vinyl Chloride | 19.6 | | ug/L | 20.00 | | 97.9 | 61-157 | 3.56 | 17 | |
| Vinyl acetate | 80.6 | | ug/L | 80.00 | | 101 | 36-205 | 8.26 | 27 | |
| *Surrogate: 4-Bromofluorobenzene* | *57.0* | | *ug/L* | *50.00* | | *114* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *56.5* | | *ug/L* | *50.00* | | *113* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *58.5* | | *ug/L* | *50.00* | | *117* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *55.5* | | *ug/L* | *50.00* | | *111* | *75-124* | | | |
| **Batch 1149212 - VOC PREP** | | | | | | | | | | |
| **Blank (1149212-BLK1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Tetrachloroethene | BDL | 5.00 | ug/L | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *51.6* | | *ug/L* | *50.00* | | *103* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *51.2* | | *ug/L* | *50.00* | | *102* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *51.5* | | *ug/L* | *50.00* | | *103* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *48.6* | | *ug/L* | *50.00* | | *97.3* | *75-124* | | | |
| **LCS (1149212-BS1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Tetrachloroethene | 24.3 | | ug/L | 20.00 | | 122 | 43-152 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *53.6* | | *ug/L* | *50.00* | | *107* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *53.2* | | *ug/L* | *50.00* | | *106* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *52.1* | | *ug/L* | *50.00* | | *104* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.8* | | *ug/L* | *50.00* | | *104* | *75-124* | | | |

