Site Investigation/Remedial Alternatives Report/Interim Remedial Measures Report

Brownfield Cleanup Program

Steel Winds Lackawanna Site

April 2007
Revised July 2007

0071-003-100

Prepared For:

BQ Energy, LLC



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SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT/IRM REPORT

STEEL WINDS SITE
LACKAWANNA, NEW YORK

April 2007
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0071-003-100

Prepared for:

Tecumseh Redevelopment, Inc.

STEEL WINDS SITE
SI/RAR/IRM REPORT

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1.0 INTRODUCTION

1.1 Background and History

Tecumseh Redevelopment, Inc. (Tecumseh) owns approximately 1,100 acres of land at 1951 Hamburg Turnpike, approximately 2 miles south of the City of Buffalo (see Figure 1). The majority of Tecumseh's property is located in the City of Lackawanna (the City), with portions of the property extending into the Town of Hamburg. Tecumseh's property is bordered by: NY State Route 5 (Hamburg Turnpike) on the east; Lake Erie to the west and northwest; and other industrial properties to the south and the northeast.

The Tecumseh property is located on a portion of the site of the former Bethlehem Steel Corporation (BSC) Lackawanna Works in a primarily industrial area. The property was formerly used for the production of steel, coke and related products by Bethlehem Steel Corporation (BSC). The approximately 29-acre Steel Winds Brownfield Cleanup Program (BCP) parcel that is the subject of this report is located within the Slag Fill Area along the Lake shore north of Smokes Creek (see Figure 2). The Slag Fill Area was created from the deposition of dredge spoils by the US Army Corps of Engineers and later from the deposition of slag by Bethlehem Steel (starting in 1937). According to the Real Estate Records, in 1937, Bethlehem Steel Company owned the subject Site. In 1964, Bethlehem Steel Company merged into Bethlehem Steel Corporation. Steel production on the property was discontinued in 1983 and the coke ovens ceased activity in 2000. Tecumseh acquired the property, along with other BSC assets, out of bankruptcy in 2003.

A Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) of the entire former Bethlehem Steel Lackawanna Works was initiated by BSC under an Administrative Order issued by the United States Environmental Protection Agency (USEPA) in 1990. Tecumseh completed the RFI in January 2005. In August 2006, USEPA approved the RFI and terminated Bethlehem Steel's (and in turn Tecumseh's) obligation under the 1990 Administrative Order. Tecumseh is presently negotiating an Order on Consent with the New York State Department of Environmental Conservation (NYSDEC) to undertake corrective measures at certain solid waste management units (SWMUs) primarily on the western slag fill and coke manufacturing portion of the property.

In April 2005, Tecumseh signed a Memorandum of Understanding (MOU) with Erie County and the City of Lackawanna to promote redevelopment of the former BSC

Lackawanna property following cleanup. Approximately 393 acres along the eastern boundary of the Tecumseh site are planned for phased cleanup and redevelopment as a Business Park. Tecumseh has entered into Brownfield Cleanup Agreements with the NYSDEC to investigate, remediate, and redevelop the Phase I, II and III Business Parks. Tecumseh is also preparing a BCP application to the NYSDEC for the Phase IA Business Park.

A portion of the Redevelopment Master Plan incorporates a parcel designated for redevelopment with wind energy facilities, a golf course, and/or a passive recreational park. BQ Energy, LLC has entered into a long-term lease agreement with Tecumseh to construct and operate wind turbines and supporting power generation equipment and infrastructure on approximately 29 acres of the above-referenced parcel. In September 2006, BQ Energy and the NYSDEC entered into a Brownfields Cleanup Agreement for the wind energy facilities and the associated property, hereafter referred to as the "Steel Winds Site," "subject property," or the "BCP Site." The City of Lackawanna Planning Board, acting in its capacity as Lead Agency under SEQRA, issued a Negative Declaration to BQ Energy for the Steel Winds wind energy project on September 7, 2005.

A Site Investigation/Remedial Alternatives Report/Interim Remedial Measures (SI/RAR/IRM) Work Plan was submitted in final version to the NYSDEC in September 2006. The intent of the SI/RAR/IRM Work Plan was to investigate environmental media and remediate, if necessary under the IRM, impacted slag/fill within the subject property and redevelop the Steel Winds Site under the New York State BCP. Accordingly, the SI/RAR/IRM Work Plan identified the scope of planned site investigation and interim remedial measures and the means by which they will be completed, including sampling and reporting requirements, as well as identification and evaluation of remedial options for on-site groundwater and slag/fill on portions of the Site not subject to the IRM.

This Work Plan proposed the following activities to delineate on-site slag/fill and groundwater impacts at the Site:

- Analysis of representative surface and subsurface slag/fill sample(s) to establish concentrations of Constituents of Potential Concern (COPCs) within the slag/fill matrix (e.g., RCRA metals) outside the wind turbine footprints.

- Visual/olfactory/PID characterization of surface and subsurface slag/fill in the wind turbine excavation locations and interconnecting conduit trenches.

- Collection/analysis of groundwater samples and groundwater potentiometric data from existing installed monitoring wells on the Site and water level data only from existing monitoring wells on the adjacent Tecumseh property.

The Site Investigation was geared toward collection of representative analytical data to characterize on-site source area slag/fill, slag/fill outside the wind turbine footprints but within Site boundaries, and groundwater quality.

1.2 Purpose and Scope

This SI/RAR/IRM Report has been prepared on behalf of BQ Energy to describe and present the findings of the fall 2006 SI and concurrent IRM activities, and evaluates the IRM as the final remedial alternative for the Steel Winds Site.

This Report contains the following sections:

- Section 2.0 describes the Site and summarizes pertinent findings of previous environmental investigations on or adjacent to the Site.
- Section 3.0 summarizes the approach for the slag/fill and groundwater investigation as further detailed in the Work Plan.
- Section 4.0 presents the Site Investigation results by media.
- Section 5.0 describes the fate and transport of the COPCs.
- Section 6.0 presents the risk assessment.
- Section 7.0 presents a summary and conclusions of the Site Investigation.
- Section 8.0 summarizes the Interim Remedial Measures.
- Section 9.0 assesses remedial alternatives for the Site.
- Section 10.0 provides a list of references for this report.

2.0 SITE DESCRIPTION AND PRIOR ENVIRONMENTAL ASSESSMENTS

The proposed Steel Winds Site is located on a long and narrow 29-acre portion of the former BSC Lackawanna Works (Tecumseh Redevelopment property) that was created from the historic disposal of iron- and steel-making slag fill along the Lake Erie shoreline. Based on the RFI data gathered from SWMUs adjacent to the Steel Winds Site, the slag and other industrial fill materials known to have been deposited on the Steel Winds Site were expected to contain highly variable and potentially elevated concentrations of inorganic constituents associated with the slag fill and with coal handling, coke and coke by-products manufacturing operations historically conducted by Bethlehem Steel.

2.1 Site Topography, Physiography, and Drainage

The Steel Winds Site sits atop a steep bluff approximately 15 to 45 feet above average Lake elevation. Prior to site grading and preparation for the wind farm, Site topography was highly variable due to slag/fill deposition patterns. Aerial topographic mapping conducted in 2005 and 2006 for the entire Tecumseh property which includes the leased Steel Winds BCP Site has been incorporated onto the Site Plan (see Figure 2) and illustrates that the surrounding area west of the Site slope steeply toward Lake Erie. The surrounding area east of the Site generally slopes gently to the east and to the south toward Smokes Creek. In order to access and erect the wind towers, the areas within approximately 200 feet of each of the 8 windmills was graded relatively flat with compacted slag fill. Based on measurements collected during the SI, the ground surface elevation ranges from a low of approximately 583 feet above mean sea level (fmsl) at MWN-01 to a high of approximately 621 fmsl at MWN-04. Due to the granular nature of the slag/soil fill there is very little ponded stormwater or runoff as most of the precipitation seeps into the highly permeable slag/soil fill.

2.2 Site Structures and Vegetation

The Steel Winds Site contained no structures or discernable features, except for former slag-filled access roads and slag/fill piles prior to construction of the wind farm in September 2006. Debris that was interspersed with slag in the vicinity of the wind towers (especially Wind Tower No. 7) and access roads was cleaned up as part of the IRM. The land surface is generally flat and sparsely vegetated with voluntary indigenous shrubs,

grasses, weeds and emergent trees. The Site is now dominated by the eight windmills with their 3-blade (each 153 feet long) rotors atop 240-foot monolithic tubular steel towers. The towers are anchored to massive octagon-shaped subsurface reinforced concrete foundations measuring approximately 65 feet across by 8 feet deep.

