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March 14, 2011

Mr. Steven L. Renninger
On-Scene Coordinator
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U.S. Environmental Protection Agency Region V
26 West Martin Luther King Drive, Office G-41
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Subject: **Multi-Service Site Assessment Report**
Dayton, Montgomery County, Ohio
Technical Direction Document No.: S05-0001-1101-003
WESTON START Contract No.: EP-S5-06-04
Document Control No.: 1344-2A-ALVJ

Dear Mr. Renninger:

The Weston Solutions, Inc. (WESTON®), Superfund Technical Assessment and Response Team (START) is submitting the enclosed site assessment report for the Multi-Service Site in Dayton, Montgomery County, Ohio. If you have any questions or comments regarding the report or require additional copies, please contact me at (513) 703-3092.

Sincerely,
WESTON SOLUTIONS, INC.

John Sherrard
WESTON START Project Manager

Enclosure

cc: WESTON START DCN File

SITE ASSESSMENT REPORT
FOR THE
MULTI-SERVICE SITE
DAYTON, MONTGOMERY COUNTY, OHIO
SITE ID NO. C508

NPL STATUS: NON-NPL

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V
Emergency Response Branch
26 West Martin Luther King Drive, Office G-41
Cincinnati, OH 45268

Prepared by:

WESTON SOLUTIONS, INC.
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WESTON START Project Manager:	John Sherrard
Telephone No.:	(513) 703-3092
U.S. EPA On-Scene Coordinator:	Steven L. Renninger

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Prepared by: _____ Date: March 14, 2011
John Sherrard
WESTON START Project Manager

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LIST OF ACRONYMS AND ABBREVIATIONS

°F	Degree Fahrenheit
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	*Code of Federal Regulations*
Crown	Crown Solutions
DFD	Dayton Fire Department
DHWM	Division of Hazardous Waste Management
mg/L	Milligram per liter
MS	Multi-Service
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
Ohio EPA	Ohio Environmental Protection Agency
PCE	Perchloroethylene
PPE	Personal protective equipment
START	Superfund Technical Assessment and Response Team
SU	Standard unit
Task Force	Southern Ohio Environmental Crimes Task Force
TCLP	Toxicity Characteristic Leaching Procedure
TDD	Technical Direction Document
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
WESTON	Weston Solutions, Inc.

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1. INTRODUCTION

The United States Environmental Protection Agency (U.S. EPA) tasked the Weston Solutions, Inc. (WESTON®), Superfund Technical Assessment and Response Team (START) to assist U.S. EPA in performing a site assessment at the Multi-Service (MS) Site in Dayton, Montgomery County, Ohio (the Site). Specifically, under Technical Direction Document (TDD) No. S05-0001-1101-003, WESTON START was directed to perform the following activities:

- Compile available Site information
- Develop site-specific safety and field sampling plans
- Perform a site reconnaissance
- Collect tank, drum, pit, and container samples
- Procure analytical laboratory services
- Provide photographic documentation of the Site (see **Appendix A**)
- Validate analytical data (see **Appendix B**)
- Evaluate potential threats posed by the Site to human health and the environment
- Prepare and deliver this site assessment report

The site assessment was performed to evaluate Site conditions and possible threats to human health, public welfare, and the environment in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), Title 40 of the *Code of Federal Regulations* (40 CFR), Part 300.415(b)(2).

This site assessment report is organized into the following sections:

- **Introduction** – Provides a brief description of the objective and scope of the site assessment
- **Site Background** – Details the Site description and history
- **Site Assessment Activities** – Discusses Site observations and sampling methods and procedures used during the site assessment
- **Analytical Results** – Discusses analytical results for samples collected during the site assessment

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- **Threats to Human Health and the Environment** – Identifies conditions at the Site that warrant a removal action under the NCP
- **Conclusions** – Summarizes the site assessment findings, and presents conclusions based on these findings

Figures and tables are presented after the conclusions section. **Appendix A** provides photographic documentation of Site conditions and activities during the site assessment, and **Appendix B** provides the data validation report and validated analytical results for samples collected during the site assessment.

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2. SITE BACKGROUND

This section discusses the Site description and history.

2.1 SITE DESCRIPTION

The Site is located at 1962 Radio Road in Dayton, Montgomery County, Ohio. The geographical coordinates for the Site are 39° 46' 18.336" North latitude and 84° 7' 45.984" West longitude. **Figure 2-1** shows the site location. The Site is located on 7.121 acres in an industrial park in northeastern Dayton. The Site contains a 27,589-square-foot building that formerly housed an industrial laundry and dry cleaning facility. **Figure 2-2** shows the Site layout. The Site is bordered to the north and east by the Five Rivers Metro Parks bike path and a parking lot; to the south by a wooded property; and to the west by an open lot used by a tree service company for wood storage. Commercial businesses are located within 500 feet of the Site, and the closest residences are located 300 feet south and 400 feet north of the Site. The Site is also located approximately 1 mile southeast of the Mad River.

2.2 SITE HISTORY

The MS facility operated at the Site from the mid-1990s to March 2010 and laundered industrial work gloves, rags, ink towels and shop towels. The dry cleaning process used a perchloroethylene (PCE)-based solvent known as "360 Solvent" with a flashpoint of 105 degrees Fahrenheit (°F).

In 2002, the MS facility had ongoing discharge violations to the City of Dayton's sanitary sewer.

In 2003, 2004, and 2005, the Southern Ohio Environmental Crimes Task Force (Task Force) covertly sampled the MS facility's discharge and determined that the MS facility was discharging flammable liquids to the sewer. The Task Force also uncovered additional hazardous waste violations during its investigation.

As a result of the Task Force investigations, in August 2006, Mel Tatman, owner of the MS facility, pled guilty to felony and misdemeanor charges related to the discharge into the sewer and transportation of hazardous waste. The MS facility was fined $20,000 and placed on 2-year

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probation. Mr. Tatman was sentenced to 2 years probation, the first 6 months of which consisted of in-home confinement; fined $5,000; and ordered to serve 100 hours of community service.

Based on the Ohio Environmental Protection Agency's (Ohio EPA) Division of Surface Water concerns regarding waste management at the Site, in May 2009, the Ohio EPA's Division of Hazardous Waste Management (DHWM) conducted a compliance assistance inspection at the Site. At that time, the MS facility was not exceeding the 90-day storage limit for hazardous wastes stored in totes. Subsequent hazardous waste inspections were conducted on June 4 and 15, 2009. Based on these inspections, it was determined that the MS facility was exceeding the 90-day storage limit for hazardous waste.

Additional inspections revealed that the MS facility also was exceeding the 90-day storage limit for hazardous waste stored in a 6,300-gallon tank located outside of the building. The outdoor Hazardous Waste Storage Tank did not have proper secondary containment. Access to the tank was limited by the design of the containment wall. The tank had not been cleaned out since 2008.

Throughout 2009 and 2010, the MS facility continued to violate the 90-day storage limit for hazardous waste. The Ohio EPA DHWM referred the MS facility for enforcement in October 2009. The Ohio EPA Director's Draft Findings and Orders were sent to the MS facility in February 2010.

During inspections at the Site on January 12 and 21, 2010, the Ohio EPA DHWM observed a leaking hazardous waste drum that had been documented during earlier inspections. The leak from the drum was corrected during an inspection on January 27, 2010. During Site inspections on April 7 and 21 and May 5, 2010, another leaking drum was observed, but no corrective actions were taken until the drum was shipped off site on May 28, 2010.

Crown Solutions (Crown) operated the MS facility's wastewater treatment unit. Crown met with Mr. Tatman on March 5, 2010. During the meeting, Mr. Tatman informed Crown that MS was filing for bankruptcy. Crown subsequently contacted the Ohio EPA to explain that Crown no longer operated the wastewater treatment unit at the MS facility and was discontinuing its business with MS. According to Crown, MS attempted to operate the wastewater treatment unit on its own the

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previous week and had caused a pipe to break, releasing waste onto the floor around the equalization tanks. This situation prompted Crown to remove equipment from the wastewater treatment unit to prevent the unit from being operated on March 9, 2010. The City of Dayton rescinded MS's discharge permit on March 15, 2010.

Due to inaction by the MS facility and rumors of bankruptcy, the Ohio EPA referred the MS facility to the Attorney General's Office for enforcement. On April 16, 2010, the Attorney General's Office met with MS in an attempt to obtain compliance. During the meeting, Mr. Tatman provided financial information detailing the expenses owed by MS.

On April 20, 2010, MS hired Mike's Sanitation to pump out waste from the wastewater treatment unit and associated tanks. On April 22, 2010, the Ohio EPA sampled wastes from the two equalization tanks (#1 and #2), the Chemical Mixing Tank, the Wastewater Treatment Pit, and the wastewater treatment unit. Samples from Equalization Tank #2, the Chemical Mixing Tank, and the Wastewater Treatment Pit had flashpoints of 137, 132, and 131 °F, respectively, indicating that the tank contents were ignitable hazardous wastes. In addition, a liquid sample from the Chemical Mixing Tank had a Toxicity Characteristic Leaching Procedure (TCLP) PCE concentration of 30 milligrams per liter (mg/L), which exceeds the TCLP PCE regulatory limit of 0.7 mg/L, thus indicating that the tank contained a toxic waste.

On May 26, 27, and 28, 2010, Clean Harbors transported 49 totes and 22 drums off site for disposal. Ohio EPA records indicate that no additional wastes have been transported off the site since the May 2010 shipment.

In April 2010, JP Morgan Chase initiated foreclosure against MS but to date has not finalized the foreclosure action. In August 2010, Mr. Tatman filed for personal bankruptcy.

On November 23, 2010, the Ohio EPA accompanied the Dayton Fire Department (DFD) on an inspection of the MS facility. The DFD was concerned about the storage of flammable materials and a non-operational fire suppression system at the Site.

On November 24, 2010, the DFD issued a Notice of Violation to Mr. Tatman and the MS facility,

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ordering the removal of all flammable and combustible materials from the Site.

On December 14, 2010, the DFD met with Mr. Tatman at the Site to conduct an inspection and verify that the fire suppression system was properly shut down. The DFD gave Mr. Tatman 90 days to develop an action plan for the removal of flammable and combustible materials from the Site. During the inspection, the DFD observed liquid leaking from a solvent tank in the Tank Room.

In a letter dated January 7, 2011, the DFD formally requests assistance from the U.S. EPA to determine if the Site meets the criteria for a time-critical removal action.

In a letter dated January 24, 2011, the Ohio EPA formally requests assistance from the U.S. EPA to determine if the Site meets the criteria for a time-critical removal action. According to the Ohio EPA, since cessation of operations at the Site in March 2010, all on-site tanks are now considered waste tanks. Also according to the Ohio EPA, tanks associated with the solvent recovery process located in the Tank Room contained dirty solvent presumed to be ignitable. One of these tanks leaked waste solvent to a depth of approximately 2 inches in the Tank Room. In addition, three tanks associated with the wastewater treatment unit contained ignitable wastes.

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3. SITE ASSESSMENT ACTIVITIES

On January 27, 2011, U.S. EPA and WESTON START conducted a site assessment to document Site conditions and evaluate the Site for a potential time-critical removal action. The Site observations and sampling activities are discussed below. **Appendix A** provides photographic documentation of Site conditions and activities during the site assessment.

3.1 SITE OBSERVATIONS

On January 25, 2011, the U.S. EPA On-Scene Coordinator tasked WESTON START to meet with Ohio EPA and DFD representatives and Mr. Tatman (former owner of the MS facility) to conduct a Site walkthrough to assess Site conditions and gather general information needed to prepare a site-specific investigation safety plan. The walkthrough confirmed Site conditions documented during previous Ohio EPA assessments and inspections.

On January 27, 2011, U.S. EPA and WESTON START mobilized to the Site and met with Ohio EPA representatives Jim Crawford and Dave Combs to conduct the site assessment. Personnel at the Site reviewed and signed the site-specific health and safety plan. WESTON START's observations are summarized below.

During the site assessment, WESTON START observed that the Site was abandoned and that utilities had been shut off to the Site. WESTON START observed a fence extending from the sides of the on-site building in the front along the property boundaries on the east and west sides of the Site and ending in woods south of the building. Site access was available through the woods, and according to Ohio EPA, the building had been vandalized in the past.

Upon entering the on-site building through the main entrance, WESTON START observed MS offices, a laundry folding area, a storage area, dry cleaning machines, a Tank Room, regular laundry machines, a Wastewater Treatment Area, a Tool Room, and a Boiler Room. **Figure 3-1** shows Site features observed in the on-site building. The two rows of dry cleaning machines were located in the southeastern area of the building. Each row of dry cleaning machines and associated overflow

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tanks/distillation units were mounted over a containment trench in the building floor. The Site owner had stated that the two trenches each were designed to contain 110 percent of the total solvent content of all the machines mounted over each trench. A drain at the low point of each trench directed spills to a 400-gallon sump in the Tank Room west of the dry cleaning machines.