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1149212 - VOC PREP** | | | | | | | | | | |
| **LCS Dup (1149212-BSD1)** | | | | Prepared & Analyzed: 11/18/11 | | | | | | |
| Tetrachloroethene | 16.4 | | ug/L | 20.00 | | 81.8 | 43-152 | 39.1 | 26 | R |
| *Surrogate: 4-Bromofluorobenzene* | *51.8* | | *ug/L* | *50.00* | | *104* | *66-125* | | | |
| *Surrogate: Dibromofluoromethane* | *51.4* | | *ug/L* | *50.00* | | *103* | *75-130* | | | |
| *Surrogate: Toluene-d8* | *51.6* | | *ug/L* | *50.00* | | *103* | *76-131* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.0* | | *ug/L* | *50.00* | | *98.1* | *75-124* | | | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1147218 - PREP_SVOC_W** | | | | | | | | | | |
| **Blank (1147218-BLK1)** | | | | Prepared: 11/18/11 Analyzed: 11/19/11 | | | | | | |
| 2-Methylnaphthalene | BDL | 10.0 | ug/L | | | | | | | |
| Acenaphthene | BDL | 10.0 | ug/L | | | | | | | |
| Acenaphthylene | BDL | 10.0 | ug/L | | | | | | | |
| Anthracene | BDL | 10.0 | ug/L | | | | | | | |
| Benz(a)anthracene | BDL | 0.260 | ug/L | | | | | | | |
| Benzo(a)pyrene | BDL | 0.200 | ug/L | | | | | | | |
| Benzo(b)fluoranthene | BDL | 0.170 | ug/L | | | | | | | |
| Benzo(g,h,i)perylene | BDL | 10.0 | ug/L | | | | | | | |
| Benzo(k)fluoranthene | BDL | 1.70 | ug/L | | | | | | | |
| Chrysene | BDL | 10.0 | ug/L | | | | | | | |
| Dibenz(a,h)anthracene | BDL | 0.100 | ug/L | | | | | | | |
| Fluoranthene | BDL | 10.0 | ug/L | | | | | | | |
| Fluorene | BDL | 10.0 | ug/L | | | | | | | |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | ug/L | | | | | | | |
| Naphthalene | BDL | 1.00 | ug/L | | | | | | | |
| Phenanthrene | BDL | 10.0 | ug/L | | | | | | | |
| Pyrene | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: Nitrobenzene-d5* | *29.2* | | *ug/L* | *40.00* | | *73.0* | *50-110* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *28.9* | | *ug/L* | *40.00* | | *72.2* | *50-104* | | | |
| *Surrogate: Terphenyl-d14* | *30.3* | | *ug/L* | *40.00* | | *75.8* | *37-135* | | | |
| **LCS (1147218-BS1)** | | | | Prepared: 11/18/11 Analyzed: 11/19/11 | | | | | | |
| 2-Methylnaphthalene | 65.0 | 10.0 | ug/L | 100.0 | | 65.0 | 10-200 | | | |
| Acenaphthene | 67.6 | 10.0 | ug/L | 100.0 | | 67.6 | 53-95 | | | |
| Acenaphthylene | 65.4 | 10.0 | ug/L | 100.0 | | 65.4 | 48-98 | | | |
| Anthracene | 61.0 | 10.0 | ug/L | 100.0 | | 61.0 | 60-97 | | | |
| Benz(a)anthracene | 78.0 | 0.260 | ug/L | 100.0 | | 78.0 | 72-114 | | | |
| Benzo(a)pyrene | 75.1 | 0.200 | ug/L | 100.0 | | 75.1 | 50-113 | | | |
| Benzo(b)fluoranthene | 80.9 | 0.170 | ug/L | 100.0 | | 80.9 | 48-111 | | | |
| Benzo(g,h,i)perylene | 72.7 | 10.0 | ug/L | 100.0 | | 72.7 | 44-122 | | | |
| Benzo(k)fluoranthene | 61.8 | 1.70 | ug/L | 100.0 | | 61.8 | 35-125 | | | |
| Chrysene | 74.0 | 10.0 | ug/L | 100.0 | | 74.0 | 62-106 | | | |
| Dibenz(a,h)anthracene | 71.8 | 0.100 | ug/L | 100.0 | | 71.8 | 47-119 | | | |
| Fluoranthene | 66.6 | 10.0 | ug/L | 100.0 | | 66.6 | 54-108 | | | |
| Fluorene | 62.9 | 10.0 | ug/L | 100.0 | | 62.9 | 53-97 | | | |
| Indeno(1,2,3-cd)pyrene | 76.1 | 0.220 | ug/L | 100.0 | | 76.1 | 49-124 | | | |
| Naphthalene | 62.3 | 1.00 | ug/L | 100.0 | | 62.3 | 47-86 | | | |
| Phenanthrene | 65.0 | 10.0 | ug/L | 100.0 | | 65.0 | 54-96 | | | |
| Pyrene | 69.9 | 10.0 | ug/L | 100.0 | | 69.9 | 53-107 | | | |
| *Surrogate: Nitrobenzene-d5* | *32.8* | | *ug/L* | *40.00* | | *82.1* | *50-110* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *33.2* | | *ug/L* | *40.00* | | *83.0* | *50-104* | | | |
| *Surrogate: Terphenyl-d14* | *35.8* | | *ug/L* | *40.00* | | *89.6* | *37-135* | | | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1147218 - PREP_SVOC_W** | | | | | | | | | | |
| **LCS Dup (1147218-BSD1)** | | | | Prepared: 11/18/11 Analyzed: 11/19/11 | | | | | | |
| 2-Methylnaphthalene | 66.0 | 10.0 | ug/L | 100.0 | | 66.0 | 10-200 | 1.53 | 50 | |
| Acenaphthene | 69.7 | 10.0 | ug/L | 100.0 | | 69.7 | 53-95 | 2.97 | 19 | |
| Acenaphthylene | 66.7 | 10.0 | ug/L | 100.0 | | 66.7 | 48-98 | 1.92 | 17 | |
| Anthracene | 61.1 | 10.0 | ug/L | 100.0 | | 61.1 | 60-97 | 0.0491 | 12 | |
| Benz(a)anthracene | 78.3 | 0.260 | ug/L | 100.0 | | 78.3 | 72-114 | 0.474 | 12 | |
| Benzo(a)pyrene | 75.0 | 0.200 | ug/L | 100.0 | | 75.0 | 50-113 | 0.147 | 19 | |
| Benzo(b)fluoranthene | 82.7 | 0.170 | ug/L | 100.0 | | 82.7 | 48-111 | 2.19 | 26 | |
| Benzo(g,h,i)perylene | 75.3 | 10.0 | ug/L | 100.0 | | 75.3 | 44-122 | 3.61 | 31 | |
| Benzo(k)fluoranthene | 64.8 | 1.70 | ug/L | 100.0 | | 64.8 | 35-125 | 4.79 | 29 | |
| Chrysene | 74.4 | 10.0 | ug/L | 100.0 | | 74.4 | 62-106 | 0.485 | 12 | |
| Dibenz(a,h)anthracene | 75.2 | 0.100 | ug/L | 100.0 | | 75.2 | 47-119 | 4.61 | 28 | |
| Fluoranthene | 67.0 | 10.0 | ug/L | 100.0 | | 67.0 | 54-108 | 0.554 | 13 | |
| Fluorene | 64.4 | 10.0 | ug/L | 100.0 | | 64.4 | 53-97 | 2.39 | 18 | |
| Indeno(1,2,3-cd)pyrene | 80.2 | 0.220 | ug/L | 100.0 | | 80.2 | 49-124 | 5.34 | 29 | |
| Naphthalene | 62.8 | 1.00 | ug/L | 100.0 | | 62.8 | 47-86 | 0.767 | 13 | |
| P[illegible]nthrene | 64.8 | 10.0 | ug/L | 100.0 | | 64.8 | 54-96 | 0.277 | 12 | |
| | 66.7 | 10.0 | ug/L | 100.0 | | 66.7 | 53-107 | 4.72 | 22 | |
| *Surrogate: Nitrobenzene-d5* | *33.2* | | *ug/L* | *40.00* | | *82.9* | *50-110* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *34.2* | | *ug/L* | *40.00* | | *85.5* | *50-104* | | | |
| *Surrogate: Terphenyl-d14* | *34.0* | | *ug/L* | *40.00* | | *85.0* | *37-135* | | | |
| **Batch 1148018 - PREP_SVOC_W** | | | | | | | | | | |
| **Blank (1148018-BLK1)** | | | | Prepared: 11/21/11 Analyzed: 11/22/11 | | | | | | |
| 2-Methylnaphthalene | BDL | 10.0 | ug/L | | | | | | | |
| Acenaphthene | BDL | 10.0 | ug/L | | | | | | | |
| Acenaphthylene | BDL | 10.0 | ug/L | | | | | | | |
| Anthracene | BDL | 10.0 | ug/L | | | | | | | |
| Benz(a)anthracene | BDL | 0.260 | ug/L | | | | | | | |
| Benzo(a)pyrene | BDL | 0.200 | ug/L | | | | | | | |
| Benzo(b)fluoranthene | BDL | 0.170 | ug/L | | | | | | | |
| Benzo(g,h,i)perylene | BDL | 10.0 | ug/L | | | | | | | |
| Benzo(k)fluoranthene | BDL | 1.70 | ug/L | | | | | | | |
| Chrysene | BDL | 10.0 | ug/L | | | | | | | |
| Dibenz(a,h)anthracene | BDL | 0.100 | ug/L | | | | | | | |
| Fluoranthene | BDL | 10.0 | ug/L | | | | | | | |
| Fluorene | BDL | 10.0 | ug/L | | | | | | | |
| Indeno(1,2,3-cd)pyrene | BDL | 0.220 | ug/L | | | | | | | |
| Naphthalene | BDL | 1.00 | ug/L | | | | | | | |
| Phenanthrene | BDL | 10.0 | ug/L | | | | | | | |
| Pyrene | BDL | 10.0 | ug/L | | | | | | | |
| *Surrogate: Nitrobenzene-d5* | *28.6* | | *ug/L* | *40.00* | | *71.4* | *50-110* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *27.0* | | *ug/L* | *40.00* | | *67.4* | *50-104* | | | |
| *S[illegible]rogate: Terphenyl-d14* | *27.6* | | *ug/L* | *40.00* | | *69.1* | *37-135* | | | |