2.3 Site Geology

Slag/fill deposits cover nearly the entire Site. Surface slag/fill in the southern portion of the Site consists primarily of organic sediments resulting from Smokes Creek dredge material deposited in this area. Below the slag fill layer on portions of the Site is believed to be historic dredge spoils placed there by the US Army Corps of Engineers from past dredging of the Buffalo Harbor and the Buffalo River. Subsurface lithology observed during the SI generally consisted of a fill unit with an underlying slag unit. In some locations, the fill and slag were intermixed. The fill unit was generally comprised of fine to coarse sand and gravel; some slag; construction debris; scrap tires; and other plastic and brick debris. The thickness of the fill unit generally ranged from 1 to 11 feet. A slag unit was present beneath the fill and extended beyond the vertical limit of the test pits. The slag unit was described as grey/white, well graded, loose, and dry. Based on previous investigations, bedrock is composed mostly of dark gray and black fissile shale. To aid in understanding the subsurface lithology at the Site, geologic cross-sections prepared during the 2004 RFI have been included in Appendix B (Figures 2-22 through 2-33A).

2.4 Site Hydrogeology

Historically, due to the proximity of Lake Erie and municipal supplied water, groundwater in the area has not been developed for industrial, agricultural, or public supply purposes. There is a deed restriction that prohibits the use of groundwater on the property (see Appendix C). Consequently, no groundwater supply wells are present on the 1,100-acre Tecumseh property. Based on previous investigations completed on the Tecumseh property in the general vicinity of the Steel Winds Site, groundwater modeling indicates that shallow groundwater generally flows west toward Lake Erie. Historical groundwater elevation measurements taken from monitoring wells on the Site indicate that the first water bearing zone (i.e., water table) ranges from 10 to as much as 50 feet below grade within the slag/fill unit. The confined and saturated groundwater unit within the uppermost part of the bedrock is assumed to discharge into Lake Erie.

During the SI, perched groundwater was encountered at the interface of the slag and black organic soils observed at the bottom of the excavation in test pit WT-1 (10-20'). Otherwise, groundwater was not encountered. Groundwater was observed at approximately 11 fbgs in MWN-01B, which is located at the southern end of the Site in the vicinity of WT-1. Figure 2A illustrates the groundwater elevation at WT-1 compared to the elevation observed in MWN-01 and MWN-01B.

2.5 Utilities

The following utilities are present on or near the Site:

- Electric and Telephone Utilities: The only active electric power and data transmission lines on or immediately adjacent to the Steel Winds Site are the new buried lines installed by BQ Energy related to the wind farm.

- Railroad Tracks: Several active railroad tracks owned and operated by South Buffalo Railway are located several thousand feet east of the Site. These tracks are owned by South Buffalo Rail Road (SBRR) or Tecumseh and are used to service tenants within the 1,100-acre Tecumseh property and on the adjacent Gateway Trade Center or SBRR property.

- Water: There is no water service to the Steel Winds Site.

- Sanitary Sewers: There are no sanitary or storm sewers on the Steel Winds Site.

2.6 Wetlands and Floodplains

Information related to "important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats or endangered or threatened species proximate to the Site was researched and reported in the "RCRA Facility Investigation Report, Part III: Ecological Risk Assessment" Former Bethlehem Steel Corporation, October 2004. The following provides a brief summary of the conclusions from that report:

- There are no wetlands on the subject Site; however, several State wetlands are located within 2 miles of the adjacent Tecumseh Site.

- The Site is "adjacent to a Significant Coastal Fish and Wildlife Habitat, Smokes Creek Shoals." The significance is due to the importance of Smokes Creek Shoals as a walleye spawning area.

- There are no threatened or endangered species, nor important plant habitats listed at the Site.

2.7 Previous Site Investigations

The only site investigation conducted prior to the BCP Site Investigation on or adjacent to the Steel Winds Site is the RCRA Facilities Investigation (RFI) conducted by Bethlehem Steel over the period of 1990 to 1999. As the RFI focused primarily on SWMUs that are located off the Steel Winds Site, virtually no historical soil/fill data exists for the Steel Winds Site. Four monitoring well clusters (MWN-01 through MWN-04), however, were installed on the subject property by BSC as part of the RFI activities to monitor groundwater quality in the vicinity of those wells. Appendix A includes monitoring well installation logs and well completion details obtained from the October 2004 final RCRA Facility Investigation Report, prepared by URS Corporation (Ref. 1). As described in Appendix B (Tables 2-3, 2-6, and 2-7), these monitoring wells, as well as adjacent off-site monitoring well cluster MWN-05, were installed for the following reasons:

- MWN-01: to determine hydraulic head next to Smokes Creek.
- MWN-02: to monitor groundwater quality along the lakeshore downgradient of SWMU S-10 and Tank Farm Area.
- MWN-03: to establish groundwater quality along the lakefront southwest of the closed Tar Sludge Impoundment and the potential limits of any contaminant plume that may have resulted from that unit.
- MWN-04: to evaluate potential discharges along the lakefront from Lime Stabilized Spent Pickle Liquor Sludge Landfill.
- MWN-1B, MWN-2B, MWN-3B: deep well screened in the sand unit and paired with existing wells to evaluate groundwater quality in the sand unit along the lake shoreline.
- MWN-2D, MWN-3D: bedrock well paired with well clusters to evaluate groundwater quality in the bedrock unit along the lake shoreline.
- MWN-05(A): lakefront well sited to evaluate possible discharges from the SWMUs in Zone 5 including SWMUs S-14 and S-18. MWN-05A was installed to replace MWN-05 which did not sufficiently screen the water table.

- MWN-05B: deep well screened in the sand unit and paired with existing well MWN-05; to evaluate groundwater quality in the sand unit along the lake shoreline.

- MWN-05D: bedrock well located adjacent to existing well pair MWN-05A/B; to evaluate groundwater quality and provide groundwater elevation data in Zone 4.

As described in the 2004 RFI, benzene and naphthalene are the most commonly observed constituents in groundwater collected from these on-site wells throughout the various rounds of sampling. In monitoring well pairs near the shoreline (i.e., MWN-01 through MWN-04), total BTEX concentrations were typically less than 100 µg/L and tended to be higher in the sand unit than in the fill unit. Low levels of BTEX (non-detect to 12 µg/L) were also detected in bedrock wells near the shoreline. Tables 1A and 1B summarize the groundwater analytical data collected from on-site and off-site monitoring wells during various sampling events between 1991 and 1999. Appendix B contains relevant figures, tables, and analytical data for well clusters MWN-01 through MWN-05.

2.7.1 On-Site Geology

This geology discussion pertains to on-site monitoring wells MWN-01, MWN-01B, MWN-02, MWN-02B, MWN-02D, MWN-03, MWN-03B, MWN-03D, and MWN-04 as well as off-site wells MWN-05A, MWN-05B, MWN-05D, only. The well suffix designations A, B, and D identify which hydrostratigraphic unit each well is designed to monitor (an "A" or no suffix designates a soil/fill well; a "B" designates a sand well; and a "D" designates a bedrock well). These hydrostratigraphic units are discussed further in the next section. During advancement, five major subsurface units were encountered and identified as follows: soil/fill, sand, silt and clay, till, and bedrock. During advancement of well cluster MWN-03, a minor peat unit was identified. A brief discussion of each unit follows:

- Soil/Fill: This unit consists of iron-making and steel-making slag, cinders, coke, ashes, and brick and steel construction debris generated from BSC plant activities combined with granular fill soils. The thickness of the soil/fill unit varies from approximately 30 to 60 feet thick. Boring log descriptions based upon split-spoon samples collected during advancement describe the soil/fill as being light grey or dark brown fine to coarse silty sand with fine to coarse grey gravel (Ref. 1). Soil/fill unit wells include: MWN-01, MWN-01B (soil/fill and sand), MWN-02, MWN-03, MWN-04, and MWN-05A.

- Sand: A thin, dark grey, fine, silty sand lake deposit lies beneath the soil/fill unit at the Steel Winds Site. The sand unit is continuous across the Site; however the unit pinches out around the Coke Oven Area of the Tecumseh property approximately 2500 feet east. The sand unit is approximately 10 feet thick throughout the Site with some thinning in the vicinity of MWN-03 well cluster. The RFI identified two sources of the sand comprising this unit; dredge spoils and proglacial lake deposits. Almost the entire Site is underlain by dredge spoils, which comprise two USACE dumping grounds as shown on Figure 2. Differentiation between these two sand sources is not possible, mainly because they are derived from essentially the same source areas and hydraulic regime (i.e., near shore lacustrine sand deposits) (URS, October 2004). Sand unit wells include: MWN-01B (soil/fill and sand), MWN-02B, MWN-03B (sand, clay, and peat), and MWN-05B.

- Silt and Clay: Underlying the sand unit is a grey, laminated silt and clay unit that may have formed as a result of slow glacial sedimentation in deeper, low-energy, offshore areas of the lake bottom (Ref. 1). Occasional thin, fine-to-coarse laminated sand lenses exist within this unit possibly due to offshore currents which re-deposited sand from near shore areas. The silt and clay unit is thickest around well cluster MWN-03 (approximately 30 feet) and thins to approximately 10 feet at the north and south ends of the Site. Clayey silt and silty clay lenses were differentiated during the RFI based upon grain size testing, however in the context of this discussion, these lenses are considered a single unit. In conjunction with the till unit described below, the silt and clay unit acts as an aquitard to the saturated bedrock beneath it. Only one silt and clay unit monitoring well, identified as MWN-03B (sand, clay, and peat), exists on-site; this well, however, is screened across three distinct units: a separate and localized upper silt and clay unit immediately below the soil/fill unit; a localized peat deposit; and the sand unit. The peat and upper silt and clay units were not observed anywhere else at the Site and are considered localized to this location.