The Tank Room in the southwest corner of the building served as the waste accumulation area for dry cleaning operations. Several tanks in the Tank Room were used to store and recover dry cleaning solvents. WESTON START observed two 13,000-gallon and one 1,268-gallon storage tank used to store clean and dirty solvent. In addition, a 3,804-gallon tank in the Tank Room stored used oil generated from materials that had not yet been laundered. WESTON START observed that the sump in the middle of the Tank Room was overflowing with water, and a thin solvent layer was present on the water surface. Also, one storage tank in the Tank Room had apparently leaked its contents onto the floor.

The south-central portion of the building contained two rows of regular washing machines and dryers. All regular laundry washwater was sent to the on-site wastewater treatment unit. The wastewater treatment unit contained two 22,000-gallon equalization tanks (#1 and #2); one 3,000-gallon Chemical Mixing Tank; and a 5,800-gallon Wastewater Treatment Pit. The Ohio EPA stated that the wastewater treatment unit generated an ignitable (D001) hazardous waste sludge and that the sludge currently was stored in a 6,300-gallon Hazardous Waste Storage Tank located outside of the building. The Ohio EPA also stated that the sludge material could not be sampled because it had hardened inside the tank.

During the site assessment, WESTON START observed a total of eight tanks (see **Figure 3-1**). Approximately 50 55-gallon drums, totes, and containers having volumes of 5 gallons or less also were observed throughout the building. Numerous tanks, drums, totes, and containers were uncovered and deteriorating, with contents spilled onto the floor. WESTON START observed that a few of the drums, totes, and containers were labeled as “Stoddard Solvent,” “Corrosive,” and “Flammable Liquid.” The Tool Room also contained aerosol spray paint cans.

Outside the building, WESTON START also observed a small structure located just inside the gate

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on the west side of the Site. The structure was open on the two sides and stored rags in containers and totes. In addition, the Site contained numerous box trucks and trailers, some storing containers of dirty rags.

3.2 SAMPLING ACTIVITIES

To evaluate if the Site poses a threat to human health, public welfare, and the environment, WESTON START collected 10 liquid, 1 sludge and liquid, and 2 solid waste samples from various tanks, totes, drums, pits, containers and from the trenches beneath the dry cleaning machines. **Table 3-1** summarizes the investigative waste samples collected from the Site. Sampling activities were conducted in Level B personal protective equipment (PPE) with self-containing breathing apparatuses in accordance with the approved site-specific health and safety plan. Each sample is described below.

Sample MS-1 consisted of clear liquid from a 250-gallon tote labeled "Stoddard Solvent." The tote was located in the eastern portion of the building just north of the Tank Room. Samples MS-2 and MS-4 consisted of dark liquids from overflow container/distillation units next to the dry cleaning machines. Sample MS-3 consisted of dark liquid from a 3,804-gallon tank in the Tank Room (Tank 4 in **Figure 3-1**) labeled "Used Oil." Sample MS-5 consisted of dark liquid from a container in the Tool Room labeled "Cutting Fluid." Sample MS-6 consisted of clear liquid from a 250-gallon tote labeled "Corrosive." Sample MS-7 consisted of dark liquid from a 3,000-gallon tank (Tank 7 in **Figure 3-1**) labeled "Chemical Mixing Tank." Sample MS-8 consisted of clear liquid from a 1-liter plastic container labeled "NaOH." The container was discovered on a table next to the wastewater treatment area. Sample MS-9 consisted of dark liquid and sludge from the 5,800-gallon Wastewater Treatment Pit. Sample MS-10 consisted of clear liquid from a 55-gallon drum labeled "Corrosive" west of the regular laundry machines. Sample MS-11 consisted of white solid from a 5-pound bag in the Boiler Room labeled "Citric Acid." Sample MS-12 consisted of clear liquid from an unlabeled 1-liter glass jar in the Tool Room. Sample MS-13 consisted of a composite sample of dark solids in the trenches beneath the dry cleaning machines.

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Fresh sampling gloves were donned before sampling activities began at each new sampling location as necessary. Liquid samples were collected either using disposable plastic coliwasa samplers or by pouring the liquid sample into glass sample jars if the sampled container size was 5 gallons or less. The liquid and sludge sample from the Wastewater Treatment Pit was collected using a clean glass jar duct-taped to a plastic pipe. Solid waste samples were collected using disposable polyethylene scoops. All samples were submitted under chain of custody to ALS Laboratories of Cincinnati, Ohio, under analytical TDD No. S05-0001-1101-004, for the following combination of analyses: flashpoint, pH, TCLP volatile organic compounds (VOC), and total VOCs. WESTON START requested a turnaround time of 5 business days. Section 4 discusses the analytical results.

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4. ANALYTICAL RESULTS

WESTON START collected 10 liquid, 1 sludge and liquid, and 2 solid waste samples from the Site for analysis by ALS Laboratories in Cincinnati, Ohio. Liquid waste samples MS-1 through MS-5, MS-7, and MS-12 and sludge and liquid waste sample MS-9 were analyzed for flashpoint using U.S. EPA Method E1010. Liquid waste samples MS-6, MS-8, and MS-10 and solid waste sample MS-11 were analyzed for pH using U.S. EPA Methods 9040B and 9045C. Liquid waste samples MS-2 through MS-4 and MS-7, sludge and liquid waste sample MS-9, and solid waste sample MS-13 were analyzed for TCLP VOCs using U.S. EPA Methods 1311 and 8260. Liquid waste samples MS-2 through MS-4 and MS-7 and sludge and liquid waste sample MS-9 were analyzed for total VOCs using U.S. EPA Method 8260. **Table 4-1** summarizes the waste sample analytical results. **Appendix B** provides the data validation report and validated laboratory analytical results for the samples.

Analytical results for ignitability, corrosivity, and toxicity and were compared to the hazardous waste criteria outlined in 40 CFR, Part 261, Subpart C. Laboratory analytical results for the waste samples are summarized below.

- **Ignitability – Flashpoint:** The flashpoint results for investigative liquid waste samples MS-1, MS-2, MS-4, MS-7, and MS-12 were all less than or equal to 140 °F. Four of the results were less than 140 °F. Therefore, according to 40 CFR 261.21, these liquid waste samples represent materials that meet the definition of hazardous waste by virtue of the characteristic of ignitability.
- **Corrosivity - pH:** The pH result for investigative liquid waste sample MS-10 exceeded 12.5 standard units (SU), and the pH result for investigative solid waste sample MS-11 was less than 2.0 SUs. Therefore, according to 40 CFR 261.22, these two waste samples represent materials that meet the definition of hazardous waste by virtue of the characteristic of corrosivity.
- **Toxicity - TCLP Metals:** Liquid waste sample MS-7 contained a TCLP PCE concentration of 53 mg/L, which exceeds the TCLP PCE regulatory limit of 0.7 mg/L. Therefore, according to 40 CFR 261.24, this liquid waste sample represents a material that meets the definition of hazardous waste by virtue of the characteristic of toxicity.

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5. THREATS TO HUMAN HEALTH AND THE ENVIRONMENT

Factors to be considered when determining the appropriateness of a potential removal action at a site are delineated in the NCP at 40 CFR 300.415(b)(2). The factors applicable to the Site are summarized below.

- **Actual or potential exposure of nearby human populations, animals, or the food chain to hazardous substances or pollutants or contaminants**

  During the site assessment conducted on January 27, 2011, WESTON START documented abandoned chemical wastes in tanks, totes, and containers of flammable liquids; drums and containers of caustic and corrosive wastes; and a tank containing TCLP PCE waste liquid. Flashpoint analytical results for investigative waste samples MS-1, MS-2, MS-4, and MS-12 were less than 140 °F, indicating that these samples represent materials with the characteristic of a hazardous waste for ignitability (D001). The pH result for investigative liquid waste sample MS-10 was 13 SUs, and the pH result for investigative solid waste sample MS-11 was 1.6 SUs. These results exceed 12.5 SUs and are less than 2.0 SUs. Therefore, according to 40 CFR 261.22, these two waste samples represent materials that meet the definition of hazardous waste by virtue of the characteristic of corrosivity (D002). Liquid waste sample MS-7 contained a TCLP PCE concentration of 53 mg/L, which exceeds the TCLP PCE regulatory limit of 0.7 mg/L. Therefore, according to 40 CFR 261.24, this liquid waste sample represents a material that meets the definition of hazardous waste by virtue of the characteristic of toxicity (D004).

  In addition, on April 22, 2010, the Ohio EPA sampled the liquid contents of Equalization Tank #2, the Chemical Mixing Tank, and the Wastewater Treatment Pit and documented flashpoint results of 137, 132, and 131 °F, respectively, indicating the characteristic of a hazardous waste for ignitability (D001). A liquid sample from the Chemical Mixing Tank had a TCLP PCE concentration of 30 mg/L, which exceeds the TCLP PCE regulatory limit of 0.7 mg/L, thus indicating that the tank contained a toxic waste (D004).

  PCE is "hazardous substance" as defined by Section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Title 42 of the *United States* Code, Section 9601(14). The Agency for Toxic Substances and Disease Registry has studied the toxicological effects of PCE. High concentrations of PCE (especially in closed, poorly ventilated areas) can cause dizziness, headache, sleepiness, confusion, nausea, difficulty speaking and walking, unconsciousness, and death. Irritation may result from repeated or extended skin contact with PCE. The Department of Health and Human Services has determined that PCE may reasonably be anticipated to be a carcinogen. PCE has been shown to cause liver tumors in mice and kidney tumors in male rats.

  Commercial businesses are located within 500 feet of the Site, and residences are located within 300 feet of the Site. During the site assessment, the Site was locked and partially fenced. However, despite the restricted access to the Site, trespassing may still occur. Therefore, an accidental or intentional release of hazardous material and contact with

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hazardous materials are possible. The close proximity of residences and commercial businesses to the Site greatly increases the likelihood of human health and environmental impacts if a release occurs. Drums and tanks were observed to be in deteriorated condition during the site assessment, and waste was spilled on the floor at many locations, including next to floor drains. The tanks and drums observed inside the building during the site assessment had little to no secondary containment. The sump in the Tank Room was full and overflowing from a leaking waste solvent tank. Potential exposure to hazardous substances at the Site could cause imminent endangerment of human health and the environment.

- **Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release**

  During the site assessment, WESTON START observed and documented the presence of eight tanks; a pit; a sump; and approximately 50 drums, totes, and small containers (5 gallons or less) at the Site. WESTON START sampling results confirmed the presence of ignitable, corrosive, and toxic (TCLP PCE) hazardous wastes at the Site. Numerous tanks, drums, totes, and containers were observed to be in deteriorated condition during the site assessment, and waste was spilled on the floor at many locations, including next to floor drains. The tanks and drums observed inside the building during the site assessment had little to no secondary containment. The sump in the Tank Room was full and overflowing from a leaking waste solvent tank. Continued deterioration of the on-site containers could allow additional quantities of hazardous substances to migrate to the environment.

- **Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released**

  Southwestern Ohio receives a substantial amount of precipitation during spring, and winter temperatures are normally below freezing, with regular snowfall. Weather conditions will contribute to the further deterioration of the building. The building is abandoned, and utilities have been turned off. Freezing and thawing of the contents in the tanks, drums, totes, and containers could result in the migration or release of hazardous substances.

- **Threat of fire or explosion**

  Site assessment analytical results indicate that materials in tanks, totes, and containers at the Site were flammable wastes and pose a threat of fire or explosion. Site assessment flashpoint results for four samples and Ohio EPA flashpoint results for three samples were below 140 °F, indicating that these samples represent materials with the characteristic of a hazardous waste for ignitability (D001). In addition, one sample collected during the site assessment had a flashpoint of 140 °F. These results indicate that the samples represent materials that pose a threat of fire or explosion. If a fire or explosion occurs, contaminants could become airborne and may affect the nearby population.

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- **The availability of other appropriate federal or state response mechanisms to respond to the release**

  The Ohio EPA does not have the resources to respond to conditions at the Site. In a letter dated January 24, 2011, the Ohio EPA formally requests assistance from U.S. EPA to determine if the Site meets the criteria for a time-critical removal action.

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6. CONCLUSIONS

During the site assessment, WESTON START observed and documented the presence of eight tanks; a pit; a sump; and approximately 50 drums, totes, and small containers (5 gallons or less) at the Site. WESTON START collected 10 liquid, 1 sludge and liquid, and 2 solid waste samples from the Site from tanks, drums, totes, pits, containers and a trench at the Site. Based on analytical results for samples collected during the site assessment, the tanks, drums, totes, and containers contain flammable liquids, caustic liquids, corrosive solids, and toxic liquid wastes.