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1148018 - PREP_SVOC_W** | | | | | | | | | | |
| **LCS (1148018-BS1)** | | | | Prepared: 11/21/11 Analyzed: 11/22/11 | | | | | | |
| 2-Methylnaphthalene | 64.1 | 10.0 | ug/L | 100.0 | | 64.1 | 10-200 | | | |
| Acenaphthene | 66.8 | 10.0 | ug/L | 100.0 | | 66.8 | 53-95 | | | |
| Acenaphthylene | 64.0 | 10.0 | ug/L | 100.0 | | 64.0 | 48-98 | | | |
| Anthracene | 62.3 | 10.0 | ug/L | 100.0 | | 62.3 | 60-97 | | | |
| Benz(a)anthracene | 74.5 | 0.260 | ug/L | 100.0 | | 74.5 | 72-114 | | | |
| Benzo(a)pyrene | 71.6 | 0.200 | ug/L | 100.0 | | 71.6 | 50-113 | | | |
| Benzo(b)fluoranthene | 75.5 | 0.170 | ug/L | 100.0 | | 75.5 | 48-111 | | | |
| Benzo(g,h,i)perylene | 74.8 | 10.0 | ug/L | 100.0 | | 74.8 | 44-122 | | | |
| Benzo(k)fluoranthene | 41.8 | 1.70 | ug/L | 100.0 | | 41.8 | 35-125 | | | |
| Chrysene | 70.8 | 10.0 | ug/L | 100.0 | | 70.8 | 62-106 | | | |
| Dibenz(a,h)anthracene | 72.5 | 0.100 | ug/L | 100.0 | | 72.5 | 47-119 | | | |
| Fluoranthene | 69.5 | 10.0 | ug/L | 100.0 | | 69.5 | 54-108 | | | |
| Fluorene | 66.9 | 10.0 | ug/L | 100.0 | | 66.9 | 53-97 | | | |
| Indeno(1,2,3-cd)pyrene | 76.3 | 0.220 | ug/L | 100.0 | | 76.3 | 49-124 | | | |
| Naphthalene | 62.6 | 1.00 | ug/L | 100.0 | | 62.6 | 47-86 | | | |
| Phenanthrene | 66.5 | 10.0 | ug/L | 100.0 | | 66.5 | 54-96 | | | |
| Pyrene | 66.9 | 10.0 | ug/L | 100.0 | | 66.9 | 53-107 | | | |
| *Surrogate: Nitrobenzene-d5* | *30.8* | | *ug/L* | *40.00* | | *77.0* | *50-110* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *31.4* | | *ug/L* | *40.00* | | *78.6* | *50-104* | | | |
| *Surrogate: Terphenyl-d14* | *31.8* | | *ug/L* | *40.00* | | *79.4* | *37-135* | | | |
| **LCS Dup (1148018-BSD1)** | | | | Prepared: 11/21/11 Analyzed: 11/22/11 | | | | | | |
| 2-Methylnaphthalene | 63.0 | 10.0 | ug/L | 100.0 | | 63.0 | 10-200 | 1.83 | 50 | |
| Acenaphthene | 64.8 | 10.0 | ug/L | 100.0 | | 64.8 | 53-95 | 2.95 | 19 | |
| Acenaphthylene | 61.1 | 10.0 | ug/L | 100.0 | | 61.1 | 48-98 | 4.65 | 17 | |
| Anthracene | 59.6 | 10.0 | ug/L | 100.0 | | 59.6 | 60-97 | 4.48 | 12 | L-ME |
| Benz(a)anthracene | 70.4 | 0.260 | ug/L | 100.0 | | 70.4 | 72-114 | 5.77 | 12 | L-ME |
| Benzo(a)pyrene | 69.9 | 0.200 | ug/L | 100.0 | | 69.9 | 50-113 | 2.47 | 19 | |
| Benzo(b)fluoranthene | 72.0 | 0.170 | ug/L | 100.0 | | 72.0 | 48-111 | 4.62 | 26 | |
| Benzo(g,h,i)perylene | 73.9 | 10.0 | ug/L | 100.0 | | 73.9 | 44-122 | 1.24 | 31 | |
| Benzo(k)fluoranthene | 70.8 | 1.70 | ug/L | 100.0 | | 70.8 | 35-125 | 51.5 | 29 | R |
| Chrysene | 66.8 | 10.0 | ug/L | 100.0 | | 66.8 | 62-106 | 5.74 | 12 | |
| Dibenz(a,h)anthracene | 70.7 | 0.100 | ug/L | 100.0 | | 70.7 | 47-119 | 2.60 | 28 | |
| Fluoranthene | 67.3 | 10.0 | ug/L | 100.0 | | 67.3 | 54-108 | 3.32 | 13 | |
| Fluorene | 63.9 | 10.0 | ug/L | 100.0 | | 63.9 | 53-97 | 4.65 | 18 | |
| Indeno(1,2,3-cd)pyrene | 75.2 | 0.220 | ug/L | 100.0 | | 75.2 | 49-124 | 1.54 | 29 | |
| Naphthalene | 61.1 | 1.00 | ug/L | 100.0 | | 61.1 | 47-86 | 2.33 | 13 | |
| Phenanthrene | 63.5 | 10.0 | ug/L | 100.0 | | 63.5 | 54-96 | 4.68 | 12 | |
| Pyrene | 62.4 | 10.0 | ug/L | 100.0 | | 62.4 | 53-107 | 6.82 | 22 | |
| *Surrogate: Nitrobenzene-d5* | *29.3* | | *ug/L* | *40.00* | | *73.2* | *50-110* | | | |
| *Surrogate: 2-Fluorobiphenyl* | *30.1* | | *ug/L* | *40.00* | | *75.2* | *50-104* | | | |
| *Surrogate: Terphenyl-d14* | *30.0* | | *ug/L* | *40.00* | | *75.1* | *37-135* | | | |

## Notes and Definitions

| | |
|---|---|
| S | Surrogate recovery is outside of acceptance limits. |
| R | RPD outside of accepted recovery limits. |
| QM-05 | The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable. |
| M | Matrix spike and/or matrix spike duplicate recovery outside of acceptance limits. |
| L-ME | Laboratory spike is outside of acceptance limits, but is within the marginal exceedance limit. |
| L | Laboratory control sample recovery outside of acceptance limits high, sample results are below detection limits. Sample data is still acceptable. |
| K | Result from method of standard additions. |
| BDL | Analyte is below detection limits |
| | Sample preservation was met unless otherwise noted. |

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST
# CHAIN OF CUSTODY

VAF Internal Lab Order Number 11K0837

| Purchase Order No. | Quote No. | Client Project |
|---|---|---|
| | | Twin Town |