- Peat: The peat unit consists of unconsolidated, dark grey or dark brown, clayey silt with some organic matter. The RFI qualifies this unit as dissimilar from true peat, which is a partially decomposed mass of vegetation containing little mineral material, mainly because of the presence of the clayey silt and is more accurately identified as organic silt. Origins of peat can be attributed to geologically recent swamp deposits formed by the accumulation of decayed plant matter in poorly drained areas (Ref. 1); similar origins are attributed to the on-site peat unit. This on-site peat unit is not considered a major stratigraphic unit because it only occurs in relatively thin (less than 10 feet)

lenses of small areal extent overlying sand, or silty clay in the absence of sand. Only one well, screened across three distinct units (sand, clay, and peat), including the peat unit exists on-site and is identified as MWN-03B.

- Till: Underlying the silt and clay unit is a stiff, reddish-brown to grey silty clay till with some occasional sand, gravel, and limestone boulders. In general, till is a compact, non-stratified deposit consisting of materials transported by glacial advance and retreat; ultimately creating a post-depositional till that becomes compacted by the weight of overlying ice during these cycles. The till at the Site is not of uniform thickness measuring approximately 30 feet thick at the north end, approximately 2 feet thick in the central portion, and approximately 20 feet thick in the south end of the Site. In conjunction with the silt and clay unit previously described, the till unit acts as an aquitard to the saturated bedrock beneath it. There are no on-site wells screened within the till unit.

- Bedrock: The upper most bedrock at the Site is composed of dark grey and black fissile Skaneateles and Marcellus Shales of the Middle Devonian aged Hamilton Group (Ref. 1). Minor bedrock strata used to distinguish the upper (Skaneateles) shale from the lower (Marcellus) shale is the occurrence of calcareous beds, pyrite, and 10 feet of grey limestone at the base of the Skaneateles shale called the Stafford Limestone. The Stafford subcrops across the Steel Winds and Tecumseh Sites along a northeast-southwest trending strike identified in on-site well MWN-02D and off-site well MWN-25D. Boring logs indicate that the shale/limestone surface is undulating, with as much as 50 feet of relief. Two east-west trending bedrock valleys were identified during the RFI, one in the northern portion and the other in the southern portion of the Tecumseh Site, parts of which include the Steel Winds Site. Those bedrock valleys are filled with unconsolidated deposits of till, silt, clay, and sand topped with industrial soil/fill material. Bedrock unit wells include: MWN-02D, MWN-03D, and MWN-05D.

2.7.2 On-Site Hydrogeology

The Steel Winds site hydrogeology is dominated by its proximity to Lake Erie as well as the characteristics of the on-site subsurface materials. Based on the geology, two saturated units exist at the Site; an unconfined soil/fill and sand groundwater unit and a confined bedrock groundwater unit. According to subsurface information collected during the RFI, a continuous aquitard consisting of silt, clay, and till units that together range in thickness from 2 feet to more than 50 feet separate these two water bearing units (Ref. 1).

This aquitard creates a confined condition within the upper fractured zone of the bedrock unit.

The lower, saturated portion of the soil/fill unit, along with the hydrostratigraphically connected sand unit, both described in Section 2.7.1, comprise the low-yield (less than 5 gallons per minute), shallow, unconfined water table groundwater unit at the Site; the major component of which flows westerly toward Lake Erie while a localized portion flows south toward Smokes Creek. This water table unit ranges in thickness from 10 to 30 feet. The bedrock groundwater unit occurs within moderately to extremely weathered shale approximately in the upper 10 feet (or less) with the degree of weathering decreasing with depth. The hydraulic conductivity of the bedrock is relatively low as well as variable and is reflective of the degree of weathering/fracturing existing throughout this unit. Of the 9 Steel Winds monitoring wells, four are screened within the soil/fill unit (MWN-01, MWN-02, MWN-03, and MWN-04), one screened within the sand unit (MWN-02B), one screened across the soil/fill and sand units (MWN-01B), one screened across the sand, clay, and peat units (MWN-03B), and two screened within the bedrock (MWN-02D and MWN-03D). Off-site adjacent wells MWN-05A, MWN-05B, and MWN-05D are screened across the soil/fill, sand, and bedrock units, respectively.

Unconfined horizontal gradients across the Site range from 0.0012 ft/ft to 0.0024 ft/ft (Ref. 1). In general, unconfined vertical gradients calculated during the RFI for the on-site monitoring wells indicate an upward gradient between the soil/fill and sand units, a downward gradient between the sand and bedrock units, and temporal fluctuation between the soil/fill and bedrock units. Water levels collected from on-site monitoring wells during the SI/RAR concur with these findings. Recharge to the unconfined water table mainly occurs through infiltration of precipitation and subsequently discharges to Lake Erie and Smokes Creek.

Insufficient data exists to determine the hydraulic gradient of the bedrock groundwater unit, however it is assumed to discharge to Lake Erie. Due to the overlying thick layer of low-permeability silty clay and dense till (i.e., aquitard), the leakage rate calculated during the RFI indicates, together with the continuous nature of the confining layer, that it is an effective aquitard that hydraulically separates the bedrock groundwater unit from the overlying unconfined water table (Ref. 1). As such, recharge from overlying

deposits is very small and in conjunction with the low permeability of the shale bedrock, the rate of discharge to Lake Erie is also low.

3.0 SITE INVESTIGATION APPROACH

The purpose of the Site Investigation (SI) was to more fully characterize slag/fill and groundwater at the Steel Winds Site. On-site field activities included: surface and subsurface slag/fill sampling; existing monitoring well development and sampling; collection of hydraulic data; and completion of a Site survey. The SI was geared toward collection of representative analytical data to fully characterize on-site source area slag/fill, slag/fill outside the wind turbine excavation footprints but within Site boundaries, and groundwater quality. This section summarizes the scope and purpose of the Site Investigation. Detailed field and analytical protocols are contained in the SI/RAR Work Plan. Results of the SI are contained in Section 4.0 of this report.

A supplemental off-site soil/fill and groundwater investigation was conducted in the vicinity of wind turbines WT-1 and WT-8 to further assess and characterize soil/fill and groundwater impacts in these areas. Details of the investigation activities are provided in the memorandum submitted to the NYSDEC on May 9, 2007 (see Appendix D) and are summarized in Section 3.6 of this report.

3.1 General

The SI included the following field activities to delineate and characterize on-site slag/fill as well as assess groundwater at the Site:

- Analysis of representative surface and subsurface slag/fill sample(s) to establish concentrations of Constituents of Potential Concern (COPCs) within the slag/fill matrix (e.g., RCRA metals) outside the wind turbine footprints.

- Collection and analysis of groundwater samples and groundwater potentiometric data from existing installed monitoring wells on the Site and water level data only from existing monitoring wells on the adjacent Tecumseh property.

Each sampling location was surveyed and plotted on the Site base map shown on Figure 3.

3.2 Constituents of Potential Concern

Based on historical data review and Site use, the main COPCs on the Steel Winds Site are semi-volatile organic compounds (SVOCs) [e.g., benzo(a)pyrene (BaP and BaP equivalents] and certain heavy metals (e.g., arsenic) in surface and subsurface slag/fill.

SVOCs may originate from several sources, including residues resulting from the burning of fossil fuels associated with the operation of former steel mills, as well as coal handling, coke and coke by-product manufacturing operations historically conducted on the Site. Metals are present in the slag as a result of steel manufacturing. Volatile organic compounds (VOCs), specifically BTEX, from historic fuel use and coal tar by-products processing may also be encountered. Six subsurface composite samples, consisting of four grab samples each, and twenty-seven surface samples were collected and analyzed for full TCL/TAL analyses to quantify these COPCs and identify any additional COPCs.

3.3 Wind Tower Slag/Fill Assessment

A slag/fill assessment was performed during excavation of the wind turbine footprints and their interconnecting conduit trenches. In accordance with the Work Plan, the samples were collected to provide a comprehensive characterization within the excavation limits for the wind turbine foundations. Visual assessment and field screening of slag/fill was also performed.

The excavated slag/fill was monitored for staining or discoloration, and was field-screened for the presence of VOCs with a photoionization detector PID. If fill was encountered that was visibly stained, discolored relative to other fill, or produced elevated PID readings (i.e., sustained readings of 5 ppm above background or greater), it was characterized and handled as an Interim Remedial Measure (IRM) as described in Section 8.0.