Hazardous wastes identified at the Site exhibit the following characteristics:

- Ignitability
- Corrosivity
- Toxicity (TCLP PCE [D039])

Based on the analytical results and Site conditions observed during the site assessment, the Site meets all five criteria for a removal action pursuant to 40 CFR 300.415(b)(2). Therefore, the Site poses an imminent and substantial threat to human health, public welfare, and the environment.

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FIGURES

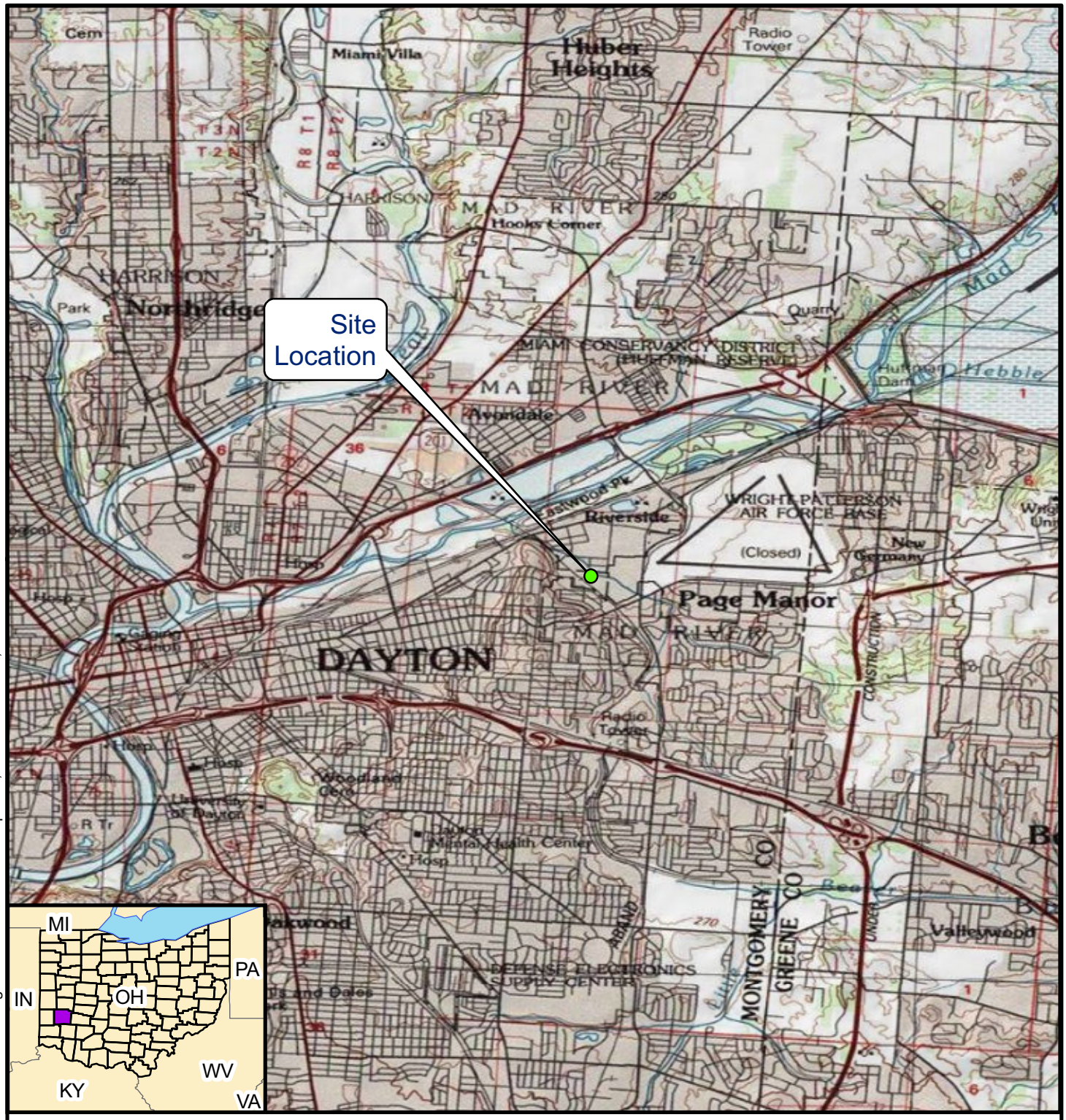

Image Source:
National Geographic Society

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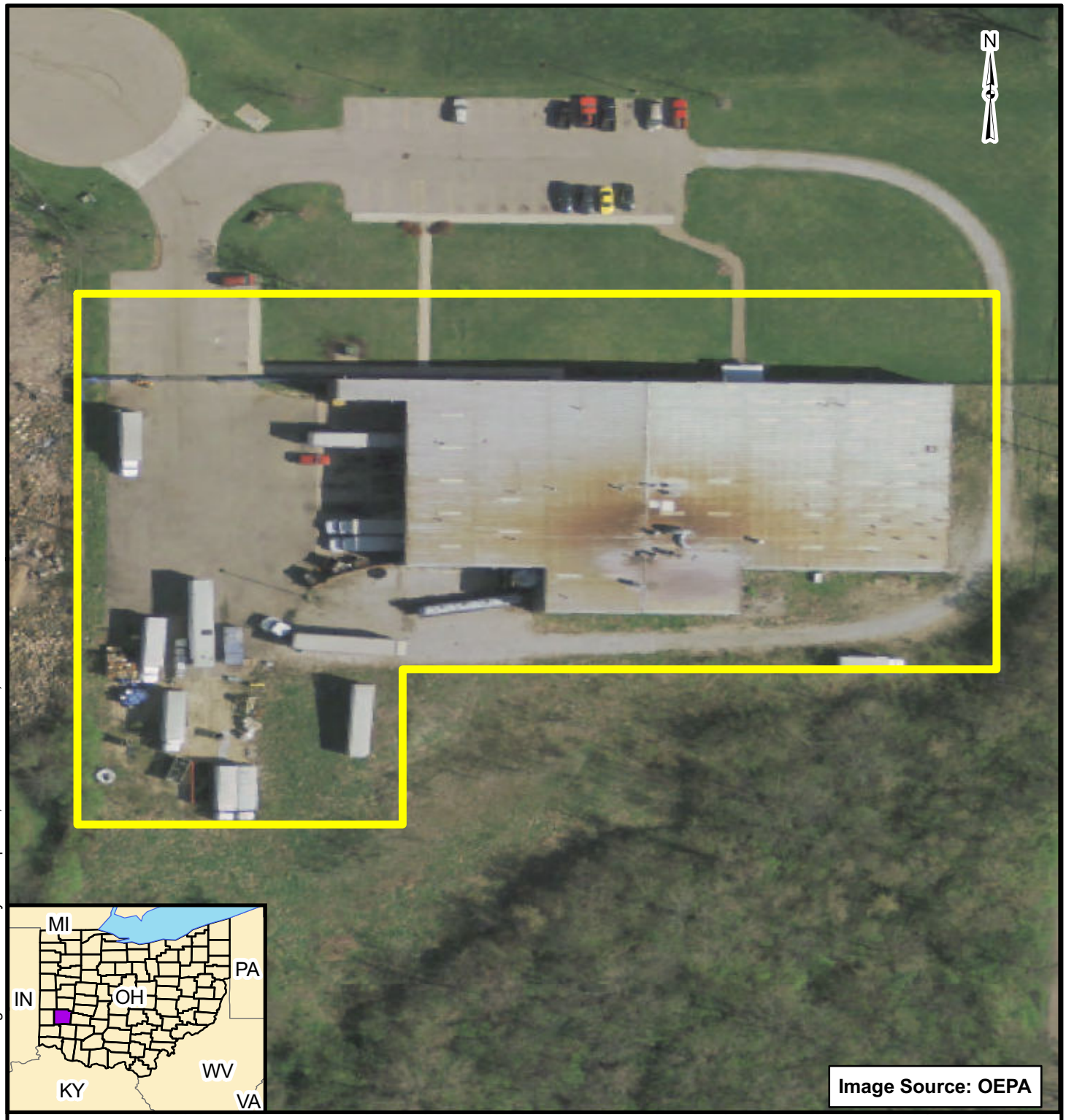
0 0.5 1 Miles

Prepared for:
U.S. EPA Region 5
Contract No: EP-S5-06-04
TDD No.: S05-0001-1101-003
DCN: 1344-2A-ALVJ

Weston Solutions, Inc.
4710-A Interstate Drive
Cincinnati, OH 45246

Figure 2-1
Site Location Map
Multi-Service Site
Dayton, Montgomery County, Ohio

File: C:\START Project Files\Multi-Service\GIS\mxd\Figure 2-1 Site Location Map.mxd, 04-Mar-11 12:11, kirklanr



File: C:\START Project Files\Multi-Service\GIS\mxd\Figure 2-2 Site Layout Map.mxd, 04-Mar-11 13:00, kirklanr

Legend

Site Boundary

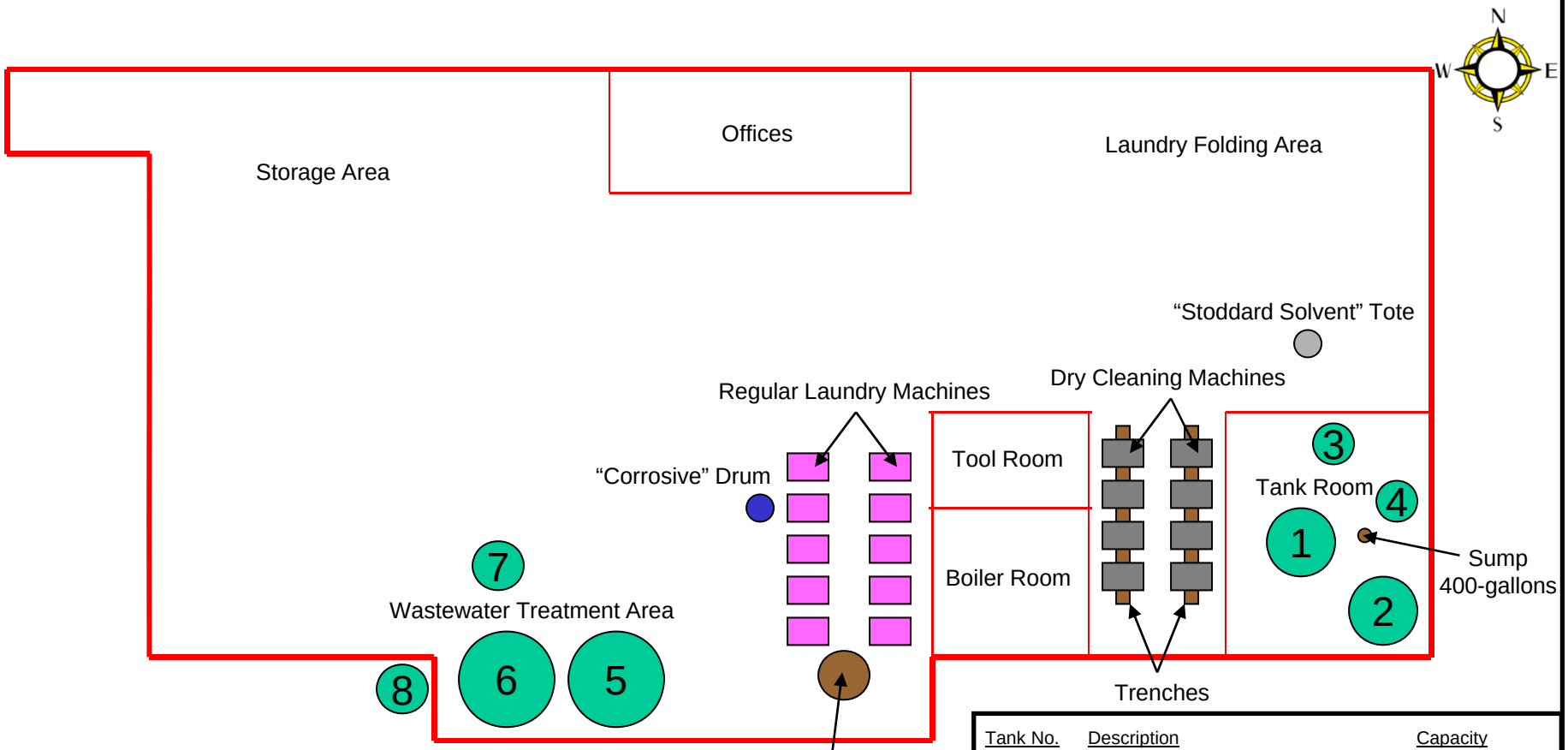
0 50 100 Feet

Prepared for:
U.S. EPA Region 5
Contract No: EP-S5-06-04

TDD No.: S05-0001-1101-003
DCN: 1344-4H-ALIV

Weston Solutions, Inc.
4710-A Interstate Drive
Cincinnati, OH 45246

Figure 2-2
Site Layout Map
Multi-Service Site
Dayton, Montgomery County, Ohio



Tank No.	Description	Capacity
1	Dirty Solvent Tank	13,000-gallons
2	Clean Solvent Tank	13,000-gallons
3	Clean Solvent Receiver Tank	1,268-gallons
4	Used Oil Holding Tank	3,804-gallons
5	Equalization Tank #1	22,000-gallons
6	Equalization Tank #2	22,000-gallons
7	Chemical Mixing Tank	3,000-gallons
8	Hazardous Waste Storage Tank	6,300-gallons