**INVOICE TO**
Name: Laura Funk
Company: Weston Solutions, Inc.
Address: 711 E Monument Ave, Ste 201
City, State, Zip: Dayton, OH, 45402

**REPORT TO**
Name: Same
Company:
Mailing Address:
City, State, Zip:
Phone No.: 937-531-4400 Fax No.: 937-531-4401

Date Results Req: Rush Charges Authorized? ☐ Yes ☑ No Fax Results ☐

Special Instructions:

Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type: ☐ NPDES ☐ RCRA ☐ SDWA ☑ VAP ☐ Other
Collected in State of: OH

Matrix Key: DW - Drinking Water; GW - Ground Water; S - Soil/Solid; SL - Sludge; WW - Waste Water; Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | VOCs | PAHs | TAL Metals | PCBs | | | | | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | HNO, HCl, H2SO, Ice, None, Other | HNO, HCl, H2SO, Ice, None, Other | HNO, HCl, H2SO, Ice, None, Other | HNO, HCl, H2SO, Ice, None, Other | HNO, HCl, H2SO, Ice, None, Other | HNO, HCl, H2SO, Ice, None, Other | HNO, HCl, H2SO, Ice, None, Other | HNO, HCl, H2SO, Ice, None, Other | |
| TT-MW1A-111511 | 11-15-11 | 1616 | | X | GW | 3 | X | X | | | | | | | |
| TT-MW1A-111511D | 11-15-11 | 1630 | | X | GW | 3 | X | X | | | | | | | |
| TT-MW68-111611 | 11-16-11 | 0845 | | X | GW | 3 | X | X | | | | | | | |
| TT-MW69-111611 | 11-16-11 | 1035 | | X | GW | 3 | X | X | | | | | | | |
| TT-MW70-111611 | 11-16-11 | 1205 | | X | GW | 3 | X | X | | | | | | | |
| TT-MW67-111611 | 11-16-11 | 1410 | | X | GW | 5 | X | X | X | X | | | | | |
| TT-MW2A-111611 | 11-16-11 | 1545 | | X | GW | 3 | X | X | | | | | | | |
| TT-DAY06-111611 | 11-16-11 | 1705 | | X | GW | 3 | X | X | | | | | | | |
| Trip Blank | | | | | | 2 | X | | | | | | | | |
| * Last Item | | | | | | | | | | | | | | | |

26 +TB

CHAIN OF CUSTODY (if required)

Relinquished by: [signature] Date/Time 11/17 10:00 Received by:
Relinquished by: Date/Time Received at lab by: [signature] Date/Time 11-17-11 10:00
Method of Shipment: WI Cooler Temp. 3° Custody Seals ☐ Yes ☑ No

Sampled by: David Sena Date 11-16-11

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting



A & B Litho-Form #9786-5/02

Belmont Labs
The Environmental Service Company.

Thursday, February 16, 2012
Analytical Results

Laura Funk
Weston Solutions, Inc. - Dayton
711 East Monument, Ste 201
Dayton, OHIO 45402
TEL: (937) 531-4400
FAX (937) 384-4201

RE: Laboratory Analysis Work Order: 12B0358

Belmont Labs received 5 sample(s) on 2/8/2012 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed.

If you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Florea
Project Manager
Level I

**Certifications:** NELAP/NELAC - #04130 VAP - #CL0032
Ohio EPA Drinking water - #836 Ohio EPA Drinking water (Micro) - #872

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Laboratory Analysis
**Lab Order:** 12B0358

**Work Order Sample Summary**

**The results of analyses performed on the following samples submitted to Belmont Labs are found in this report.**

| Field Sample ID | Lab ID | Matrix | Method Reference | Subcontract Lab |
|---|---|---|---|---|
| TT-MW68-020712 | 12B0358-01 | Groundwater | SW 8082 | |
| TT-MW70-020712 | 12B0358-02 | Groundwater | SW 8082 | |
| TT-MW65-020712 | 12B0358-03 | Groundwater | SW 8082 | |
| TT-MW5-020712 | 12B0358-04 | Groundwater | SW 8082 | |
| TT-057A-020712 | 12B0358-05 | Groundwater | SW 8082 | |

**:NT:** Weston Solutions, Inc. - Dayton
**Project:** Laboratory Analysis
**Lab Order:** 12B0358

**Lab ID:** 12B0358-01
**Client Sample ID:** TT-MW68-020712
**Collection Date:** 2/7/2012 10:49:00AM
**Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| Aroclor 1254 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| *Surrogate: Decachlorobiphenyl* | *68.6 %* | | | *48-146* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *75.1 %* | | | *28-127* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 2:49:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton
**Project:** Laboratory Analysis
**Lab Order:** 12B0358

**Lab ID:** 12B0358-02
**Client Sample ID:** TT-MW70-020712
**Collection Date:** 2/7/2012 12:22:00PM
**Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| Aroclor 1254 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| *Surrogate: Decachlorobiphenyl* | | *67.8 %* | | *48-146* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |
| *Surrogate: Tetrachloro-m-xylene* | | *76.4 %* | | *28-127* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 3:26:00PM |

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 12B0358
**Project:** Laboratory Analysis

**Lab ID:** 12B0358-03 **Collection Date:** 2/7/2012 1:44:00PM
**Client Sample ID:** TT-MW65-020712 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| Aroclor 1254 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| *Surrogate: Decachlorobiphenyl* | *73.9 %* | | | *48-146* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *76.7 %* | | | *28-127* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 4:04:00PM |

**Belmont Labs** **Date:** 2/16/2012

**CLIENT:** Weston Solutions, Inc. - Dayton **Lab Order:** 12B0358
**Project:** Laboratory Analysis

**Lab ID:** 12B0358-04 **Collection Date:** 2/7/2012 3:22:00PM
**Client Sample ID:** TT-MW5-020712 **Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| Aroclor 1254 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| *Surrogate: Decachlorobiphenyl* | *67.9 %* | | | *48-146* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *76.3 %* | | | *28-127* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 4:41:00PM |