3.4 Slag/Fill Characterization

To assess and provide additional surface and subsurface data outside the wind turbine footprints, supplemental surface (0-3 inches below surface) and subsurface (3 inches to 4 feet below surface) slag/fill samples were collected from areas of the Site not previously sampled (see Figure 3). A total of 27 surface samples (approximately 1 per acre) were collected and analyzed for TCL SVOCs and TAL metals plus cyanide. Six subsurface composite samples, consisting of four grab samples each, were collected and analyzed for TCL VOCs, STARS List VOCs, TCL SVOCs, TAL metals plus cyanide. Synthetic precipitation leaching procedure (SPLP) was also performed on the subsurface slag /fill composite samples to assess the potential for these constituents to leach to groundwater.

3.5 Groundwater

In order to supplement existing historic groundwater quality data, existing on-site monitoring well clusters MWN-01 through MWN-04 and off-site monitoring well cluster MWN-05 were sampled to assess groundwater quality and determine if an increase in constituents of concern has occurred compared to upgradient off-site groundwater.

The following sections describe the sampling rationale and methodology. Monitoring well locations discussed in this section are shown on Figure 3. Appendix A contains monitoring well installation logs and well completion details.

3.5.1 Groundwater Elevation Measurements

On December 11 and 12, 2006, a minimum of 72 hours following completion of Site well development activities, depth to groundwater was measured in existing Site monitoring wells and ten off-site monitoring wells located to the east of the Site. Site wells are situated in a line parallel to Lake Erie and, as such, the additional off-site groundwater measurements were necessary to provide sufficient data to draw potentiometric surfaces for the three hydrostratigraphic units screened. Appendix E includes a tabular summary of groundwater elevation measurements. Figures 4 and 5 are isopotential maps showing the general direction of shallow and bedrock groundwater flow, respectively. Bedrock groundwater flows west toward Lake Erie. Shallow groundwater also flows west toward Lake Erie except at the south end of the Site where it flows in a southerly direction toward Smokes Creek.

3.5.2 Groundwater Sampling and Analysis

All groundwater monitoring wells were sampled in accordance with low-flow/minimal drawdown purge and sample collection procedures per the SI/RAR/IRM Work Plan. All groundwater samples were analyzed for TCL VOCs, STARS List VOCS, TCL SVOCs (base neutral only), and TAL metals plus cyanide. Appendix E contains well sampling logs.

3.6 Off-Site Soil/Fill and Groundwater Investigation

Following completion of the initial site investigation and IRM activities associated with the wind turbine excavations, a supplemental off-site soil/fill and groundwater sampling program was conducted in late May and early June 2007 adjacent to the south end

of the BCP parcel to provide supporting data for further assessment of groundwater impacts identified in well cluster MWN-01 and to support a more detailed evaluation of groundwater remediation alternatives in the vicinity of wind turbine WT-1. This goal of the assessment was to achieve a better understanding of the potential of the origin of on-site impacts noted in MWN-01 wells and to more fully characterize the extent that the BCP site may be contributing to off-site, downgradient impacts.

An additional investigation in the vicinity of wind turbine WT-8 was conducted to determine whether groundwater impacts identified during the Site Investigation in well cluster MWN-5 (located north of WT-8) originate from the Steel Winds site or are the downgradient recipient of adjacent Solid Waste Management Units (SWMUs). This investigation also supplemented existing groundwater flow direction information in both areas collected during the initial SI.

3.6.1 WT-1 Vicinity

In order to characterize the extent of impacts to soil/fill and groundwater adjacent to the boundaries of the BCP parcel in the vicinity of wind turbine WT-1, Benchmark advanced seven soil borings from ground surface to approximately 30 fbgs into the first water-bearing zone (i.e., slag/fill-sand unit interface). Composite samples were collected from the unsaturated zone at each boring/well location and submitted for TCL VOCs plus STARS, base-neutral SVOCs, and total arsenic analysis.

Four borings were completed with a 2-inch PVC stick-up monitoring well and three upgradient borings (WT1-01, -02 and -03) were completed with a 4-inch PVC well, screened from approximately 20 to 30 fbgs across the first water-bearing zone to monitor for off-site groundwater impacts observed in BCP wells MWN-01 and MWN-01B during the initial SI. Following well installation, the wells were developed, groundwater elevations measured, and samples collected and analyzed for TCL VOCs plus STARS, base-neutral SVOCs, and total arsenic in accordance with the procedures presented in Section 4.0 of the SI/RAR/IRM Work Plan (Ref. 2).

3.6.2 WT-8 Vicinity

In order to characterize the extent of impacts to soil/fill and groundwater adjacent to the boundaries of the BCP parcel in the vicinity of wind turbine WT-8, Benchmark

advanced two soil borings from ground surface to approximately 60 fbgs into the first water-bearing zone. Composite samples were collected from the unsaturated zone at each boring/well location and submitted for TCL VOCs plus STARS, base-neutral SVOCs, and total arsenic analysis.

The two borings were completed with a 2-inch PVC stick-up monitoring well, screened from approximately 50 to 60 fbgs across the first water-bearing zone to monitor for upgradient and downgradient groundwater impacts observed in BCP wells MWN-05A and MWN-05B during the SI. Following well installation, the wells were developed, groundwater elevations measured, and samples collected and analyzed for TCL VOCs plus STARS, base-neutral SVOCs, and total arsenic in accordance with the procedures presented in Section 4.0 of the SI/RAR/IRM Work Plan (Ref. 2).

3.6.3 Water Level Measurements

In conjunction with water level measurements collected on the nine new monitoring wells, a round of water level measurements was also collected from a selected group of RFI monitoring wells representative of the soil/fill and sand units spatially located to the east of the BCP parcel and the BCP well clusters. From these measurements, an isopotential map, presented as Figure 4, was completed for the soil/fill and sand units to supplement and confirm initial groundwater flow direction(s) determined during the initial SI. Examination of Figure 4 indicates that shallow groundwater flows westerly toward Lake Erie with a minor southerly component toward Smokes Creek.

3.6.4 Data Usability Summary

In accordance with the SI/RAR/IRM Work Plan, the laboratory analytical data from this investigation was independently assessed and, as required, submitted for independent review. Ms. Judy Harry of Data Validation Services located in North Creek, New York performed the data usability summary assessment for the slag/fill and groundwater samples, which involved a review of the summary form information and sample raw data, and a limited review of associated QC raw data. Specifically, the following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times

- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate Recoveries
- Field Duplicate Correlation
- Preparation/Calibration Blanks
- Control Spike/Laboratory Control Samples
- Instrumental Tunes
- Calibration Standards
-
- ICP Serial Dilution
- CRI/CRA Standards
- Instrument IDLs

The Data Usability Summary Report (DUSR) was conducted using guidance from the USEPA Region 2 validation Standard Operating Procedures, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment. Appendix F includes the DUSR, which was prepared in accordance with Appendix 2B of NYSDEC's draft DER-10 guidance. Those items listed above that demonstrated deficiencies are discussed in detail in the DUSR.

4.0 SITE INVESTIGATION RESULTS BY MEDIA

The following sections describe pertinent field observations and summarize the analytical results of the Site Investigation and the supplemental off-site soil/fill investigation in the vicinity of wind turbines WT-1 and WT-8. Tables 2 through 5 summarize the on-site slag/fill and groundwater analytical data. Figure 3 illustrates the slag/fill sampling and groundwater monitoring well locations. Tables 6 and 7 summarize the off-site soil/fill and groundwater analytical data, respectively, from the supplemental investigation. Off-site sampling locations are shown on Figures 6 and 7. Detailed analytical data from the SI and the supplemental off-site investigation is included in Appendix F.

4.1 Slag/Fill Analytical Results

Tables 2 and 3 present a comparison of the detected on-site surface and subsurface slag/fill parameters, respectively, to Soil Cleanup Objectives (SCOs) for protection of public health on both restricted-commercial and restricted-industrial properties per regulations contained in 6NYCRR Part 375-6 (December 2006). Table 6 presents a comparison of the detected off-site subsurface soil/fill parameters to the SCOs. The off-site soil/fill results are discussed separately in Section 4.1.3 and summarized with the on-site results in Section 4.1.4. Slag/fill analytical results that exceed restricted industrial SCOs (as well as restricted commercial SCOs), reflective of its current and planned future use, are highlighted in blue on the tables. The additional slag/fill analytical results that exceed the generally lower restricted-commercial SCOs are highlighted in yellow on the tables to illustrate broader extent of soil/fill impacts if an alternative less restrictive end use were to be considered. Discussions below are limited to comparison against the restricted-industrial SCOs based on the current and reasonably anticipated future industrial use of the Site.

4.1.1 Surface Slag/Fill

Surface slag/fill analytical results are discussed below according to contaminant class.

4.1.1.1 Semi-Volatile Organic Compounds

Benzo(a)pyrene was detected at concentrations slightly above its restricted-industrial SCO (1.1 ppm) in 12 of the 27 surface samples. The range of concentrations detected above the SCO in the 12 samples was 1.2 to 4.6 ppm.