Figure 3-1

Prepared for:
U.S. EPA. REGION V
Contract No: EP-S5-06-04

TDD No.: S05-0001-1101-003
DCN: 1344-2A-ALVJ

Prepared by:
WESTON SOLUTIONS, INC.
4710-A Interstate Drive
Cincinnati, Ohio 45242

Site Features Map
Multi-Service Site
Dayton, Montgomery County, Ohio
Scale: Not to Scale

TABLES

Table 3-1
Waste Sample Summary
Multi-Service Site
Dayton, Montgomery County, Ohio

Field Sample ID No.	Sampling Date	Sample Type	Sampling Location	Analytical Parameter(s)
MS-1	1/27/2011	Grab, liquid field sample	250-gallon tote of clear liquid labeled "Stoddard Solvent"	Flashpoint
MS-2	1/27/2011	Grab, liquid field sample	Dry cleaning solvent overflow container/distillation unit containing dark liquid	TCLP VOCs, total VOCs, and flashpoint
MS-3	1/27/2011	Grab, liquid field sample	3,804-gallon tank in Tank Room (Tank 4 in Figure 3-1) of dark liquid labeled "Used Oil"	TCLP VOCs, total VOCs, and flashpoint
MS-4	1/27/2011	Grab, liquid field sample	Dry cleaning solvent overflow container/distillation unit containing dark liquid	TCLP VOCs, total VOCs, and flashpoint
MS-5	1/27/2011	Grab, liquid field sample	Container of dark liquid in Tool Room labeled "Cutting Fluid"	Flashpoint
MS-6	1/27/2011	Grab, liquid field sample	250-gallon tote of clear liquid labeled "Corrosive"	pH
MS-7	1/27/2011	Grab, liquid field sample	3,000-gallon tank (Tank 7 in Figure 3-1) of dark liquid labeled "Chemical Mixing Tank"	TCLP VOCs, total VOCs, and flashpoint
MS-8	1/27/2011	Grab, liquid field sample	1-liter plastic container of clear liquid next to Wastewater Treatment Area labeled "NaOH"	pH
MS-9	1/27/2011	Grab, sludge and liquid field sample	5,800-gallon Wastewater Treatment Pit containing dark sludge and liquid	TCLP VOCs, total VOCs, and flashpoint
MS-10	1/27/2011	Grab, liquid field sample	55-gallon drum of clear liquid labeled "Corrosive" west of regular laundry machines	pH
MS-11	1/27/2011	Grab, solid field sample	5-pound bag of white solids in Boiler Room labeled "Citric Acid"	pH
MS-12	1/27/2011	Grab, liquid field sample	Unlabeled 1-liter glass container of clear liquid in Tool Room	Flashpoint
MS-13	1/27/2011	Composite, solid field sample	Composite of trench solids beneath dry cleaning machines	TCLP VOCs

Notes:
ID = Identification
TCLP = Toxicity Characteristic Leaching Procedure
VOC = Volatile organic compound

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Table 4-1
Sampling Results Summary
Multi-Service Site
Dayton, Montgomery County, Ohio

Analysis	Regulatory Limit	Field Sample ID No.	MS-1	MS-2	MS-3	MS-4	MS-5	MS-6	MS-7
		Matrix	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
		Unit							
Flashpoint - Closed Cup	< 140	°F	**100**	**110**	> 212	**120**	>212	NA	140
pH	≤ 2 or ≥ 12.5 (liquids only)	Standard units	NA	NA	NA	NA	NA	3.8 H	NA
TCLP VOCs									
2-Butanone	200	mg/L	NA	ND (50)	ND (0.25)	ND (50)	NA	NA	ND (50)
PCE	0.7	mg/L	NA	ND (5.6)	ND (0.25)	ND (5.6)	NA	NA	**53**
Total VOCs									
1,1,2,2-Tetrachloroethane	NA	µg/L	NA	ND (13,000)	ND (1,300)	ND (13,000)	NA	NA	ND (13,000)
1,2,4-Trimethylbenzene	NA	µg/L	NA	92,000	10,000	750,000	NA	NA	9,700,000
1,3,5-Trimethylbenzene	NA	µg/L	NA	31,000 J	3,000 J	210,000	NA	NA	3,300,000
cis-1,2-Dichloroethene	NA	µg/L	NA	ND (5,700)	ND (570)	ND (5,700)	NA	NA	ND (5,700)
Ethylbenzene	NA	µg/L	NA	13,000 J	ND (680)	32,000 J	NA	NA	380,000
Isopropylbenzene	NA	µg/L	NA	ND (4,200)	ND (420)	22,000 J	NA	NA	400,000
m,p-Xylene	NA	µg/L	NA	53,000	ND (730)	140,000	NA	NA	1,800,000
Naphthalene	NA	µg/L	NA	49,000 J	140,000	1,000,000	NA	NA	600,000
n-Butylbenzene	NA	µg/L	NA	34,000 J	ND (370)	230,000	NA	NA	710,000
n-Propylbenzene	NA	µg/L	NA	ND (3,800)	ND (380)	110,000	NA	NA	1,400,000
o-Xylene	NA	µg/L	NA	15,000 J	ND (270)	86,000	NA	NA	690,000
p-Isopropyltoluene	NA	µg/L	NA	ND (2,000)	ND (200)	31,000 J	NA	NA	210,000
sec-Butylbenzene	NA	µg/L	NA	ND (1,600)	ND (160)	25,000 J	NA	NA	260,000
Styrene	NA	µg/L	NA	ND (4,900)	ND (490)	47,000 J	NA	NA	ND (4,900)
PCE	NA	µg/L	NA	ND (5,600)	ND (560)	ND (5,600)	NA	NA	53,000
Toluene	NA	µg/L	NA	170,000	ND (480)	130,000	NA	NA	370,000

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Table 4-1
Sampling Results Summary
Multi-Service Site
Dayton, Montgomery County, Ohio

Analysis	Regulatory Limit	Field Sample ID No.	MS-8	MS-9	MS-10	MS-11	MS-12	MS-13
		Matrix	Liquid	Sludge/Liquid	Liquid	Solid	Liquid	Solid
		Unit						
Flashpoint - Closed Cup	< 140	°F	NA	Not ignitable	NA	NA	**< 70**	NA
pH	≤ 2 or ≥ 12.5 (liquids only)	Standard units	12 H	NA	**13 H**	**1.6**	NA	NA
TCLP VOCs								
2-Butanone	200	mg/L	NA	0.35	NA	NA	NA	ND (0.25)
PCE	0.7	mg/L	NA	ND (0.25)	NA	NA	NA	ND (0.25)
Total VOCs								
1,1,2,3-Tetrachloroethane	NA	µg/kg	NA	26,000 J	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	µg/kg	NA	1,300,000	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	µg/kg	NA	430,000	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	µg/kg	NA	11,000 J	NA	NA	NA	NA
Ethylbenzene	NA	µg/kg	NA	86,000	NA	NA	NA	NA
Isopropylbenzene	NA	µg/kg	NA	38,000	NA	NA	NA	NA
m,p-Xylene	NA	µg/kg	NA	350,000	NA	NA	NA	NA
Naphthalene	NA	µg/kg	NA	56,000	NA	NA	NA	NA
n-Butylbenzene	NA	µg/kg	NA	51,000	NA	NA	NA	NA
n-Propylbenzene	NA	µg/kg	NA	200,000	NA	NA	NA	NA
o-Xylene	NA	µg/kg	NA	150,000	NA	NA	NA	NA
p-Isopropyltoluene	NA	µg/kg	NA	46,000	NA	NA	NA	NA
sec-Butylbenzene	NA	µg/kg	NA	ND (5,800)	NA	NA	NA	NA
Styrene	NA	µg/kg	NA	ND (5,900)	NA	NA	NA	NA
PCE	NA	µg/kg	NA	ND (5,800)	NA	NA	NA	NA
Toluene	NA	µg/kg	NA	310,000	NA	NA	NA	NA

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Table 4-1
Sampling Results Summary
Multi-Service Site
Dayton, Montgomery County, Ohio

Notes:

Shaded and bolded results exceed the hazardous waste regulatory limits in Title 40 of the *Code of Federal Regulations* , Part 261, Subpart C.

< = Less than
≤ = Less than or equal to
≥ = Greater than or equal to
°F = Degree Fahrenheit
µg/kg = Microgram per kilogram
µg/L = Microgram per liter
H = Analyzed outside of holding time
ID = Identification
J = Analyte detected below quantitation limit
mg/L = Milligram per liter
NA = Not analyzed
ND = Not detected above method reporting limit in parentheses
PCE = Perchloroethylene
TCLP = Toxicity Characteristic Leaching Procedure
VOC = Volatile organic compound

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APPENDIX A
PHOTOGRAPHIC DOCUMENTATION

Site: Multi-Service Site
Photograph No.: 1 **Date:** 1/5/11
Direction: Southeast **Photographer:** John Sherrard
Subject: Front of Multi-Service facility building

Site: Multi-Service Site
Photograph No.: 2 **Date:** 1/27/11
Direction: East **Photographer:** John Sherrard
Subject: WESTON START collecting investigative liquid waste sample MS-1, which had a flashpoint of 100 ºF

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Site: Multi-Service Site
Photograph No.: 3 **Date:** 1/27/11
Direction: South **Photographer:** John Sherrard
Subject: WESTON START collecting investigative liquid waste sample MS-2, which had a flashpoint of 110 ºF

Site: Multi-Service Site
Photograph No.: 4 **Date:** 1/27/11
Direction: East **Photographer:** John Sherrard
Subject: Solvent tanks in the Tank Room

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Site: Multi-Service Site
Photograph No.: 5 **Date:** 1/27/11
Direction: North **Photographer:** John Sherrard
Subject: Tote from which investigative liquid waste sample MS-6 was collected

Site: Multi-Service Site
Photograph No.: 6 **Date:** 1/27/11
Direction: South **Photographer:** John Sherrard
Subject: Chemical Mixing Tank from which investigative liquid waste sample MS-7 was collected; sample contained TCLP PCE at a concentration of 53 mg/L

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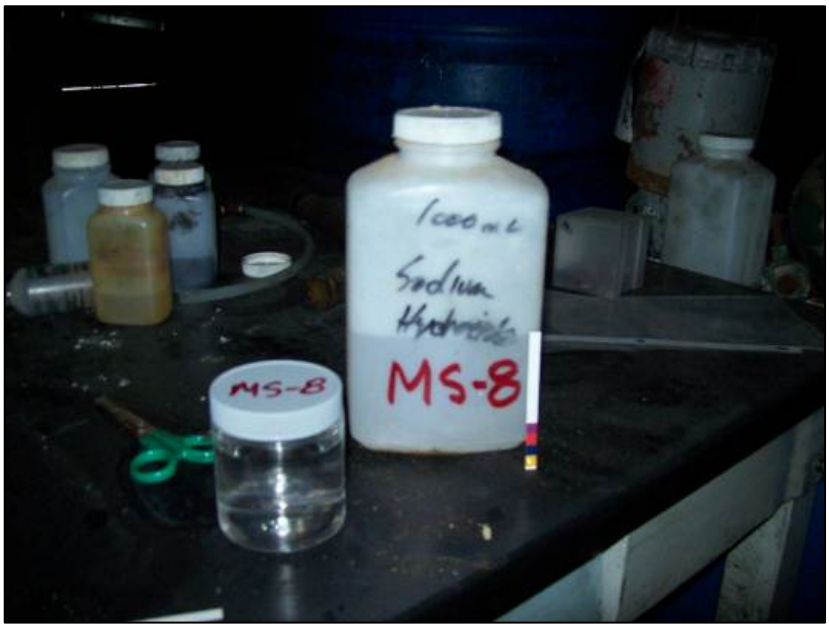

Site: Multi-Service Site
Photograph No.: 7 **Date:** 1/27/11
Direction: Down **Photographer:** John Sherrard
Subject: Container from which investigative waste liquid sample MS-8 was collected; sample had a pH of 12 SUs

Site: Multi-Service Site
Photograph No.: 8 **Date:** 1/27/11
Direction: Down **Photographer:** John Sherrard
Subject: Wastewater Treatment Pit from which investigative sludge and liquid waste sample MS-9 was collected