**:NT:** Weston Solutions, Inc. - Dayton
**Project:** Laboratory Analysis
**Lab Order:** 12B0358

**Lab ID:** 12B0358-05
**Client Sample ID:** TT-057A-020712
**Collection Date:** 2/7/2012 5:13:00PM
**Matrix:** Groundwater

| Analysis | Result | PQL | Qual | Units | Dilution | Batch | Date Prepared | Date Analyzed |
|---|---|---|---|---|---|---|---|---|
| **PCB_8082** | | **SW 8082** | | | | | **Analyst: FRS** | |
| Aroclor 1016 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| Aroclor 1221 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| Aroclor 1232 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| Aroclor 1242 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| Aroclor 1248 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| Aroclor 1254 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| Aroclor 1260 | BDL | 0.500 | | ug/L | 1 | 1207044 | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| *Surrogate: Decachlorobiphenyl* | *52.0 %* | | | *48-146* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |
| *Surrogate: Tetrachloro-m-xylene* | *75.8 %* | | | *28-127* | | *1207044* | 2/14/2012 9:02:00AM | 2/15/2012 5:18:00PM |

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1207044 - PREP_PP_W** | | | | | | | | | | |
| **Blank (1207044-BLK1)** | | | | Prepared: 02/14/12 Analyzed: 02/15/12 | | | | | | |
| Aroclor 1016 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1221 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1232 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1242 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1248 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1254 | BDL | 0.500 | ug/L | | | | | | | |
| Aroclor 1260 | BDL | 0.500 | ug/L | | | | | | | |
| *Surrogate: Decachlorobiphenyl* | *0.723* | | *ug/L* | *1.000* | | *72.3* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.816* | | *ug/L* | *1.000* | | *81.6* | *28-127* | | | |
| **LCS (1207044-BS1)** | | | | Prepared: 02/14/12 Analyzed: 02/15/12 | | | | | | |
| Aroclor 1016 | 5.51 | 0.500 | ug/L | 5.000 | | 110 | 69-138 | | | |
| Aroclor 1260 | 4.47 | 0.500 | ug/L | 5.000 | | 89.5 | 70-131 | | | |
| *Surrogate: Decachlorobiphenyl* | *0.535* | | *ug/L* | *1.000* | | *55.5* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.779* | | *ug/L* | *1.000* | | *77.9* | *28-127* | | | |
| **LCS Dup (1207044-BSD1)** | | | | Prepared: 02/14/12 Analyzed: 02/15/12 | | | | | | |
| Aroclor 1016 | 5.72 | 0.500 | ug/L | 5.000 | | 114 | 69-138 | 3.79 | 14 | |
| Aroclor 1260 | 4.79 | 0.500 | ug/L | 5.000 | | 95.9 | 70-131 | 6.86 | 19 | |
| *Surrogate: Decachlorobiphenyl* | *0.698* | | *ug/L* | *1.000* | | *69.8* | *48-146* | | | |
| *Surrogate: Tetrachloro-m-xylene* | *0.797* | | *ug/L* | *1.000* | | *79.7* | *28-127* | | | |

## Notes and Definitions

BDL Analyte is below detection limits

Sample preservation was met unless otherwise noted.

**Belmont Labs**
The Environmental Service Company.

# ANALYTICAL REQUEST
# CHAIN OF CUSTODY

Internal Lab Order Number 12B0358

Purchase Order No. 0075002

Client Project

**INVOICE TO**
Name: Laura Funk
Company: Westin Solutions
Address: 711 E Monument Ave #201
City, State, Zip: Dayton, OH 45402

**REPORT TO**
Name: Laura Funk
Company: Westin Solutions
Mailing Address: 711 E Monument Ave #201
City, State, Zip: Dayton, OH 45402
Phone No.: 937-534-4400
Fax No.:

Date Results Req: Rush Charges Authorized? ☐ Yes ☒ No
Fax Results ☐

Special Instructions:

Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type
☐ NPDES ☐ DoD
☐ RCRA
☐ SDWA
☒ VAP
☐ Other
Collected in State of OH

Matrix Key
DW - Drinking Water
GW - Ground Water
S - Soil/Solid
SL - Sludge
WW - Waste Water
Specify Other

ANALYSIS REQUESTED
(Enter an "X" in the box below to indicate request and circle preservative)

| CLIENT SAMPLE IDENTIFICATION | Date Sampled | Time | Comp | Grab | Matrix | Number of Containers | PCBs | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | $HNO_3$, HCl, $H_2SO_4$, ICE, NONE, OTHER | Lab Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TT-MW68-020712 | 2/7/12 | 1049 | | X | GW | 1 | X | | | | | | | | | |
| TT-MW70-020712 | 2/7/12 | 1222 | | X | GW | 1 | X | | | | | | | | | |
| TT-MW65-020712 | 2/7/12 | 1344 | | X | GW | 1 | X | | | | | | | | | |
| TT-MW5-020712 | 2/7/12 | 1522 | | X | GW | 1 | X | | | | | | | | | |
| TT-OS7A-020712 | 2/7/12 | 1713 | | X | GW | 1 | X | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

5

CHAIN OF CUSTODY (if required)

Relinquished by: Date/Time
Received by: Date/Time
Relinquished by: [signature] Date/Time 2/8/12 1010
Received at lab by: P. Whitaker Date/Time 2-8-12 10:10
Method of Shipment: UPS
Cooler Temp. 3° ici
Custody Seals ☐ Yes ☐ No

Sampled by: Greg Roussos Date: 2/7/12

Client Comments

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting

**Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2868**

Houston Business Forms - Form #14374 1/11

# ATTACHMENT G
# PHOTOGRAPHS

Photograph 1: AOI 36 prior to remediation. View is looking west.

Photograph 2: View of Building III and north parking lot. Photograph is taken after completion of interim remedial measures. View is looking northwest.

Photograph 3: AOI 36 after completion of interim remedial measures. View is looking southeast. Monitoring well MW-67 can be seen in the driveway between the two concrete islands. The eastern concrete island overlies the former exposed ground surface area of AOI 36.

Photograph 4: AOI 36 at completion of interim remedial measures. View is looking west.