4.1.1.2 Inorganic Compounds

Arsenic was detected at a concentration above its restricted-industrial SCO (16 ppm) in 3 of the 27 surface samples (i.e., SS-04, SS-15 and SS-29); concentrations above the SCO ranged from 17.2 to 28.3 J ppm. All three results were qualified as estimated. Manganese was detected at a concentration above its restricted-industrial SCO (10,000 ppm) in 15 of the 27 surface samples; concentrations above the SCO ranged from 11,200 to 44,300 ppm.

4.1.2 Subsurface Slag/Fill

Six subsurface composite samples, consisting of four grab samples each, were collected and analyzed for TCL VOCs, STARS List VOCs, TCL SVOCs, TAL metals plus cyanide, and synthetic precipitation leaching procedure (SPLP). Subsurface slag/fill analytical results are discussed below according to contaminant class. The subsurface observations and data obtained during excavation of the wind turbine footprints is summarized in Section 8.0 and detailed in the Final Engineering Report for the Steel Winds Site (Ref. 3). Representative photographs of the test pit excavations are included in Appendix D. Relevant information from Section 8.0 has been repeated within this section where appropriate. The results of the supplemental off-site soil/fill investigation are discussed in Section 4.1.3.

4.1.2.1 Volatile Organic Compounds

None of the analyzed VOCs were detected at concentrations above their respective restricted-industrial SCO. This was confirmed during the wind turbine footprint excavations as no IRM documentation samples exceeded the SCOs for VOCs.

4.1.2.2 Semi-Volatile Organic Compounds

Four polycyclic aromatic hydrocarbons (PAHs), specifically benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, and dibenzo(a,h)anthracene, were detected in Subsurface Composite Sample 6 at concentrations slightly above but within one order of magnitude of their respective restricted-industrial SCOs. These same PAHs were detected above the industrial SCOs during documentation sampling associated with wind turbine footprint excavations, with the addition of indeno(1,2,3-cd)pyrene. Benzo(a)pyrene was also detected at concentrations (1.3 J to 5 ppm) slightly above but at the same order of magnitude as its restricted-industrial SCO of 1.1 ppm in Subsurface Composite Samples 1, 2, 4, and 5.

Benzo(a)pyrene concentrations detected in the IRM documentation samples above the industrial SCO ranged from 1.2 to 45 ppm. The 45 ppm result was obtained from WT-7 at a depth of approximately 20 fbgs.

4.1.2.3 Inorganic Compounds

Arsenic was detected in Subsurface Composite Sample 1 at a concentration (17.7 ppm) slightly above its restricted-industrial SCO of 16 ppm. Arsenic concentrations detected in the IRM documentation samples above the industrial SCO ranged from 20.6 to 59.2 ppm. The 59.2 ppm result was obtained from WT-1 at a depth of approximately 20 fbgs. Manganese was detected at a concentration above its restricted-industrial SCO (10,000 ppm) in 3 of the 6 subsurface samples; concentrations above the SCO ranged from 10,400 to 20,400 ppm. The IRM documentation samples were not analyzed for manganese.

4.1.2.4 Synthetic Precipitation Leaching Procedure Results

The Synthetic Precipitation Leaching Procedure (SPLP), EPA Method 1312, was used to evaluate the potential for leaching of COPCs, i.e., metals and SVOCs into groundwater. This method provides a more realistic assessment of contaminant mobility from contact with naturally occurring precipitation at the Site. The extraction fluid used for the SPLP was an aqueous solution of sulfuric and nitric acids intended to simulate rain water.

Table 4 presents the results of the SPLP tests that were performed on Subsurface Composite Samples 1 through 6 (see Figure 3 for sample locations). As indicated, with the exception of calcium, none of the constituents produced significant concentrations in the SPLP leachate, indicating low leachability potential and limited potential for contravention of groundwater standards. Naphthalene was only detected in one subsurface composite sample (Subsurface Comp 4, near WT-6) at an estimated concentration of 4.3 µg/L, which is below the groundwater quality standard of 10 µg/L.

4.1.3 On-Site Slag/Fill Summary

Surface and subsurface slag/fill results were compared to the NYSDEC Part 375 restricted-industrial SCOs. As described above, slightly elevated concentrations of benzo(a)pyrene were observed in surface and subsurface slag/fill randomly across the Site. SVOCs may originate from several sources, including greases, lubricating and hydraulic oils,

and fuels associated with the operation of former steel mills, as well as coal handling, coke manufacturing, and coal tar processing operations historically conducted on the adjacent former BSC property.

Only one subsurface slag/fill and three surface samples contained arsenic concentrations slightly above but within the same order of magnitude as its restricted-industrial SCO. Of the 38 IRM documentation samples analyzed, 16 contained a concentration of arsenic above its industrial SCO; however, 7 of these results were obtained from samples collected at approximately 20 fbgs in the WT-1 excavation. Metals are ubiquitously present in the slag as a result of steel manufacturing.

Based on the slag/fill characterization results obtained during the SI and IRM documentation sampling, surface and subsurface slag/fill are not significantly impacted. Section 6.0 provides further assessment of the slag/fill data with respect to potential human health exposure risks.

4.1.4 Off-Site Subsurface Soil/Fill

Ten subsurface grab samples were collected and analyzed for TCL VOCs plus STARS, base-neutral SVOCs, and arsenic. Subsurface slag/fill analytical results are discussed below according to contaminant class.

4.1.4.1 Volatile Organic Compounds

None of the analyzed VOCs were detected at concentrations above their respective restricted-industrial SCO.

4.1.4.2 Semi-Volatile Organic Compounds

Two PAHs, benzo(a)pyrene and dibenzo(a,h)anthracene, were detected at concentrations slightly above but within the same order of magnitude of their respective restricted-industrial SCOs. In the vicinity of WT-1, benzo(a)pyrene concentrations above the industrial SCO (1.1 ppm) ranged from 1.1 to 4.8 ppm at depths of 2 to 26 fbgs. In the vicinity of WT-8, benzo(a)pyrene concentrations above the industrial SCO ranged from 1.6 J to 4.4 ppm at depths of 2 to 70 fbgs. Dibenzo(a,h)anthracene was detected slightly above its industrial SCO (1.1 ppm) at one location (WT1-03) at a concentration of 1.2 J.

4.1.4.3 Inorganic Compounds

Arsenic was detected in WT1-01 (2 to 26 fbgs) at a concentration of 55.1 ppm, which is within the same order of magnitude as its restricted-industrial SCO (16 ppm) and consistent with concentrations detected throughout this area in subsyurface soil/fill samples.

4.1.5 Overall Summary of On-Site and Off-Site Slag/Soil/Fill Data

Based on sample depth and location, it is most appropriate to compare the supplemental off-site soil/fill data (WT1-01 through WT1-07) collected from 2 to 26 fbgs (Table 6) to the IRM documentation sampling results from the WT-1 foundation excavation sidewalls and bottom collected at an approximate depth of 20 fbgs (Table 9). The concentrations of benzo(a)pyrene observed at WT-1 are higher than, but within one order of magnitude of, the off-site, upgradient sample locations. The concentration of arsenic observed on-site in the east wall sample was similar to the WT1-01 concentration (i.e., 59.2 vs 55.1 mg/kg) otherwise arsenic was below 16 mg/kg in all other off-site samples in the vicinity of WT-1. In addition, the black organic silt and clay encountered at approximately 10 fbgs in WT-1 was not observed in the off-site borings, confirming the heterogeneity of the subsurface fill. Based on the high degree of variability in composition and concentrations in the off-site and on-site borings, conclusions with respect to potential contaminant source contributions were not clearly identified. A companion analysis of the on-site and off-site groundwater concentrations and potential groundwater contaminant pathways are discussed in the following sections.

4.2 Groundwater Analytical Results

Tables 5 and 7 present a comparison of the detected parameters identified in on-site and off-site (upgradient/downgradient) groundwater, respectively, to the Class GA Groundwater Quality Standards/Guidance Values (GWQS/GVs) per NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1988). Appendix A contains on-site and off-site monitoring well installation logs and well completion details. Sample results are described below according to contaminant class as well as well location (on-site versus off-site). Figures 6 and 7 present the off-site supplemental results for the WT-1 and WT-8 vicinity, respectively.

4.2.1 On-Site Groundwater

4.2.1.1 Volatile Organic Compounds

Benzene and total xylenes were detected at concentrations above Class GA GWQS/GV in 6 of the 9 on-site wells sampled. Benzene concentrations (6 to 150 µg/L) were within one to two orders of magnitude above the GWQS/GV of 1 µg/L whereas total xylene concentrations (5.3 J to 69 µg/L) were within one order of magnitude of its GWQS/GV (5 µg/L). Toluene was detected at concentrations (19 to 28 µg/L) above but within one order of magnitude of its GWQS/GV (5 µg/L) in 3 of the 9 on-site wells sampled Monitoring wells MWN-01 and MWN-01B contained concentrations of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene slightly above the GWQS/GV of 5 µg/L. All VOC exceedances were detected in the fill and sand units with one exception; benzene (6 µg/L) and total xylenes (5.3 J µg/L) were detected slightly above their respective GWQS/GV in bedrock well MWN-03D.