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Site: Multi-Service Site
Photograph No.: 9 **Date:** 1/27/11
Direction: Down **Photographer:** John Sherrard
Subject: Drum labeled "Corrosive" from which investigative liquid sample MS-10 was collected; sample had a pH of 13 SUs

Site: Multi-Service Site
Photograph No.: 10 **Date:** 1/27/11
Direction: Down **Photographer:** John Sherrard
Subject: Container from which investigative waste liquid sample MS-12 was collected; sample had a flashpoint of less than 70 ºF

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Site: Multi-Service Site
Photograph No.: 11 **Date:** 1/27/11
Direction: Down **Photographer:** John Sherrard
Subject: WESTON START collecting investigative solid waste sample MS-13 from trench beneath dry cleaning machines

Site: Multi-Service Site
Photograph No.: 12 **Date:** 4/20/10
Direction: South **Photographer:** Ohio EPA
Subject: Equalization Tank #2; Ohio EPA sample from this tank had a TCLP PCE concentration of 30 mg/L

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APPENDIX B
DATA VALIDATION REPORT AND VALIDATED ANALYTICAL RESULTS

MULTI-SERVICE SITE
DAYTON, OHIO
DATA VALIDATION REPORT

Date: March 7, 2011
Laboratory: ALS Environmental (ALS), Cincinnati, Ohio
Laboratory Project #: 1101543
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Analytical Work Order #/TDD #: 20405.016.001.1345.00/S05-0001-1101-004

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 13 waste samples collected for the Multi-Service Site that were analyzed for the following parameters and U.S. Environmental Protection Agency (U.S. EPA) methods:

- Total Volatile Organic Compounds (VOC) by SW-846 Method 8260
- Toxicity Characteristic Leaching Procedure (TCLP) Volatile Organic Compounds (VOC) by SW-846 Methods 1311 and 8260
- Ignitability by SW-846 Method 1010 and 1030
- Corrosivity by SW-846 Method 9040B and 9045C

A level II data package was requested from ALS. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Multi-Service Site
ALS Environmental
Laboratory Project #: 1101543

TOTAL VOCs BY SW-846 METHOD 8260 AND TCLP VOCs by SW-846 METHODS 1311 AND 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
MS-2	1101543-02	Liquid	1/27/2011	2/3/2011
MS-3	1101543-03	Liquid	1/27/2011	2/1/2011 – 2/2/2011
MS-4	1101543-04	Liquid	1/27/2011	2/3/2011
MS-7	1101543-07	Liquid	1/27/2011	2/3/2011
MS-9	1101543-09	Liquid	1/27/2011	2/1/2011
MS-13	1101543-13	Sludge	1/27/2011	2/1/2011

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks were analyzed with the total and TCLP VOC analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

ALS analyzed an MS and MSDs using samples from other sites. Therefore, matrix interferences could not be evaluated for the Mutli-Service site using MS and MSDs. The percent recoveries and relative percent differences (RPD) were acceptable for the MS and MSDs that were analyzed.

7. Overall Assessment

The total VOC and TCLP VOC data are acceptable for use based on the information received.

GENERAL CHEMISTRY PARAMETERS (ignitability by SW-846 1010 and 1030 and pH by SW-846 9040B and 9045C)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Sample ID	Lab ID	Matrix	Date Collected	Date Analyzed	Parameter Analyzed
MS-1	1101543-01	Liquid	1/27/2011	2/1/2011	Flashpoint
MS-2	1101543-02	Liquid	1/27/2011	2/1/2011	Flashpoint
MS-3	1101543-03	Liquid	1/27/2011	2/1/2011	Flashpoint
MS-4	1101543-04	Liquid	1/27/2011	2/1/2011	Flashpoint
MS-5	1101543-05	Liquid	1/27/2011	2/1/2011	Flashpoint
MS-6	1101543-06	Liquid	1/27/2011	1/31/2011	pH
MS-7	1101543-07	Liquid	1/27/2011	2/1/2011	Flashpoint
MS-8	1101543-08	Liquid	1/27/2011	1/31/2011	pH
MS-9	1101543-09	Liquid	1/27/2011	2/1/2011	Flashpoint
MS-10	1101543-10	Liquid	1/27/2011	1/31/2011	pH
MS-11	1101543-11	Solid	1/27/2011	1/31/2011	pH
MS-12	1101543-12	Liquid	1/27/2011	2/1/2011	Flashpoint

2. Holding Times

The analytical methods for pH and flashpoint state that the analyses should be analyzed as soon as possible. There is no exact holding time limit in the methods. ALS flagged the pH results with an “H” to indicate that they exceeded holding time limits. pH was analyzed within four days of sample collection and flashpoint was analyzed within five days of sample collection. Because the samples were concentrated waste samples, it is not expected that the pH and flashpoint results would be affected based on the times they were analyzed and no qualifications were applied.

3. Overall Assessment

The ignitability and pH data are acceptable for use based on the information received.

ATTACHMENT

ALS ENVIRONMENTAL
RESULTS SUMMARY WITH QUALIFIERS

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-1
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-01
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
FLASHPOINT		Method: **E1010**					Analyst: **RDN**
Flashpoint	**100**		**0**		**°F**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-2
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-02
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW1311 / 1/31/11		Analyst: **PPC**
1,1-Dichloroethene	U		50	50	mg/L	10000	2/3/2011 14:15
1,2-Dichloroethane	U		50	50	mg/L	10000	2/3/2011 14:15
1,4-Dichlorobenzene	U		50	50	mg/L	10000	2/3/2011 14:15
2-Butanone	U		50	50	mg/L	10000	2/3/2011 14:15
Benzene	U		50	50	mg/L	10000	2/3/2011 14:15
Carbon tetrachloride	U		50	50	mg/L	10000	2/3/2011 14:15
Chlorobenzene	U		50	50	mg/L	10000	2/3/2011 14:15
Chloroform	U		50	50	mg/L	10000	2/3/2011 14:15
Tetrachloroethene	U		5.6	5.6	mg/L	10000	2/3/2011 14:15
Trichloroethene	U		50	50	mg/L	10000	2/3/2011 14:15
Vinyl chloride	U		20	20	mg/L	10000	2/3/2011 14:15
Surr: Bromofluorobenzene	*93.1*			*70-130*	*%REC*	10000	2/3/2011 14:15
Surr: Dibromofluoromethane	*109*			*70-130*	*%REC*	10000	2/3/2011 14:15
Surr: Toluene-d8	*103*			*70-130*	*%REC*	10000	2/3/2011 14:15
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **PPC**
1,1,1,2-Tetrachloroethane	U		13,000	50,000	µg/L	10000	2/3/2011 14:15
1,1,1-Trichloroethane	U		11,000	50,000	µg/L	10000	2/3/2011 14:15
1,1,2,2-Tetrachloroethane	U		13,000	50,000	µg/L	10000	2/3/2011 14:15
1,1,2-Trichloroethane	U		7,100	50,000	µg/L	10000	2/3/2011 14:15
1,1-Dichloroethane	U		6,900	50,000	µg/L	10000	2/3/2011 14:15
1,1-Dichloroethene	U		2,100	50,000	µg/L	10000	2/3/2011 14:15
1,1-Dichloropropene	U		3,700	50,000	µg/L	10000	2/3/2011 14:15
1,2,3-Trichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 14:15
1,2,3-Trichloropropane	U		15,000	50,000	µg/L	10000	2/3/2011 14:15
1,2,4-Trichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 14:15
1,2,4-Trimethylbenzene	**92,000**		**1,600**	**50,000**	**µg/L**	10000	2/3/2011 14:15
1,2-Dibromo-3-chloropropane	U		38,000	50,000	µg/L	10000	2/3/2011 14:15
1,2-Dibromoethane	U		6,000	50,000	µg/L	10000	2/3/2011 14:15
1,2-Dichlorobenzene	U		3,500	50,000	µg/L	10000	2/3/2011 14:15
1,2-Dichloroethane	U		6,300	50,000	µg/L	10000	2/3/2011 14:15
1,2-Dichloropropane	U		6,700	50,000	µg/L	10000	2/3/2011 14:15
1,3,5-Trimethylbenzene	**31,000**	J	**3,300**	**50,000**	**µg/L**	10000	2/3/2011 14:15
1,3-Dichlorobenzene	U		3,700	50,000	µg/L	10000	2/3/2011 14:15
1,3-Dichloropropane	U		7,800	50,000	µg/L	10000	2/3/2011 14:15
1,4-Dichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 14:15
2,2-Dichloropropane	U		5,400	50,000	µg/L	10000	2/3/2011 14:15
2-Butanone	U		7,700	50,000	µg/L	10000	2/3/2011 14:15
2-Chlorotoluene	U		5,300	50,000	µg/L	10000	2/3/2011 14:15

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-2
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-02
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Hexanone	U		14,000	50,000	µg/L	10000	2/3/2011 14:15
4-Chlorotoluene	U		7,200	50,000	µg/L	10000	2/3/2011 14:15
4-Methyl-2-pentanone	U		29,000	50,000	µg/L	10000	2/3/2011 14:15
Acetone	U		23,000	50,000	µg/L	10000	2/3/2011 14:15
Benzene	U		5,100	50,000	µg/L	10000	2/3/2011 14:15
Bromobenzene	U		5,100	50,000	µg/L	10000	2/3/2011 14:15
Bromochloromethane	U		9,100	50,000	µg/L	10000	2/3/2011 14:15
Bromodichloromethane	U		16,000	50,000	µg/L	10000	2/3/2011 14:15
Bromoform	U		31,000	50,000	µg/L	10000	2/3/2011 14:15
Bromomethane	U		9,100	50,000	µg/L	10000	2/3/2011 14:15
Carbon disulfide	U		9,300	50,000	µg/L	10000	2/3/2011 14:15
Carbon tetrachloride	U		11,000	50,000	µg/L	10000	2/3/2011 14:15
Chlorobenzene	U		5,100	50,000	µg/L	10000	2/3/2011 14:15
Chloroethane	U		11,000	50,000	µg/L	10000	2/3/2011 14:15
Chloroform	U		9,500	50,000	µg/L	10000	2/3/2011 14:15
Chloromethane	U		3,000	50,000	µg/L	10000	2/3/2011 14:15
cis-1,2-Dichloroethene	U		5,700	50,000	µg/L	10000	2/3/2011 14:15
cis-1,3-Dichloropropene	U		9,100	50,000	µg/L	10000	2/3/2011 14:15
Dibromochloromethane	U		18,000	50,000	µg/L	10000	2/3/2011 14:15
Dibromomethane	U		11,000	50,000	µg/L	10000	2/3/2011 14:15
Dichlorodifluoromethane	U		8,300	50,000	µg/L	10000	2/3/2011 14:15
Ethylbenzene	**13,000**	J	**6,800**	**50,000**	**µg/L**	10000	2/3/2011 14:15
Hexachlorobutadiene	U		7,500	50,000	µg/L	10000	2/3/2011 14:15
Isopropylbenzene	U		4,200	50,000	µg/L	10000	2/3/2011 14:15
m,p-Xylene	**53,000**		**7,300**	**50,000**	**µg/L**	10000	2/3/2011 14:15
Methyl tert-butyl ether	U		7,100	50,000	µg/L	10000	2/3/2011 14:15
Methylene chloride	U		5,400	50,000	µg/L	10000	2/3/2011 14:15
Naphthalene	**49,000**	J	**9,600**	**50,000**	**µg/L**	10000	2/3/2011 14:15
n-Butylbenzene	**34,000**	J	**3,700**	**50,000**	**µg/L**	10000	2/3/2011 14:15
n-Propylbenzene	U		3,800	50,000	µg/L	10000	2/3/2011 14:15
o-Xylene	**15,000**	J	**2,700**	**50,000**	**µg/L**	10000	2/3/2011 14:15
p-Isopropyltoluene	U		2,000	50,000	µg/L	10000	2/3/2011 14:15
sec-Butylbenzene	U		1,600	50,000	µg/L	10000	2/3/2011 14:15
Styrene	U		4,900	50,000	µg/L	10000	2/3/2011 14:15
tert-Butylbenzene	U		2,000	50,000	µg/L	10000	2/3/2011 14:15
Tetrachloroethene	U		5,600	50,000	µg/L	10000	2/3/2011 14:15
Toluene	**170,000**		**4,800**	**50,000**	**µg/L**	10000	2/3/2011 14:15
trans-1,2-Dichloroethene	U		5,600	50,000	µg/L	10000	2/3/2011 14:15
trans-1,3-Dichloropropene	U		17,000	50,000	µg/L	10000	2/3/2011 14:15
Trichloroethene	U		7,800	50,000	µg/L	10000	2/3/2011 14:15