# ATTACHMENT H
# DERIVATION OF SITE-SPECIFIC PCB STANDARD FOR PROTECTION OF CONSTRUCTION/EXCAVATION WORKERS

Ohio | Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

January 27, 2011

Ms. Laura Funk, CP 286
Weston Solutions, Inc.
711 East Monument Avenue, Suite 201
Dayton, OH 45402

Re: Tech Town Redevelopment Dayton Technical Assistance
Project # 557-002093-005

Dear Ms. Funk,

This letter is in response to your request for technical assistance to determine if the derivation of the Site-specific cleanup level proposed in Attachment A of 226 mg/kg and implementation of a Risk Mitigation Plan (RMP) to control exposure is consistent with what would be acceptable on a single-chemical basis under the Ohio VAP for the construction/excavation worker direct contact exposure pathway, and if the calculation included in Attachment B correctly reflects how the Ohio VAP single chemical PCB soil standard for construction/excavation worker activities was derived.

The Site-specific clean-up level of 226 mg/kg was calculated consistent with Ohio Administrative Code (OAC) 3745-300-09, "Property-Specific Risk Assessment Procedures" for the Voluntary Action Program. This clean-up level along with the implementation of a RMP consistent with OAC 3745-300-11(F) is an acceptable demonstration of compliance with applicable standards for the construction/excavation worker direct contact exposure pathway per OAC 3745-300-07(I). Please note that a multiple chemical adjustment is required for all pathways. The calculations included in Attachment B correctly reflect Ohio VAP single chemical PCB soil standard for construction/excavation worker activities per OAC 3745-300-08, "Generic Numerical Standards" for the Voluntary Action Program and follows the guidance and exposure factors found in the "Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures", Ohio Voluntary Action Program August 2008.

Please note that the technical assistance and guidance provided herein does not constitute a determination that the site in question will meet applicable standards. Following the guidance provided herein is also not a guarantee or warranty, expressed or implied that applicable standards will be achieved. The Volunteer is responsible for achieving compliance with applicable standards and demonstrating that they are met before a no further action letter and a covenant not to sue may be issued under this program. The technical assistance provided by Ohio EPA herein does not create a confidential or fiduciary relationship, such as an attorney-client or consultant-client relationship.

If you have any questions, please contact me at (614) 644-2295.

Sincerely,

Lisa Shook
Assessment, Cleanup, & Reuse Section
Division of Emergency and Remedial Response

ec: Frank Robertson, DERR-CO
Audrey Rush, DERR-CO
Joe Smindak, DERR-SWDO

50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

614 | 644 3020
614 | 644 3184 (fax)
www.epa.ohio.gov

## ATTACHMENT A
## DERIVATION OF SITE-SPECIFIC CONSTRUCTION/EXCAVATION WORKER STANDARD

**Table A**
**Summary of PCB Target Concentrations for Construction Worker or Excavation Worker Activities**

| | TC | Noncancer | | | TC | Cancer | | | VAP Generic Value |
|---|---|---|---|---|---|---|---|---|---|
| | Noncancer | TC oral | TC derm | TC inh | Cancer | TC oral | TC derm | TC inh | NC/C |
| CONTAMINANT | (mg/kg) | Adult | Adult | Adult | (mg/kg) | Adult | Adult | Adult | |
| PCB | 226 | 3.83E+02 | 553 | 0 | 1312 | 2236 | 3226 | 2.06E+05 | 42/230 |
| RfD/SF/IUR | | 6.00E-05 | 6.00E-05 | 0 | | 2 | 2 | 0.1 | |

**Equation 6. Calculation of cleanup standard for non-carcinogenic endpoint**

Target concentrations for each chemical of concern are first calculated separately for each exposure pathway as shown below.

$$TC_{ORAL} = \frac{HQ}{\left(\frac{IF_{ORAL}}{RfD_{ORAL}}\right)}$$

$$TC_{DERM} = \frac{HQ}{\left(\frac{IF_{DERM}}{RfD_{DERM}}\right)}$$

$$TC_{INH} = \frac{HQ \times AT}{\left(\frac{1}{RfC}\right) \times FI_{inh} \times ED \times EF \times \left[\left(\frac{1}{VF}\right) + \left(\frac{1}{PEF}\right)\right]}$$

Where:

| | | |
|---|---|---|
| $TC_{ORAL}$ | = | Target Concentration for Oral Pathway (mg/kg) |
| $TC_{DERM}$ | = | Target Concentration for Dermal Pathway (mg/kg) |
| $TC_{INH}$ | = | Target Concentration for Inhalation Pathway (mg/kg) |
| HQ | = | Target hazard quotient (HQ=1) |
| AT | = | Averaging time (days) (specific to each exposure scenario for non-cancer endpoints) |
| $IF_{ORAL}$ | = | Oral intake factor (Calculated as in Equation (4)) |
| $IF_{DERM}$ | = | Dermal intake factor (Calculated as in Equation (5)) |
| $RfD_{ORAL}$ | = | Oral reference dose (Chemical specific) |
| $RfD_{DERM}$ | = | Dermal reference dose (Chemical specific) |
| RfC | = | Inhalation reference concentration (Chemical specific) |
| $FI_{inh}$ | = | Fractional inhaled from contaminated source (unitless) |
| EF | = | Exposure frequency (days/year) (specific to each exposure scenario) |
| ED | = | Exposure duration (years) (specific to each exposure scenario) |
| VF | = | Volatilization Factor ($m^3$/kg) |
| PEF | = | Particulate Emission Factor ($m^3$/kg) |

Once target cleanup concentrations for each chemical of concern are calculated for each exposure pathway, the pathways are combined for a total target cleanup concentration as shown below.

$$TC_{TOTAL} = \frac{1}{\left(\frac{1}{TC_{ORAL}}\right) + \left(\frac{1}{TC_{DERM}}\right) + \left(\frac{1}{TC_{INH}}\right)}$$

Where:

| | | |
|---|---|---|
| $TC_{TOTAL}$ | = | Total Target cleanup concentration (mg/kg) |
| $TC_{ORAL}$ | = | Target Concentration for Oral Pathway (mg/kg) |
| $TC_{DERM}$ | = | Target Concentration for Dermal Pathway (mg/kg) |
| $TC_{INH}$ | = | Target Concentration for Inhalation Pathway (mg/kg) |

**Equation 7. Calculation of cleanup standard for carcinogenic endpoint**

Target concentrations for each chemical of concern are first calculated separately for each exposure pathway as shown below.

$$TC_{ORAL} = \frac{Target\ Risk}{(IF_{ORAL} \times SF_{ORAL})}$$

$$TC_{DERM} = \frac{Target\ Risk}{(IF_{DERM} \times SF_{DERM})}$$

$$TC_{INH} = \frac{Target\ Risk \times AT}{IUR \times ED \times EF \times \left[\left(\frac{1}{VF}\right) + \left(\frac{1}{PEF}\right)\right]}$$