A total of 10 VOCs were detected in off-site monitoring well MWN-05B above but within one order of magnitude of GWQS/GV. Five of the 10 VOCs detected in MWN-05B were not detected above GWQS/GV in on-site wells. MWN-05B is located in the sand unit north of the Site and downgradient of SWMU 18.

4.2.1.2 Semi-Volatile Organic Compounds

Several SVOCs were detected at concentrations above GWQS/GV in 6 of the 9 on-site wells. The most frequent exceedances were 2-methylphenol, 4-methylphenol, and naphthalene. The range of concentration above GWQS/GV was 1 J to 14 µg/L for 2-methylphenol, and 3 J to 32 µg/L for 4-methlyphenol. These observed concentrations are within one order of magnitude of the GWQS/GV. The range of naphthalene concentrations detected above the GWQS/GV of 10 µg/L was 14 to 1,100 µg/LAll naphthalene detections were qualified as also being present in the associated blank. A total of 9 SVOCs were detected at concentrations above GWQS/GV in off-site monitoring well MWN-05B located north of the Site in the sand unit.

4.2.1.3 Inorganic Compounds

Total arsenic was detected in 2 of the 9 on-site wells at concentrations of 27 to 70.6 µg/L, which exceed the GWQS/GV of 25 µg/L. Total chromium was detected in 2 of the 9 on-site wells at concentrations of 55.6 and 146 µg/L, which exceed the GWQS/GV of 50

µg/L. Other metals detected at levels above GWQS/GV were limited to total barium, iron, magnesium, manganese, and nickel in 3 of the 9 wells. Sodium was detected at concentrations above GWQS/GV in all on-site wells.

Arsenic (43.6 µg/L) and chromium (306 µg/L) were detected in off-site well MWN-05B at concentrations above their respective GWQS/GV. Other metals detected in off-site well cluster MWN-05 at levels above GWQS/GV were limited to total barium, beryllium, cadmium, iron, lead, magnesium, manganese, nickel, and sodium.

4.2.2 Off-Site Groundwater

Off-site groundwater was evaluated as part of the Supplemental Soil/Fill and Groundwater Investigation conducted at the Steel Winds Site. All monitoring wells were installed off-site and both upgradient and downgradient of wind turbines WT-01 and WT-08. Therefore, groundwater results discussed in this section pertain primarily to upgradient versus downgradient groundwater quality as compared with GWQS/GV.

4.2.2.1 Volatile Organic Compounds

In the vicinity of wind turbine WT-01, benzene (43 to 93 ug/L), toluene (5.2 to 13 ug/L), and total xylenes (14 to 43 ug/L) were detected at concentrations exceeding their respective GWQS/GV in all three upgradient monitoring wells (WT1-01, -02 and -03) . In general, those same compounds were detected at lower concentration ranges but still exceeding their respective GWQS/GV at all four downgradient monitoring well locations (WT1-04 through WT1-07). Groundwater in upgradient well WT1-01 also contained concentrations of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene exceeding GWQS/GV.

In the vicinity of wind turbine WT-08, benzene, toluene, and 1,2,4-trimethylbenzene were detected at concentrations exceeding their respective GWQS/GV in upgradient monitoring well WT8-01. These VOCs were not detected in downgradient groundwater collected from WT8-02.

4.2.2.2 Semi-Volatile Organic Compounds

In the vicinity of wind turbine WT-01, benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene were detected at concentrations exceeding their respective GWQS/GV in all three upgradient monitoring

wells. In addition, benzo(k)fluoranthene exceeded the GWQS in one of the three upgradient wells, and phenanthrene in two of the three upgradient wells. Groundwater upgradient to WT-01 also contained benzo(k)fluoranthene (WT1-02) and phenanthrene (WT1-01 and WT1-03) at concentrations above the GWQS/GV. In general, the above mentioned compounds were detected at concentrations exceeding their respective GWQS/GV in all four downgradient monitoring well locations with the following exceptions: benzo(b)fluoranthene was not detected in downgradient well WT1-06; indeno(1,2,3-cd)pyrene was not detected in downgradient wells WT1-06 and WT1-07; and phenanthrene was only detected at a concentration exceeding the GWQS in downgradient wells WT1-04 and WT-06. Please refer to Figure 6 for detailed spider diagram summary of these results.

In the vicinity of wind turbine WT-08, benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, chrysene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding their respective GWQS/GV in upgradient monitoring well WT8-01 as well as downgradient well WT8-02. Benzo(k)fluoranthene and naphthalene were detected at concentrations exceeding the GWQS in upgradient well WT8-01 but not in downgradient well WT8-02. Please refer to Figure 7 for detailed spider diagram summary of these results.

4.2.2.3 Inorganic Compounds

Groundwater in the vicinity of wind turbines WT-01 and WT-08 were only analyzed for total arsenic. Concentrations exceeding the arsenic GWQS were only detected in wind turbine downgradient wells WT1-04 (28.6 ug/L) and WT1-07 (51.8 ug/L). All other results were either non-detect or below the GWQS.

4.2.3 Overall Summary of On-Site and Off-Site Groundwater Data

In order to supplement existing historic groundwater quality data, off-site monitoring well cluster MWN-05 and existing on-site monitoring well clusters MWN-01 through MWN-04 were sampled to assess groundwater quality and determine if an increase in constituents of concern has occurred.

VOC and SVOC groundwater data indicate the greatest on-site impact within the fill and sand units at the southern property boundary (MWN-01) near Smokes Creek as compared to other on-site locations. With respect to the bedrock unit, two VOCs (benzene,

total xylenes) slightly exceeded the GWQS/GV in bedrock well MWN-03D. Two total arsenic exceedances were noted in wells MWN-02B and MWN-03B, and two chromium exceedances in wells MWN-02D and MWN-03B. Other detected constituents were generally limited to naturally occurring metals and minerals. Contaminant concentrations observed in bedrock wells above GWQS/GV were generally limited to the total chromium concentration (146 µg/L) observed in MWN-02D as well as barium, iron, magnesium, nickel, and sodium.

VOCs, SVOCs, and metals were detected above GWQS/GV in off-site monitoring well MWN-05B, screened within the sand unit north of the Site. The total VOC concentration in MWN-05B was almost twice that observed in on-site well MWN-01 (fill). In general, SVOC and metal concentrations observed in MWN-05B were higher than those detected in on-site wells.

The following comparison can be made between the historical maximum groundwater concentrations summarized in Tables 1A and 1B to the 2006 SI data presented in Table 5:

- The concentration of benzene in MWN-01B increased from 54 µg/L in 1999 to 110 µg/L in 2006.
- The concentration of toluene in MWN-01B essentially remained the same between the 1999 (21 µg/L) and 2006 (26 µg/L) sampling events.
- The concentration of total xylenes in MWN-01B essentially remained the same between the 1999 (23 µg/L) and 2006 (24 µg/L) sampling events.
- The concentration of naphthalene in MWN-01B decreased slightly between the 1999 (1,200 µg/L) and 2006 (1,100 BD µg/L) sampling events.
- The concentration of arsenic (total) in MWN-03B decreased slightly between the 1999 (84.8 J µg/L) and 2006 (70.6 µg/L) sampling events.
- Total chromium was not detected at a concentration above the GWQS/GV of 50 µg/L in on-site historical groundwater samples. The highest concentration of total chromium detected during the 2006 SI was 146 µg/L in well MWN-02D. In 1999, total chromium was detected at a concentration of 1.1 B µg/L in MWN-02D.

- The concentrations of benzene, toluene, and total xylenes in off-site monitoring well MWN-05B, located north of the Steel Winds BCP Site, were of the same order of magnitude between the 2006 SI and the 1992 RFI sampling event. The naphthalene concentration in MWN-05B decreased from 1,600 µg/L in 1992 to 960 BD µg/L in 2006. Dissolved arsenic and chromium were not detected in historical groundwater samples; total arsenic and chromium were detected at concentrations above GWQS/GV in MWN-05B during the 2006 SI.

In the vicinity of WT-1, the analytical results from the supplemental investigation are somewhat ambiguous and suggest groundwater impacts both upgradient and downgradient of the Site. Off-site upgradient VOC concentrations are in most cases comparable or higher than off-site downgradient VOC concentrations. With the exception of naphthalene, the SVOC concentrations detected downgradient are not significantly higher to conclude that the Steel Winds Site is the principal source of groundwater contamination. Naphthalene concentrations observed in downgradient wells are higher than upgradient wells by an order of magnitude. Arsenic was not detected in upgradient wells but was detected in downgradient well WT1-04 at a concentration slightly above its GWQS.