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-2
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-02
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Trichlorofluoromethane	U		9,400	50,000	µg/L	10000	2/3/2011 14:15
Vinyl chloride	U		9,300	20,000	µg/L	10000	2/3/2011 14:15
Xylenes, Total	**67,000**		**7,300**	**50,000**	**µg/L**	10000	2/3/2011 14:15
Surr: 4-Bromofluorobenzene	*92.5*			*61-131*	*%REC*	10000	2/3/2011 14:15
Surr: Dibromofluoromethane	*109*			*87-126*	*%REC*	10000	2/3/2011 14:15
Surr: Toluene-d8	*103*			*84-111*	*%REC*	10000	2/3/2011 14:15
FLASHPOINT		Method: **E1010**					Analyst: **RDN**
Flashpoint	**110**		**0**		**°F**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-3
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-03
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **LAK**
1,1-Dichloroethene	U		0.25	0.25	mg/L	50	2/1/2011 18:22
1,2-Dichloroethane	U		0.25	0.25	mg/L	50	2/1/2011 18:22
1,4-Dichlorobenzene	U		0.25	0.25	mg/L	50	2/1/2011 18:22
2-Butanone	U		0.25	0.25	mg/L	50	2/1/2011 18:22
Benzene	U		0.25	0.25	mg/L	50	2/1/2011 18:22
Carbon tetrachloride	U		0.25	0.25	mg/L	50	2/1/2011 18:22
Chlorobenzene	U		0.25	0.25	mg/L	50	2/1/2011 18:22
Chloroform	U		0.25	0.25	mg/L	50	2/1/2011 18:22
Tetrachloroethene	U		0.25	0.25	mg/L	50	2/1/2011 18:22
Trichloroethene	U		0.25	0.25	mg/L	50	2/1/2011 18:22
Vinyl chloride	U		0.10	0.10	mg/L	50	2/1/2011 18:22
Surr: Bromofluorobenzene	*103*			*70-130*	*%REC*	50	2/1/2011 18:22
Surr: Dibromofluoromethane	*104*			*70-130*	*%REC*	50	2/1/2011 18:22
Surr: Toluene-d8	*97.6*			*70-130*	*%REC*	50	2/1/2011 18:22
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **LAK**
1,1,1,2-Tetrachloroethane	U		1,300	5,000	µg/L	1000	2/2/2011 15:25
1,1,1-Trichloroethane	U		1,100	5,000	µg/L	1000	2/2/2011 15:25
1,1,2,2-Tetrachloroethane	U		1,300	5,000	µg/L	1000	2/2/2011 15:25
1,1,2-Trichloroethane	U		710	5,000	µg/L	1000	2/2/2011 15:25
1,1-Dichloroethane	U		690	5,000	µg/L	1000	2/2/2011 15:25
1,1-Dichloroethene	U		210	5,000	µg/L	1000	2/2/2011 15:25
1,1-Dichloropropene	U		370	5,000	µg/L	1000	2/2/2011 15:25
1,2,3-Trichlorobenzene	U		500	5,000	µg/L	1000	2/2/2011 15:25
1,2,3-Trichloropropane	U		1,500	5,000	µg/L	1000	2/2/2011 15:25
1,2,4-Trichlorobenzene	U		500	5,000	µg/L	1000	2/2/2011 15:25
1,2,4-Trimethylbenzene	**10,000**		**160**	**5,000**	**µg/L**	1000	2/2/2011 15:25
1,2-Dibromo-3-chloropropane	U		3,800	5,000	µg/L	1000	2/2/2011 15:25
1,2-Dibromoethane	U		600	5,000	µg/L	1000	2/2/2011 15:25
1,2-Dichlorobenzene	U		350	5,000	µg/L	1000	2/2/2011 15:25
1,2-Dichloroethane	U		630	5,000	µg/L	1000	2/2/2011 15:25
1,2-Dichloropropane	U		670	5,000	µg/L	1000	2/2/2011 15:25
1,3,5-Trimethylbenzene	**3,000**	J	**330**	**5,000**	**µg/L**	1000	2/2/2011 15:25
1,3-Dichlorobenzene	U		370	5,000	µg/L	1000	2/2/2011 15:25
1,3-Dichloropropane	U		780	5,000	µg/L	1000	2/2/2011 15:25
1,4-Dichlorobenzene	U		500	5,000	µg/L	1000	2/2/2011 15:25
2,2-Dichloropropane	U		540	5,000	µg/L	1000	2/2/2011 15:25
2-Butanone	U		770	5,000	µg/L	1000	2/2/2011 15:25
2-Chlorotoluene	U		530	5,000	µg/L	1000	2/2/2011 15:25

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-3
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-03
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Hexanone	U		1,400	5,000	µg/L	1000	2/2/2011 15:25
4-Chlorotoluene	U		720	5,000	µg/L	1000	2/2/2011 15:25
4-Methyl-2-pentanone	U		2,900	5,000	µg/L	1000	2/2/2011 15:25
Acetone	U		2,300	5,000	µg/L	1000	2/2/2011 15:25
Benzene	U		510	5,000	µg/L	1000	2/2/2011 15:25
Bromobenzene	U		510	5,000	µg/L	1000	2/2/2011 15:25
Bromochloromethane	U		910	5,000	µg/L	1000	2/2/2011 15:25
Bromodichloromethane	U		1,600	5,000	µg/L	1000	2/2/2011 15:25
Bromoform	U		3,100	5,000	µg/L	1000	2/2/2011 15:25
Bromomethane	U		910	5,000	µg/L	1000	2/2/2011 15:25
Carbon disulfide	U		930	5,000	µg/L	1000	2/2/2011 15:25
Carbon tetrachloride	U		1,100	5,000	µg/L	1000	2/2/2011 15:25
Chlorobenzene	U		510	5,000	µg/L	1000	2/2/2011 15:25
Chloroethane	U		1,100	5,000	µg/L	1000	2/2/2011 15:25
Chloroform	U		950	5,000	µg/L	1000	2/2/2011 15:25
Chloromethane	U		300	5,000	µg/L	1000	2/2/2011 15:25
cis-1,2-Dichloroethene	U		570	5,000	µg/L	1000	2/2/2011 15:25
cis-1,3-Dichloropropene	U		910	5,000	µg/L	1000	2/2/2011 15:25
Dibromochloromethane	U		1,800	5,000	µg/L	1000	2/2/2011 15:25
Dibromomethane	U		1,100	5,000	µg/L	1000	2/2/2011 15:25
Dichlorodifluoromethane	U		830	5,000	µg/L	1000	2/2/2011 15:25
Ethylbenzene	U		680	5,000	µg/L	1000	2/2/2011 15:25
Hexachlorobutadiene	U		750	5,000	µg/L	1000	2/2/2011 15:25
Isopropylbenzene	U		420	5,000	µg/L	1000	2/2/2011 15:25
m,p-Xylene	U		730	5,000	µg/L	1000	2/2/2011 15:25
Methyl tert-butyl ether	U		710	5,000	µg/L	1000	2/2/2011 15:25
Methylene chloride	U		540	5,000	µg/L	1000	2/2/2011 15:25
Naphthalene	**140,000**		**960**	**5,000**	**µg/L**	1000	2/2/2011 15:25
n-Butylbenzene	U		370	5,000	µg/L	1000	2/2/2011 15:25
n-Propylbenzene	U		380	5,000	µg/L	1000	2/2/2011 15:25
o-Xylene	U		270	5,000	µg/L	1000	2/2/2011 15:25
p-Isopropyltoluene	U		200	5,000	µg/L	1000	2/2/2011 15:25
sec-Butylbenzene	U		160	5,000	µg/L	1000	2/2/2011 15:25
Styrene	U		490	5,000	µg/L	1000	2/2/2011 15:25
tert-Butylbenzene	U		200	5,000	µg/L	1000	2/2/2011 15:25
Tetrachloroethene	U		560	5,000	µg/L	1000	2/2/2011 15:25
Toluene	U		480	5,000	µg/L	1000	2/2/2011 15:25
trans-1,2-Dichloroethene	U		560	5,000	µg/L	1000	2/2/2011 15:25
trans-1,3-Dichloropropene	U		1,700	5,000	µg/L	1000	2/2/2011 15:25
Trichloroethene	U		780	5,000	µg/L	1000	2/2/2011 15:25

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-3
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-03
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Trichlorofluoromethane	U		940	5,000	µg/L	1000	2/2/2011 15:25
Vinyl chloride	U		930	2,000	µg/L	1000	2/2/2011 15:25
Xylenes, Total	U		730	5,000	µg/L	1000	2/2/2011 15:25
Surr: 4-Bromofluorobenzene	*102*			*61-131*	*%REC*	1000	2/2/2011 15:25
Surr: Dibromofluoromethane	*102*			*87-126*	*%REC*	1000	2/2/2011 15:25
Surr: Toluene-d8	*99.4*			*84-111*	*%REC*	1000	2/2/2011 15:25
FLASHPOINT		Method: **E1010**					Analyst: **RDN**
Flashpoint	**No Flash**		**0**		**°F**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-4
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-04
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW1311 / 1/31/11		Analyst: **PPC**
1,1-Dichloroethene	U		50	50	mg/L	10000	2/3/2011 15:16
1,2-Dichloroethane	U		50	50	mg/L	10000	2/3/2011 15:16
1,4-Dichlorobenzene	U		50	50	mg/L	10000	2/3/2011 15:16
2-Butanone	U		50	50	mg/L	10000	2/3/2011 15:16
Benzene	U		50	50	mg/L	10000	2/3/2011 15:16
Carbon tetrachloride	U		50	50	mg/L	10000	2/3/2011 15:16
Chlorobenzene	U		50	50	mg/L	10000	2/3/2011 15:16
Chloroform	U		50	50	mg/L	10000	2/3/2011 15:16
Tetrachloroethene	U		5.6	5.6	mg/L	10000	2/3/2011 15:16
Trichloroethene	U		50	50	mg/L	10000	2/3/2011 15:16
Vinyl chloride	U		20	20	mg/L	10000	2/3/2011 15:16
Surr: Bromofluorobenzene	*124*			*70-130*	*%REC*	10000	2/3/2011 15:16
Surr: Dibromofluoromethane	*116*			*70-130*	*%REC*	10000	2/3/2011 15:16
Surr: Toluene-d8	*104*			*70-130*	*%REC*	10000	2/3/2011 15:16
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **PPC**
1,1,1,2-Tetrachloroethane	U		13,000	50,000	µg/L	10000	2/3/2011 15:16
1,1,1-Trichloroethane	U		11,000	50,000	µg/L	10000	2/3/2011 15:16
1,1,2,2-Tetrachloroethane	U		13,000	50,000	µg/L	10000	2/3/2011 15:16
1,1,2-Trichloroethane	U		7,100	50,000	µg/L	10000	2/3/2011 15:16
1,1-Dichloroethane	U		6,900	50,000	µg/L	10000	2/3/2011 15:16
1,1-Dichloroethene	U		2,100	50,000	µg/L	10000	2/3/2011 15:16
1,1-Dichloropropene	U		3,700	50,000	µg/L	10000	2/3/2011 15:16
1,2,3-Trichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 15:16
1,2,3-Trichloropropane	U		15,000	50,000	µg/L	10000	2/3/2011 15:16
1,2,4-Trichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 15:16
1,2,4-Trimethylbenzene	**750,000**		**1,600**	**50,000**	**µg/L**	10000	2/3/2011 15:16
1,2-Dibromo-3-chloropropane	U		38,000	50,000	µg/L	10000	2/3/2011 15:16
1,2-Dibromoethane	U		6,000	50,000	µg/L	10000	2/3/2011 15:16
1,2-Dichlorobenzene	U		3,500	50,000	µg/L	10000	2/3/2011 15:16
1,2-Dichloroethane	U		6,300	50,000	µg/L	10000	2/3/2011 15:16
1,2-Dichloropropane	U		6,700	50,000	µg/L	10000	2/3/2011 15:16
1,3,5-Trimethylbenzene	**210,000**		**3,300**	**50,000**	**µg/L**	10000	2/3/2011 15:16
1,3-Dichlorobenzene	U		3,700	50,000	µg/L	10000	2/3/2011 15:16
1,3-Dichloropropane	U		7,800	50,000	µg/L	10000	2/3/2011 15:16
1,4-Dichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 15:16
2,2-Dichloropropane	U		5,400	50,000	µg/L	10000	2/3/2011 15:16
2-Butanone	U		7,700	50,000	µg/L	10000	2/3/2011 15:16
2-Chlorotoluene	U		5,300	50,000	µg/L	10000	2/3/2011 15:16