Where:

| | | |
|---|---|---|
| $TC_{ORAL}$ | = | Target Concentration for Oral Pathway (mg/kg) |
| $TC_{DERM}$ | = | Target Concentration for Dermal Pathway (mg/kg) |
| $TC_{INH}$ | = | Target Concentration for Inhalation Pathway (mg/kg) |
| Target Risk | = | Target excess cancer rate ($10^{-5}$) |


TART3\939\42720TBLA.XLS This document shall not be disclosed without the express written permission of U.S. EPA. AKZU

## ATTACHMENT A
## DERIVATION OF SITE-SPECIFIC CONSTRUCTION/EXCAVATION WORKER STANDARD

**Table B**
**Soil Ingestion Factor - Construction Worker or Excavation Worker Activities**

### Equation 4. Intake factor for ingestion:

$$IF_{ORAL} = \frac{(IR \times EF \times ED \times ET \times FI \times CF)}{(BW \times AT)}$$

Where:

$IF_{ORAL}$ = Ingestion-specific intake factor (kg/kg-day)
IR = Soil ingestion rate (mg/day) (specific to each exposure scenario)
EF = Exposure frequency (days/year) (specific to each exposure scenario)
ED = Exposure duration (years) (specific to each exposure scenario)
ET = Exposure time (hours/day) (specific to each exposure scenario)*
FI = Fractional ingestion intake from contaminated source (unitless)
CF = Conversion factor ($10^{-6}$kg/mg)
BW = Body weight (mass) (kg) (specific to each exposure scenario)
AT = Averaging time (days) (specific to each exposure scenario for cancer or non-cancer endpoints)

**Residential soil ingestion is not dependent on exposure time. Commercial/Industrial and Construction /Excavation soil ingestion is calculated based on an hourly soil ingestion rate.*

| Recommended Standard Default Single Point Value Exposure Factors | |
|---|---|
| **Exposure Parameters** | **Construction or Excavation Worker Activities** |
| Soil Ingestion Rate (IR) (mg/day) | 200 |
| Exposure Frequency (EF) (days/yr)** | 20 |
| Exposure Duration (ED) (years) | 1 |
| Fraction Ingested (FI) (unitless) | 1 |
| Conversion Factor (CF) (kg/mg) | 0.000001 |
| Body Weight (BW) (kg) | 70 |
| Averaging Time (AT) (days) | |
| Noncarcinogens | 365 |
| Carcinogens | 25,550 |

| Ingestion Intake Factor | |
|---|---|
| **Construction or Excavation Worker Activities** | |
| Noncancer | Cancer |
| 1.57E-07 | 2.24E-09 |

Ohio Environmental Protection Agency (OEPA). 2008. "Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures." Ohio Voluntary Action Program. Division of Emergency and Remedial Response. August 2008.

**ORNL Risk Assessment Information System (RAIS) Preliminary Remediation Goals (PRGs) for Chemicals User's Guide http://rais.ornl.gov/tools/rais_chemical_prg_guide.html Accessed 9/8/2010.


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## APPENDIX A
## DERIVATION OF SITE-SPECIFIC CONSTRUCTION/EXCAVATION WORKER STANDARD

**Table C**
**Soil Dermal Intake Factor - Construction Worker or Excavation Worker Activities**

**Equation 5. Intake factor for the dermal pathway:**

$$IF_{DERM} = \frac{(SA \times EF \times ED \times AF \times ABS \times F_{DERM} \times CF)}{(BW \times AT)}$$

Where:

$IF_{DERM}$ = Dermal-specific intake factor (kg/kg-day)
SA = Surface area of exposed skin ($cm^2$) (specific to each exposure scenario)
EF = Exposure frequency (days/year) (specific to each exposure scenario)
ED = Exposure duration (years) (specific to each exposure scenario)
AF = Soil to skin adherence factor ($mg/cm^2$) (specific to each exposure scenario)
ABS = Dermal absorption fraction from soil (Table 3, or, if available from chemical specific data)
$F_{DERM}$ = Fractional dermal intake from contaminated source (unitless)
CF = Conversion factor ($10^{-6}$kg/mg)
BW = Body weight (kg) (specific to each exposure scenario)
AT = Averaging time (days) (specific to each exposure scenario for cancer or non-cancer endpoints)

| Recommended Standard Default Single Point Value Exposure Factors | |
|---|---|
| **Exposure Parameters** | **Construction or Excavation Worker Activities** |
| Conversion factor (CFs) (unitless) | 0.000001 |
| Skin Surface Area (SAS) ($cm^2$/day) | 3300 |
| Adherence Factor (AF) (unitless) | 0.3 |
| Absorption Factor (ABS) (unitless) | 0.14 |
| Fraction dermal intake (Fderm) (unitless) | 1 |
| Exposure Frequency (EF) (days/yr)** | 20 |
| Exposure Duration (ED) (years) | 1 |
| Body Weight (BW) (kg) | 70 |
| Averaging Time (AT) (days) | |
| Noncarcinogens | 365 |
| Carcinogens | 25550 |

| Dermal Intake Factor | |
|---|---|
| **Construction or Excavation Worker Activities** | |
| Noncancer | Cancer |
| 1.08E-07 | 1.55E-09 |

OEPA. 2008. Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures. The Voluntary Action Program. Division of Emergency and Remedial Response. August 2008.

**ORNL Risk Assessment Information System (RAIS) Preliminary Remediation Goals (PRGs) for Chemicals User's Guide http://rais.ornl.gov/tools/rais_chemical_prg_guide.html Accessed 9/8/2010.