In the vicinity of WT-8, analytical results from the supplemental investigation show VOCs upgradient of the Site at concentrations slightly above GWQS; these VOCs were not detected in the downgradient well. Several PAHs were detected at higher concentrations downgradient of the Site. The naphthalene concentration observed in downgradient well WT8-02 was below the GWQS. Naphthalene was detected at a concentration of 210 ppb in upgradient well WT8-01, which is well above the GWQS of 10 ppb. Arsenic was not detected in the downgradient well but was detected in the upgradient well at a concentration below its GWQS.

4.3 Overall Investigation Summary

Overall, the slag/fill data indicate marginal exceedances of industrial SCOs, with the exceedances generally involving select polycyclic aromatic hydrocarbons (PAHs) and inorganic compounds (i.e., arsenic). These constituents tend to be ubiquitous as a result of the coal handling, coke manufacturing, and coal tar processing operations historically conducted on the surrounding former BSC property, and the prevalence of slag within the sampled matrix. The SCOs are generic lookup values deemed protective of human health for a specific end use, with the industrial SCOs derived for a typical industrial setting. A

more extensive analysis of the slag/fill data with respect to the use of the Site as a wind farm is presented in Section 6.0.

A review of the groundwater data collected in support of the RI and the supplemental off-site investigation show that exceedances of GWQS/GV generally occur for similar constituents in off-site upgradient groundwater at comparable concentrations as downgradient on-site groundwater. Specifically, this was confirmed in the vicinity of WT-08 where the off-site upgradient well (WT8-01) demonstrated greater overall groundwater quality impacts than the downgradient off-site well (WT8-02).This demonstrated that the VOC, SVOC, and metal constituents observed at concentrations above GWQS/GV in MWN-05B are more likely a direct result of the upgradient influence of SWMU-18 than impacts from the BCP parcel located to the south and cross-gradient of the MWN-05 well cluster.

As previously noted, with the exception of naphthalene, the results of the supplemental investigation in the vicinity of WT-1 were not conclusive with respect to on-site and off-site contributions to groundwater quality and demonstrated that the imparts are variable and difficult to quantify in this area.

Comparison of constituents detected above GWQS/GV to the corresponding detected constituents in the overburden slag/fill in the vicinity of the wells indicates that Site slag/fill does not appear, with the possible exception of arsenic, to be appreciably contributing to groundwater contaminant loadings. The petroleum-related VOCs detected in Site groundwater above GWQS/GV were not detected in subsurface slag/fill samples collected across the Site, indicating the source of these contaminants most likely originates off-site. Some of the SVOCs and metals detected in Site groundwater above GWQS/GV were also detected in Site slag/fill; however, , the slag/fill concentrations of these constituents were relatively low at both the surface and subsurface sample locations. .

On-site slag/fill tested using the SPLP methodology, exhibited the potential for minor contributions to groundwater loadings as evidenced by the non-detectable to trace concentrations of metals and SVOCs identified in the SPLP leachate (Table 4). These results indicate that the potential for groundwater impacts due to leaching of on-site slag/fill COPCs are relatively negligible. As presented in Section 4.1.2.4, the SPLP data indicates no potential for contravention of GWQS. Although naphthalene was detected in one

subsurface composite sample at an estimated concentration of 4.3 µg/L, this concentration is below the GWQS of 10 µg/L.

5.0 FATE AND TRANSPORT OF COPCs

The slag/fill and groundwater sample analytical results were incorporated with the physical characterization of the Site to evaluate the fate and transport of COPCs in Site media. The mechanisms by which the COPCs can migrate to other areas or media are briefly outlined below.

5.1 Airborne Pathways

Potential migration pathways involving airborne transport of slag/fill COPCs include erosion and transport of soil particles and sorbed chemical constituents in fugitive dust emissions, and volatilization from subsurface soil vapor.

5.1.1 Fugitive Dust

Non-volatile chemicals present in slag/fill can be released to ambient air as a result of fugitive dust generation. Since the Site is vegetated with shrubs, grasses, and trees, and because most of the fill consists of large grained slag, suspension due to wind erosion or physical disturbance of surface slag/fill particles is unlikely. Under the planned future industrial land use, limited portions of the Site may be covered by asphalt and structures with only small areas covered by grass and/or ornamental landscaping. Fugitive dust may be generated during future excavation activities during or following redevelopment. Therefore, this migration pathway is potentially relevant under the reasonably anticipated future land use scenario.

5.1.2 Volatilization

Volatile constituents are not present in subsurface slag/fill; therefore, this migration pathway is not relevant. Since the construction and operation of the wind turbines precludes future Site development of any additional buildings/structures, it is highly improbably that volatile chemicals present in groundwater would be released to ambient or indoor air via volatilization through the slag/fill. Therefore, the groundwater-to-air pathway is not potentially relevant.

5.2 Waterborne Pathways

Chemicals in subsurface soils could be potentially transported via storm water runoff during excavation or construction activities, or leaching to groundwater.

5.2.1 Surface Water Runoff

Under the current use scenario, the potential for soil particle transport with surface water runoff is low, as the Site surface consists of large grained slag, sparse vegetation, and miscellaneous piles of C&D debris. Uncontrolled off-site transport is further limited because the Site is outside the 100-year floodplain. Under the planned future industrial land use, limited portions of the Site may be covered by asphalt and structures with only small areas covered by grass and/or ornamental landscaping, mitigating transport of subsurface (i.e., covered) slag/fill via storm water runoff. Although stormwater runoff during excavation activities is possible during the future use scenario, erosion controls are typical construction practice and are required under NYSDEC storm water regulations for disturbances at sites greater than 1 acre in size. Therefore, surface water runoff is not a relevant migration pathway for the Site.

5.2.2 Leaching to Groundwater

Leaching refers to chemicals present in soil migrating downward to groundwater as a result of infiltration of precipitation. However, it is necessary to determine how much of that contamination will actually contribute to a violation of groundwater standards upon reaching and dispersing into groundwater. When contamination leaves a particle of soil in the form of leachate, there are many mechanisms at work that prevent all of the contamination that leaves the contaminated soil from impacting groundwater. For instance, some of the contamination that initially leaches from the soil will be absorbed by other soil particles before it reaches groundwater, while some will be reduced through natural attenuation or other mechanism. These mechanisms occur during transport and may work simultaneously. They include: 1) volatilization; 2) sorption and desorption; 3) leaching and diffusion; 4) transformation and degradation; and 5) change in concentration of contaminants after reaching and/or mixing with the groundwater surface.

The very low concentrations of VOCs detected in subsurface composite samples were not the VOCs detected in Site groundwater. Some of the SVOCs detected in

subsurface composite samples were also detected in Site groundwater. The ubiquitous presence of arsenic in the Site subsurface soil/fill and the slightly elevated arsenic groundwater concentrations at MWN-02B and MWN-03B indicate that minimal arsenic impacts from soil/fill leaching may be occurring in isolated locations. In addition, the presence of elevated naphthalene concentrations in the groundwater in MWN-01B and corresponding soil/fill concentrations in the IRM samples collected in WT-01 indicate that naphthalene may also be leaching to the groundwater in this area. Since the majority of constituents detected in Site groundwater above GWQS/GV do not appear to be leaching from subsurface slag/fill, it appears that some on-site groundwater impacts are originating from sources upgradient of the Site.

Based on the SPLP data discussed in Section 4.1.2.4, the maximum allowable concentration of arsenic in soil to be protective of groundwater quality is substantially higher than the concentrations observed. Therefore, the risk of groundwater contamination posed by the slag/fill is minimal but does appear to occur.

Therefore with the exception of arsenic and naphthalene, the potential for leaching to groundwater is not a significant migration pathway for the Site.

5.3 Exposure Pathways

Based on the analysis of chemical fate and transport provided above, the pathways through which Site COPCs could potentially migrate to other areas or media are fugitive dust emissions via physical disturbance of soil particles. However, given the distance between the Site and NYSDEC/NYSDOH requirements for dust controls during excavation at remedial program construction sites, it is unlikely that site-related COPCs would reach off-site receptors at significant exposure point concentrations.

6.0 RISK ASSESSMENT

The conclusions of the site-specific human health risk assessment and potential ecological risks are summarized in the following sections.

6.1 Baseline Human Health Risk Assessment

Based on the current and reasonably anticipated future use of this unique BCP Site as a wind-based power generation facility, Steel Winds is proposing site-specific exposure parameters for the industrial worker scenario to be consistent with a conservative estimate of planned and reasonably anticipated human activity on the BCP Site. That is, the operation and maintenance activities associated with the wind turbines will require a maintenance worker to be on-site and exposed to surface soil/fill no more than 4 hours per week. Typically, the exposure would be limited to the time required for the worker to walk from a service vehicle, enter the wind turbine tower access structure, and/or inspect the associated transformer pad adjacent to the tower. The majority of the proposed 4-hour/week exposure duration will actually occur in the turbine nacelle, which is approximately 250 feet above ground, precluding all potential exposure pathways, including inhalation. In rare instances, maintenance of buried wind turbine electrical and data cables may be required, and this is factored into the assumptions related to direct exposure to shallow sub-surface soil/fill. Thus, the maintenance worker would potentially be exposed to soil from incidental ingestion, dermal contact, and inhalation of particulates in air while working outdoors.