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-4
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-04
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Hexanone	U		14,000	50,000	µg/L	10000	2/3/2011 15:16
4-Chlorotoluene	U		7,200	50,000	µg/L	10000	2/3/2011 15:16
4-Methyl-2-pentanone	U		29,000	50,000	µg/L	10000	2/3/2011 15:16
Acetone	U		23,000	50,000	µg/L	10000	2/3/2011 15:16
Benzene	U		5,100	50,000	µg/L	10000	2/3/2011 15:16
Bromobenzene	U		5,100	50,000	µg/L	10000	2/3/2011 15:16
Bromochloromethane	U		9,100	50,000	µg/L	10000	2/3/2011 15:16
Bromodichloromethane	U		16,000	50,000	µg/L	10000	2/3/2011 15:16
Bromoform	U		31,000	50,000	µg/L	10000	2/3/2011 15:16
Bromomethane	U		9,100	50,000	µg/L	10000	2/3/2011 15:16
Carbon disulfide	U		9,300	50,000	µg/L	10000	2/3/2011 15:16
Carbon tetrachloride	U		11,000	50,000	µg/L	10000	2/3/2011 15:16
Chlorobenzene	U		5,100	50,000	µg/L	10000	2/3/2011 15:16
Chloroethane	U		11,000	50,000	µg/L	10000	2/3/2011 15:16
Chloroform	U		9,500	50,000	µg/L	10000	2/3/2011 15:16
Chloromethane	U		3,000	50,000	µg/L	10000	2/3/2011 15:16
cis-1,2-Dichloroethene	U		5,700	50,000	µg/L	10000	2/3/2011 15:16
cis-1,3-Dichloropropene	U		9,100	50,000	µg/L	10000	2/3/2011 15:16
Dibromochloromethane	U		18,000	50,000	µg/L	10000	2/3/2011 15:16
Dibromomethane	U		11,000	50,000	µg/L	10000	2/3/2011 15:16
Dichlorodifluoromethane	U		8,300	50,000	µg/L	10000	2/3/2011 15:16
Ethylbenzene	**32,000**	J	**6,800**	**50,000**	**µg/L**	10000	2/3/2011 15:16
Hexachlorobutadiene	U		7,500	50,000	µg/L	10000	2/3/2011 15:16
Isopropylbenzene	**22,000**	J	**4,200**	**50,000**	**µg/L**	10000	2/3/2011 15:16
m,p-Xylene	**140,000**		**7,300**	**50,000**	**µg/L**	10000	2/3/2011 15:16
Methyl tert-butyl ether	U		7,100	50,000	µg/L	10000	2/3/2011 15:16
Methylene chloride	U		5,400	50,000	µg/L	10000	2/3/2011 15:16
Naphthalene	**1,000,000**		**9,600**	**50,000**	**µg/L**	10000	2/3/2011 15:16
n-Butylbenzene	**230,000**		**3,700**	**50,000**	**µg/L**	10000	2/3/2011 15:16
n-Propylbenzene	**110,000**		**3,800**	**50,000**	**µg/L**	10000	2/3/2011 15:16
o-Xylene	**86,000**		**2,700**	**50,000**	**µg/L**	10000	2/3/2011 15:16
p-Isopropyltoluene	**31,000**	J	**2,000**	**50,000**	**µg/L**	10000	2/3/2011 15:16
sec-Butylbenzene	**25,000**	J	**1,600**	**50,000**	**µg/L**	10000	2/3/2011 15:16
Styrene	**47,000**	J	**4,900**	**50,000**	**µg/L**	10000	2/3/2011 15:16
tert-Butylbenzene	U		2,000	50,000	µg/L	10000	2/3/2011 15:16
Tetrachloroethene	U		5,600	50,000	µg/L	10000	2/3/2011 15:16
Toluene	**130,000**		**4,800**	**50,000**	**µg/L**	10000	2/3/2011 15:16
trans-1,2-Dichloroethene	U		5,600	50,000	µg/L	10000	2/3/2011 15:16
trans-1,3-Dichloropropene	U		17,000	50,000	µg/L	10000	2/3/2011 15:16
Trichloroethene	U		7,800	50,000	µg/L	10000	2/3/2011 15:16

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-4
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-04
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Trichlorofluoromethane	U		9,400	50,000	µg/L	10000	2/3/2011 15:16
Vinyl chloride	U		9,300	20,000	µg/L	10000	2/3/2011 15:16
Xylenes, Total	**230,000**		**7,300**	**50,000**	**µg/L**	10000	2/3/2011 15:16
Surr: 4-Bromofluorobenzene	*124*			*61-131*	*%REC*	10000	2/3/2011 15:16
Surr: Dibromofluoromethane	*116*			*87-126*	*%REC*	10000	2/3/2011 15:16
Surr: Toluene-d8	*102*			*84-111*	*%REC*	10000	2/3/2011 15:16
FLASHPOINT		Method: **E1010**					Analyst: **RDN**
Flashpoint	**120**		**0**		**°F**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-5
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-05
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
FLASHPOINT		Method: **E1010**					Analyst: **RDN**
Flashpoint	**No Flash**		**0**		**°F**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-6
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-06
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH		Method: **E9040B**					Analyst: **RDN**
pH	**3.8**	H	**0**		**pH Units**	1	1/31/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-7
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-07
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**			Prep: SW1311 / 1/31/11		Analyst: **PPC**
1,1-Dichloroethene	U		50	50	mg/L	10000	2/3/2011 16:17
1,2-Dichloroethane	U		50	50	mg/L	10000	2/3/2011 16:17
1,4-Dichlorobenzene	U		50	50	mg/L	10000	2/3/2011 16:17
2-Butanone	U		50	50	mg/L	10000	2/3/2011 16:17
Benzene	U		50	50	mg/L	10000	2/3/2011 16:17
Carbon tetrachloride	U		50	50	mg/L	10000	2/3/2011 16:17
Chlorobenzene	U		50	50	mg/L	10000	2/3/2011 16:17
Chloroform	U		50	50	mg/L	10000	2/3/2011 16:17
Tetrachloroethene	**53**		**5.6**	**5.6**	**mg/L**	10000	2/3/2011 16:17
Trichloroethene	U		50	50	mg/L	10000	2/3/2011 16:17
Vinyl chloride	U		20	20	mg/L	10000	2/3/2011 16:17
Surr: Bromofluorobenzene	*101*			*70-130*	*%REC*	10000	2/3/2011 16:17
Surr: Dibromofluoromethane	*109*			*70-130*	*%REC*	10000	2/3/2011 16:17
Surr: Toluene-d8	*103*			*70-130*	*%REC*	10000	2/3/2011 16:17
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **PPC**
1,1,1,2-Tetrachloroethane	U		13,000	50,000	µg/L	10000	2/3/2011 16:17
1,1,1-Trichloroethane	U		11,000	50,000	µg/L	10000	2/3/2011 16:17
1,1,2,2-Tetrachloroethane	U		13,000	50,000	µg/L	10000	2/3/2011 16:17
1,1,2-Trichloroethane	U		7,100	50,000	µg/L	10000	2/3/2011 16:17
1,1-Dichloroethane	U		6,900	50,000	µg/L	10000	2/3/2011 16:17
1,1-Dichloroethene	U		2,100	50,000	µg/L	10000	2/3/2011 16:17
1,1-Dichloropropene	U		3,700	50,000	µg/L	10000	2/3/2011 16:17
1,2,3-Trichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 16:17
1,2,3-Trichloropropane	U		15,000	50,000	µg/L	10000	2/3/2011 16:17
1,2,4-Trichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 16:17
1,2,4-Trimethylbenzene	**9,700,000**		**8,000**	**250,000**	**µg/L**	50000	2/1/2011 17:52
1,2-Dibromo-3-chloropropane	U		38,000	50,000	µg/L	10000	2/3/2011 16:17
1,2-Dibromoethane	U		6,000	50,000	µg/L	10000	2/3/2011 16:17
1,2-Dichlorobenzene	U		3,500	50,000	µg/L	10000	2/3/2011 16:17
1,2-Dichloroethane	U		6,300	50,000	µg/L	10000	2/3/2011 16:17
1,2-Dichloropropane	U		6,700	50,000	µg/L	10000	2/3/2011 16:17
1,3,5-Trimethylbenzene	**3,300,000**		**16,000**	**250,000**	**µg/L**	50000	2/1/2011 17:52
1,3-Dichlorobenzene	U		3,700	50,000	µg/L	10000	2/3/2011 16:17
1,3-Dichloropropane	U		7,800	50,000	µg/L	10000	2/3/2011 16:17
1,4-Dichlorobenzene	U		5,000	50,000	µg/L	10000	2/3/2011 16:17
2,2-Dichloropropane	U		5,400	50,000	µg/L	10000	2/3/2011 16:17
2-Butanone	U		7,700	50,000	µg/L	10000	2/3/2011 16:17
2-Chlorotoluene	U		5,300	50,000	µg/L	10000	2/3/2011 16:17

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-7
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-07
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
2-Hexanone	U		14,000	50,000	µg/L	10000	2/3/2011 16:17
4-Chlorotoluene	U		7,200	50,000	µg/L	10000	2/3/2011 16:17
4-Methyl-2-pentanone	U		29,000	50,000	µg/L	10000	2/3/2011 16:17
Acetone	U		23,000	50,000	µg/L	10000	2/3/2011 16:17
Benzene	U		5,100	50,000	µg/L	10000	2/3/2011 16:17
Bromobenzene	U		5,100	50,000	µg/L	10000	2/3/2011 16:17
Bromochloromethane	U		9,100	50,000	µg/L	10000	2/3/2011 16:17
Bromodichloromethane	U		16,000	50,000	µg/L	10000	2/3/2011 16:17
Bromoform	U		31,000	50,000	µg/L	10000	2/3/2011 16:17
Bromomethane	U		9,100	50,000	µg/L	10000	2/3/2011 16:17
Carbon disulfide	U		9,300	50,000	µg/L	10000	2/3/2011 16:17
Carbon tetrachloride	U		11,000	50,000	µg/L	10000	2/3/2011 16:17
Chlorobenzene	U		5,100	50,000	µg/L	10000	2/3/2011 16:17
Chloroethane	U		11,000	50,000	µg/L	10000	2/3/2011 16:17
Chloroform	U		9,500	50,000	µg/L	10000	2/3/2011 16:17
Chloromethane	U		3,000	50,000	µg/L	10000	2/3/2011 16:17
cis-1,2-Dichloroethene	U		5,700	50,000	µg/L	10000	2/3/2011 16:17
cis-1,3-Dichloropropene	U		9,100	50,000	µg/L	10000	2/3/2011 16:17
Dibromochloromethane	U		18,000	50,000	µg/L	10000	2/3/2011 16:17
Dibromomethane	U		11,000	50,000	µg/L	10000	2/3/2011 16:17
Dichlorodifluoromethane	U		8,300	50,000	µg/L	10000	2/3/2011 16:17
Ethylbenzene	**380,000**		**6,800**	**50,000**	**µg/L**	10000	2/3/2011 16:17
Hexachlorobutadiene	U		7,500	50,000	µg/L	10000	2/3/2011 16:17
Isopropylbenzene	**400,000**		**4,200**	**50,000**	**µg/L**	10000	2/3/2011 16:17
m,p-Xylene	**1,800,000**		**7,300**	**50,000**	**µg/L**	10000	2/3/2011 16:17
Methyl tert-butyl ether	U		7,100	50,000	µg/L	10000	2/3/2011 16:17
Methylene chloride	U		5,400	50,000	µg/L	10000	2/3/2011 16:17
Naphthalene	**600,000**		**9,600**	**50,000**	**µg/L**	10000	2/3/2011 16:17
n-Butylbenzene	**710,000**		**3,700**	**50,000**	**µg/L**	10000	2/3/2011 16:17
n-Propylbenzene	**1,400,000**		**19,000**	**250,000**	**µg/L**	50000	2/1/2011 17:52
o-Xylene	**690,000**		**2,700**	**50,000**	**µg/L**	10000	2/3/2011 16:17
p-Isopropyltoluene	**210,000**		**2,000**	**50,000**	**µg/L**	10000	2/3/2011 16:17
sec-Butylbenzene	**260,000**		**1,600**	**50,000**	**µg/L**	10000	2/3/2011 16:17
Styrene	U		4,900	50,000	µg/L	10000	2/3/2011 16:17
tert-Butylbenzene	U		2,000	50,000	µg/L	10000	2/3/2011 16:17
Tetrachloroethene	**53,000**		**5,600**	**50,000**	**µg/L**	10000	2/3/2011 16:17
Toluene	**370,000**		**4,800**	**50,000**	**µg/L**	10000	2/3/2011 16:17
trans-1,2-Dichloroethene	U		5,600	50,000	µg/L	10000	2/3/2011 16:17
trans-1,3-Dichloropropene	U		17,000	50,000	µg/L	10000	2/3/2011 16:17
Trichloroethene	U		7,800	50,000	µg/L	10000	2/3/2011 16:17