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## APPENDIX A
## DERIVATION OF SITE-SPECIFIC CONSTRUCTION/EXCAVATION WORKER STANDARD

**Table D**
**Soil Inhalation Intake Factor - Construction Worker or Excavation Worker Activities**

### B. Calculation of Intake Factor for Inhalation Pathway

An intake factor is not calculated for the inhalation pathway. The target concentration attributable to the inhalation pathway is calculated directly for each exposure scenario using chemical specific reference concentrations (RfC) or Inhalation Unit Risk (IUR) for non-cancer and cancer endpoints, respectively. The target concentration is adjusted only for exposure duration and exposure frequency and is dependent on the fraction of soil contaminated and the calculated VF and PEF values (See Equation 6).

| Recommended Standard Default Single Point Value Exposure Factors | |
|---|---|
| **Exposure Parameters** | **Construction or Excavation Worker Activities** |
| Fraction inhaled (FI) (unitless) | 1 |
| Exposure frequency (EF) (days/year)** | 20 |
| Exposure duration (ED) (years) | 1 |
| Averaging Time (AT) (days) | |
| Noncarcinogens | 365 |
| Carcinogens | 25550 |
| Volatilization Factor (VF) ($m^3$/kg) | 5.92E+07 |
| Particulate Emissions Factor (PEF) ($m^3$/kg) | 4.90E+06 |

OEPA. 2008. Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures. The Voluntary Action Program. Division of Emergency and Remedial Response. August 2008.

**ORNL Risk Assessment Information System (RAIS) Preliminary Remediation Goals (PRGs) for Chemicals User's Guide http://rais.ornl.gov/tools/rais_chemical_prg_guide.html Accessed 9/8/2010.


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## APPENDIX A
## DERIVATION OF SITE-SPECIFIC CONSTRUCTION/EXCAVATION WORKER STANDARD

**Table E**
**Calculation of Volatilization Factor**

**Equation 1. Calculation of Apparent Diffusivities ($D_A$)** [8]

$$D_A = \frac{\left[ \left( \theta_a^{3.33} \times D_i \times H' \right) + \left( \theta_w^{3.33} \times D_w \right) \right] + n^2}{\rho_b K_d + \theta_w + \theta_a H'}$$

Where:

| | | |
|---|---|---|
| $D_A$ | = | Apparent diffusivity ($cm^2/s$) |
| $\theta_a$ | = | Air filled soil porosity ($L_{air}/L_{soil}$) (0.28) [8] |
| $D_i$ | = | Diffusivity in air ($cm^2/s$) (chemical specific) |
| H' | = | Henry's Law Constant (dimensionless) (chemical specific) |
| $\theta_w$ | = | Water filled soil porosity ($L_{water}/L_{soil}$) (0.15) [8] |
| $D_w$ | = | Diffusivity in water ($cm^2/s$) (chemical specific) |
| n | = | Total soil porosity ($L_{pore}/L_{soil}$) (0.43) [8] |
| $\rho_b$ | = | Dry soil bulk density ($g/cm^3$) (1.5) [8] |
| $K_d$ | = | Soil to water partition coefficient ($cm^3/gm$) |

**Equation 2. Calculation of Volatilization Factor (VF)** [8]

$$VF = \frac{Q}{C} \times \frac{(3.14 \times D_A \times T)^{1/2}}{(2 \times \rho_b \times D_A)} \times 10^{-4}$$

Where:

| | | |
|---|---|---|
| VF | = | Volatilization Factor ($m^3/kg$) |
| Q/C | = | Inverse of the mean concentration at center of square source ($g/m^2$-s per $kg/m^3$) (83.22, assuming a 0.5 acre area and Cleveland, Ohio climatic constants) [8] |
| $D_A$ | = | Apparent diffusivity ($cm^2/s$) (from Equation 1) |
| T | = | Exposure Interval (specific to each exposure scenario) |
| $\rho_b$ | = | Dry soil bulk density ($g/cm^3$) (1.5) [8] |

OEPA. 2008. Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures. The Voluntary Action Program. Division of Emergency and Remedial Response. August 2008.

| Calculation of Apparent Diffusivity | |
|---|---|
| **Parameters** | **Construction or Excavation Worker Activities** |
| $K_{oc}$ | 3.09E+05 |
| $f_{oc}$ | 0.02 |
| $Kd = K_{oc} \times f_{oc}$ ($cm^3/gm$) | 6.18E+03 |
| H' | 1.70E-02 |
| T (yrs) | 1 |
| T (s) | 31536000 |
| $D_i$ (cm2/s) | 2.22E-02 |
| $D_w$ (cm2/s) | 8.00E-06 |
| $D_A$ ($cm^2/s$) | 2.17398E-13 |

| Calculation of Volatilization Factor | |
|---|---|
| **Parameters** | **Construction or Excavation Worker Activities** |
| $D_A$ ($cm^2/s$) | 2.17398E-13 |
| Q/C ($g/m^2$-s per $kg/m^3$) | 83.22 |
| T (s) | 31536000 |
| VF ($m^3/kg$) | 5.92E+07 |


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# ATTACHMENT I
# GROUNDWATER TRAVEL TIME

## Groundwater Travel Time

In order to determine an appropriate monitoring period, the travel time of the groundwater was predicated as follows:

$$t = {}^{X}/_{v} = {}^{X}/_{\left(\frac{K * i}{\theta T}\right)} = {}^{8{,}380\text{ cm}}\Bigg/\left(\frac{12{,}096\frac{cm}{day} * 0.001\frac{cm}{cm}}{0.43\frac{cm3}{cm3}}\right) = 299\text{ days}$$

Where:

- $t$ = Time for groundwater to travel from source area (MW-67) to the Site boundary (days)
- X = Distance from a source to the Site boundary measured parallel to groundwater flow (centimeter [cm]); 8,380 cm
- $i$ = Hydraulic gradient (centimeters per centimeter [cm/cm]); 0.001 (CRA, 2006[a]).
- $v$ = Average linear velocity
- K = Aquifer hydraulic conductivity (centimeters per day [cm/day]); 1.4E-01cm/s – upper aquifer = 12,096 cm/day (CRA, 2006[a]).
- $\theta_T$ = Total soil porosity (cubic centimeters per cubic centimeters [$cm^3/cm^3$] soil); 0.43 (ASTM RBCA default).

Therefore, it is proposed that six monitoring events (i.e., 3 years of bi-annual monitoring) will be completed to demonstrate that PCBs originating from AOI 36 are not migrating off the Site.

[a] Conestoga-Rovers and Associates, Inc. 2006. *Resource Conservation and Recovery Act (RCRA) Facility Investigation Report, General Motors Corporation Former Delphi Harrison Thermal Systems, Dayton, Ohio.* March 30, 2006.