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-7
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-07
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Trichlorofluoromethane	U		9,400	50,000	µg/L	10000	2/3/2011 16:17
Vinyl chloride	U		9,300	20,000	µg/L	10000	2/3/2011 16:17
Xylenes, Total	**2,400,000**		**7,300**	**50,000**	**µg/L**	10000	2/3/2011 16:17
Surr: 4-Bromofluorobenzene	*101*			*61-131*	*%REC*	10000	2/3/2011 16:17
Surr: Dibromofluoromethane	*109*			*87-126*	*%REC*	10000	2/3/2011 16:17
Surr: Toluene-d8	*103*			*84-111*	*%REC*	10000	2/3/2011 16:17
FLASHPOINT		Method: **E1010**					Analyst: **RDN**
Flashpoint	**140**		**0**		**°F**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-8
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-08
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH		Method: **E9040B**					Analyst: **RDN**
pH	**12**	H	**0**		**pH Units**	1	1/31/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-9
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-09
Matrix: SLUDGE

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **LAK**
1,1,1,2-Tetrachloroethane	U		6,300	31,000	µg/Kg	6250	2/1/2011 14:39
1,1,1-Trichloroethane	U		7,400	31,000	µg/Kg	6250	2/1/2011 14:39
1,1,2,2-Tetrachloroethane	**26,000**	J	**16,000**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
1,1,2-Trichloroethane	U		6,000	31,000	µg/Kg	6250	2/1/2011 14:39
1,1-Dichloroethane	U		9,800	31,000	µg/Kg	6250	2/1/2011 14:39
1,1-Dichloroethene	U		14,000	31,000	µg/Kg	6250	2/1/2011 14:39
1,1-Dichloropropene	U		9,900	31,000	µg/Kg	6250	2/1/2011 14:39
1,2,3-Trichlorobenzene	U		8,400	31,000	µg/Kg	6250	2/1/2011 14:39
1,2,3-Trichloropropane	U		5,100	31,000	µg/Kg	6250	2/1/2011 14:39
1,2,4-Trichlorobenzene	U		8,400	31,000	µg/Kg	6250	2/1/2011 14:39
1,2,4-Trimethylbenzene	**1,300,000**		**58,000**	**310,000**	**µg/Kg**	62500	2/1/2011 15:41
1,2-Dibromo-3-chloropropane	U		15,000	31,000	µg/Kg	6250	2/1/2011 14:39
1,2-Dibromoethane	U		6,900	31,000	µg/Kg	6250	2/1/2011 14:39
1,2-Dichlorobenzene	U		9,700	31,000	µg/Kg	6250	2/1/2011 14:39
1,2-Dichloroethane	U		12,000	31,000	µg/Kg	6250	2/1/2011 14:39
1,2-Dichloropropane	U		6,100	31,000	µg/Kg	6250	2/1/2011 14:39
1,3,5-Trimethylbenzene	**430,000**		**4,200**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
1,3-Dichlorobenzene	U		4,800	31,000	µg/Kg	6250	2/1/2011 14:39
1,3-Dichloropropane	U		6,100	31,000	µg/Kg	6250	2/1/2011 14:39
1,4-Dichlorobenzene	U		6,100	31,000	µg/Kg	6250	2/1/2011 14:39
2,2-Dichloropropane	U		7,900	31,000	µg/Kg	6250	2/1/2011 14:39
2-Butanone	U		24,000	31,000	µg/Kg	6250	2/1/2011 14:39
2-Chlorotoluene	U		5,000	31,000	µg/Kg	6250	2/1/2011 14:39
2-Hexanone	U		8,900	31,000	µg/Kg	6250	2/1/2011 14:39
4-Chlorotoluene	U		5,200	31,000	µg/Kg	6250	2/1/2011 14:39
4-Methyl-2-pentanone	U		11,000	31,000	µg/Kg	6250	2/1/2011 14:39
Acetone	U		18,000	31,000	µg/Kg	6250	2/1/2011 14:39
Benzene	U		3,800	31,000	µg/Kg	6250	2/1/2011 14:39
Bromobenzene	U		6,900	31,000	µg/Kg	6250	2/1/2011 14:39
Bromochloromethane	U		8,600	31,000	µg/Kg	6250	2/1/2011 14:39
Bromodichloromethane	U		5,100	31,000	µg/Kg	6250	2/1/2011 14:39
Bromoform	U		14,000	31,000	µg/Kg	6250	2/1/2011 14:39
Bromomethane	U		7,800	31,000	µg/Kg	6250	2/1/2011 14:39
Carbon disulfide	U		12,000	31,000	µg/Kg	6250	2/1/2011 14:39
Carbon tetrachloride	U		7,600	31,000	µg/Kg	6250	2/1/2011 14:39
Chlorobenzene	U		3,500	31,000	µg/Kg	6250	2/1/2011 14:39
Chloroethane	U		17,000	31,000	µg/Kg	6250	2/1/2011 14:39
Chloroform	U		14,000	31,000	µg/Kg	6250	2/1/2011 14:39

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-9
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-09
Matrix: SLUDGE

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloromethane	U		15,000	31,000	µg/Kg	6250	2/1/2011 14:39
cis-1,2-Dichloroethene	**11,000**	J	**7,600**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
cis-1,3-Dichloropropene	U		6,400	31,000	µg/Kg	6250	2/1/2011 14:39
Dibromochloromethane	U		7,000	31,000	µg/Kg	6250	2/1/2011 14:39
Dibromomethane	U		3,900	31,000	µg/Kg	6250	2/1/2011 14:39
Dichlorodifluoromethane	U		6,700	31,000	µg/Kg	6250	2/1/2011 14:39
Ethylbenzene	**86,000**		**3,700**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
Hexachlorobutadiene	U		13,000	31,000	µg/Kg	6250	2/1/2011 14:39
Isopropylbenzene	**38,000**		**4,400**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
m,p-Xylene	**350,000**		**7,200**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
Methyl tert-butyl ether	U		24,000	31,000	µg/Kg	6250	2/1/2011 14:39
Methylene chloride	U		12,000	31,000	µg/Kg	6250	2/1/2011 14:39
Naphthalene	**56,000**		**6,200**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
n-Butylbenzene	**51,000**		**5,200**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
n-Propylbenzene	**200,000**		**2,900**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
o-Xylene	**150,000**		**4,800**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
p-Isopropyltoluene	**46,000**		**3,400**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
sec-Butylbenzene	U		5,800	31,000	µg/Kg	6250	2/1/2011 14:39
Styrene	U		5,900	31,000	µg/Kg	6250	2/1/2011 14:39
tert-Butylbenzene	U		6,900	31,000	µg/Kg	6250	2/1/2011 14:39
Tetrachloroethene	U		5,800	31,000	µg/Kg	6250	2/1/2011 14:39
Toluene	**310,000**		**7,800**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
trans-1,2-Dichloroethene	U		7,100	31,000	µg/Kg	6250	2/1/2011 14:39
trans-1,3-Dichloropropene	U		4,500	31,000	µg/Kg	6250	2/1/2011 14:39
Trichloroethene	U		4,900	31,000	µg/Kg	6250	2/1/2011 14:39
Trichlorofluoromethane	U		15,000	31,000	µg/Kg	6250	2/1/2011 14:39
Vinyl chloride	U		11,000	31,000	µg/Kg	6250	2/1/2011 14:39
Xylenes, Total	**500,000**		**7,200**	**31,000**	**µg/Kg**	6250	2/1/2011 14:39
Surr: 4-Bromofluorobenzene	*103*			*75-129*	*%REC*	6250	2/1/2011 14:39
Surr: Dibromofluoromethane	*114*			*80-125*	*%REC*	6250	2/1/2011 14:39
Surr: Toluene-d8	*95.7*			*90-129*	*%REC*	6250	2/1/2011 14:39
TCLP VOLATILE ORGANIC COMPOUNDS		Method:	**SW8260**				Analyst: **LAK**
1,1-Dichloroethene	U		0.25	0.25	mg/L	50	2/1/2011 18:52
1,2-Dichloroethane	U		0.25	0.25	mg/L	50	2/1/2011 18:52
1,4-Dichlorobenzene	U		0.25	0.25	mg/L	50	2/1/2011 18:52
2-Butanone	**0.35**		**0.25**	**0.25**	**mg/L**	50	2/1/2011 18:52
Benzene	U		0.25	0.25	mg/L	50	2/1/2011 18:52
Carbon tetrachloride	U		0.25	0.25	mg/L	50	2/1/2011 18:52
Chlorobenzene	U		0.25	0.25	mg/L	50	2/1/2011 18:52

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-9
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-09
Matrix: SLUDGE

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	U		0.25	0.25	mg/L	50	2/1/2011 18:52
Tetrachloroethene	U		0.25	0.25	mg/L	50	2/1/2011 18:52
Trichloroethene	U		0.25	0.25	mg/L	50	2/1/2011 18:52
Vinyl chloride	U		0.10	0.10	mg/L	50	2/1/2011 18:52
Surr: Bromofluorobenzene	*103*			*70-130*	*%REC*	50	2/1/2011 18:52
Surr: Dibromofluoromethane	*107*			*70-130*	*%REC*	50	2/1/2011 18:52
Surr: Toluene-d8	*98.0*			*70-130*	*%REC*	50	2/1/2011 18:52

IGNITABILITY Method: **SW1030** Analyst: **RDN**

Ignitability	**NI**		**0**	**mm/sec**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-10
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-10
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH		Method: **E9040B**					Analyst: **RDN**
pH	**13**	H	**0**		**pH Units**	1	1/31/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-11
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-11
Matrix: SOLID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH		Method: **E9045C**					Analyst: **RDN**
pH	**1.6**		**0**		**pH Units**	1	1/31/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-12
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-12
Matrix: LIQUID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
FLASHPOINT		Method: **E1010**					Analyst: **RDN**
Flashpoint	**<70**		**0**		**°F**	1	2/1/2011

Note:

ALS Environmental

Date: *04-Feb-11*

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
Sample ID: MS-13
Collection Date: 1/27/2011

Work Order: 1101543
Lab ID: 1101543-13
Matrix: BULK

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILE ORGANIC COMPOUNDS		Method: **SW8260**					Analyst: **LAK**
1,1-Dichloroethene	U		0.25	0.25	mg/L	50	2/1/2011 19:22
1,2-Dichloroethane	U		0.25	0.25	mg/L	50	2/1/2011 19:22
1,4-Dichlorobenzene	U		0.25	0.25	mg/L	50	2/1/2011 19:22
2-Butanone	U		0.25	0.25	mg/L	50	2/1/2011 19:22
Benzene	U		0.25	0.25	mg/L	50	2/1/2011 19:22
Carbon tetrachloride	U		0.25	0.25	mg/L	50	2/1/2011 19:22
Chlorobenzene	U		0.25	0.25	mg/L	50	2/1/2011 19:22
Chloroform	U		0.25	0.25	mg/L	50	2/1/2011 19:22
Tetrachloroethene	U		0.25	0.25	mg/L	50	2/1/2011 19:22
Trichloroethene	U		0.25	0.25	mg/L	50	2/1/2011 19:22
Vinyl chloride	U		0.10	0.10	mg/L	50	2/1/2011 19:22
Surr: Bromofluorobenzene	*108*			*70-130*	*%REC*	50	2/1/2011 19:22
Surr: Dibromofluoromethane	*104*			*70-130*	*%REC*	50	2/1/2011 19:22
Surr: Toluene-d8	*96.9*			*70-130*	*%REC*	50	2/1/2011 19:22

Note:

ALS Environmental

Date: 04-Feb-11

Client: Weston Solutions, Inc
Project: Project# 20405.016.001.1345.00
WorkOrder: **1101543**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit

Units Reported	Description
°F	
µg/Kg	
µg/L	
mg/L	
mm/sec	
pH Units	

WESTON TRANSMITTAL FORM

TO: U.S. EPA Region V

26 West Martin Luther King Drive
Office G-41
Cincinnati, OH 45268

Date:	3-14-11	TDD No.:	S05-0001-1101-003
Attn.:	Steve Renninger		
Re:	Final Letter Report		
File No:	1344-2C-AMDB		

WE ARE SENDING YOU:

X	Attached		Under Separate Cover

	Prints		Plans		Samples
	Specifications		Copy of Letter	X	Final Report
	Shop Drawings		Other (explain) –		

Copies	Date	No.	Description
1	3/14/11	1344-2A-ALVJ	Multi-Service Site Assessment Report

WE ARE TRANSMITTING as checked below:

	For Approval	X	For Your Use	____	Copies for Approval
	As Requested		Returned After Loan to Us	____	Copies for Distribution
	For Review and Comment		Other (explain)	____	Corrected Prints

Signed: John Stewart **Date:** 3-14-11

REMARKS:

COPY TO: Lisa Henricks, VHI; WESTON Document Control

WHEN RETURNING check below, as appropriate:

	Approved		Rejected	____	Copies for Approval
	Approved as Corrected		Submit	____	Copies for Distribution
	Revise and Resubmit		Other (explain)	____	Corrected Prints

REMARKS:

Signed: _____ **Date:** _____