The "Track 3 Restricted Use – Site Specific Cleanup" approach identified under the 6NYCRR Part 375 Brownfield Cleanup Program (BCP) regulations allows for the development or modification of soil cleanup objectives consistent with the procedures employed by the NYSDOH to derive the health-based lookup values in Part 375-6. As such, Geomatrix Consultants, Inc. (Geomatrix) evaluated the potential health risks for maintenance workers at the Steel Winds Site by preparing a human health risk assessment (HHRA), included as Appendix G, in accordance with U.S. Environmental Protection Agency (USEPA) guidelines (Ref. 5). This HHRA conservatively quantifies possible health impacts to maintenance workers associated with exposure to site-related chemicals in soil. As indicated above, the adult worker will likely be present at the Site one day per week for a 31-week period (i.e., during the warmer months of the year) for an exposure duration of 21.9 years following BCP recommendations for exposure. The site-specific surface and

subsurface soil/fill data generated from the Site Investigation sampling activities was used to estimate the potential health risks. The results of the HHRA were then compared to USEPA acceptable risk levels. The evaluation of the potential health risk at the Site was completed in a five-step process: data evaluation; selection of chemicals of concern; exposure assessment; toxicity assessment; and risk characterization. All relevant exposure pathways were quantitatively evaluated in the risk calculations.

Based on the conclusions of the HHRA, exposure to chemicals in soil will not result in an unacceptable cancer risk (i.e., greater than $1x10^{-6}$ excess cancer risk) under the conditions evaluated for this receptor, nor will it result in unacceptable non-cancer risks (i.e., Hazard Index >1). Because of the number of assumptions that are required during the risk assessment process, some degree of uncertainty is inevitably associated with the risk and hazard estimates. However, given that the largest sources of uncertainty generally result in overestimates of exposure or risk, it is believed that results presented in the HHRA are based on conservative estimates.

According to the NYSDEC, the Track 3 Restricted Use – Site Specific Cleanup approach cannot take into consideration site-specific data relative to exposure time. Based on NYSDEC's interpretation of the Part 375 regulations, there can be no modification of the exposure scenarios that were the basis for deriving the industrial SCOs. The NYSDEC's April 11, 2007 comment letter has been included in Appendix G with the HHRA.

6.2 Potential Ecological Risks

The Steel Winds Site is the former BSC Lackawanna Works (Tecumseh Redevelopment) property that was created from the historic disposal of slag fill along the Lake Erie shoreline. It is a former industrial facility located within a developed, urban area in the City of Buffalo. The Site is vacant with no current structures, and the surface contains slag/fill, residual demolition debris, and limited vegetative and brush growth, providing little or no wildlife habitat or food value. The reasonably anticipated future use is industrial (power generation) with the majority of the Site covered by concrete wind turbine foundations, access roads, and the steel-making slag/fill that was the primary material deposited to create the Site. As such, no unacceptable ecological risks are anticipated under the current or reasonably anticipated future use scenario.

Moreover, SPLP testing was conducted on the subsurface composite samples, representative of the entire Site, to evaluate the potential for leaching of COCs into

groundwater. As indicated in Table 4, with the exception of calcium and sodium minerals, none of the constituents produced significant concentrations in the SPLP leachate, indicating low leachability potential and no potential for contravention of groundwater standards. Naphthalene was detected in the SPLP extract of one subsurface composite sample at an estimated concentration of 4.3 µg/L, which is below the groundwater quality standard of 10 µg/L.

7.0 SUMMARY AND CONCLUSIONS

Based on the information and analyses presented in the preceding sections, constituents of concern (COCs) at the Site are comprised of petroleum-based VOCs, PAHs, and metals. These COCs are present in Site groundwater and, to a lesser extent, surface and subsurface slag/fill. With limited exceptions the surficial slag/fill across the Site does not contain COCs above regulatory criteria and, where present are found at levels (i.e., arsenic and benzo(a)pyrene) that are marginally above the restricted-industrial SCOs and ubiquitous within the slag/fill across the Site. Based on the unique nature of the Site redevelopment, which has been largely completed in conjunction with the construction of the wind turbines, and the current and intended future use of the Site (power generation), the presence of low levels of these constituents will not interfere with the intended use for the remaining undeveloped portions of the Site not impacted by the IRM activities with appropriate institutional and engineering controls.

It was determined during the course of SI planning that remedial measures would be required to address impacted slag/fill excavated during wind turbine foundation and trench construction. Specifically, an Interim Remedial Measure (IRM) involving slag/fill remediation was recommended during the SI process in lieu of delaying this measure until after completion of the SI/RAR. A discussion of the IRM construction is presented in Section 8.0.

8.0 INTERIM REMEDIAL MEASURES

An IRM was implemented at the Steel Winds Site concurrent with SI activities. Details of the IRM approach are described in the September 2006 SI/RAR/IRM Work Plan (Ref. 2). IRM activities are summarized below and detailed in the February 2007 Final Engineering Report (Ref. 3).

During wind turbine foundation and trench construction, slag/fill excavation occurred at each of the eight footprints. The proposed foundation footprints were approximately 76 feet in diameter and approximately 6-10 feet deep (i.e., investigation zones); actual dimensions are presented in the Final Engineering Report (Ref. 3). TurnKey and NYSDEC personnel inspected the excavation of each investigation zone to determine the presence or absence of impacted slag/fill materials. Representative photographs of the test pit excavations are included in Appendix E.

8.1 IRM Excavation Activities

Characterization and assessment of the slag/fill material was performed during excavation of the eight wind turbine foundations designated as WT-1 through WT-8. Excavation activities were performed by TVIG, Inc and/or its subcontractors. TVIG is a construction management company contracted to BQ Energy, LLC for the construction of the eight wind turbines and associated infrastructure. Slag/fill characterization and documentation sampling was performed by TurnKey Environmental Restoration, LLC on behalf of the property owner (Tecumseh Redevelopment, Inc). Table 6 presents the results of the documentation sampling. The excavated slag/fill was monitored for staining or discoloration, and was field screened for the presence of VOCs with a photoionization detector (PID) fitted with a 10.7 eV lamp. Elevated PID readings are defined as sustained readings of greater than or equal to 5 ppm above background.

Foundation excavation activities began on September 13, 2006 and were completed on October 18, 2006. Hydraulic excavators were used to excavate and stockpile the slag/fill material adjacent to each foundation, followed by dynamic compaction of the excavation floor. Excavation did not extend vertically past an average depth of approximately 10 feet below ground surface (fbgs) with the exception of WT-1 and WT-7, where the excavations were extended to approximately 20 fbgs. After construction of the wind turbine

foundations, each excavation was backfilled with on-site slag material except as described below.

At wind turbine WT-1, TurnKey personnel observed black organic silt and clay with olfactory impacts at the base of the excavation (approx. 10 fbgs). TVIG collected several samples of this organic soil from the excavation floor for geotechnical testing. Based on the data from this geotechnical testing, TVIG concluded the organic soil was not structurally suitable for the wind turbine foundation and additional excavation was necessary for structural integrity. Therefore, approximately 10 additional feet of material was removed from the base of the excavation. Table 7 summarizes the documentation sampling results for WT-1 at the final depth of 20 fbgs. A sample of the organic soil was also collected and analyzed for USEPA Methods 8021 STARS List VOCs, 8270 SVOCs (base neutrals only) and RCRA Metals. These results are summarized on Table 8. At several locations within the excavation, visual or olfactory impacts were noted in the soil/fill. In accordance with the Work Plan, this material (i.e., sediment/silt clay) was segregated and staged on plastic sheeting north of the excavation. Since it was not suitable for foundation backfill and space was limited for turbine construction within the BCP Site, this staged material was later moved off-site to the adjacent Tecumseh property pending TurnKey and NYSDEC determination on soil handling requirements.

At wind turbine location WT-7, the excavated soil/fill was unsuitable for structural foundation support at the initial proposed depth of 6-10 fbgs. Although no visual and olfactory impacts were noted in this fill material, it contained large quantities of construction and demolition debris as well as other non-soil/slag debris. TVIG continued excavation to a depth of approximately 20 fbgs until suitable slag was encountered. The excavated soil/fill from the WT-7 excavation was initially sampled to assess the nature of the material. The results of this testing indicated no impact; however, since the material was unsuitable for foundation backfill, it was consolidated in a berm on the BCP Site to the southwest of the WT-7 excavation. All large pieces of scrap metal and miscellaneous tires were removed from the soil/fill during consolidation. The scrap metal was consolidated for off-site recycling with Tecumseh's licensed scrap recovery firm, Iron City Recovery, and the tires will be disposed off-site as part of IRM activities associated with placement of a soil cover. A further composite of the consolidated berm material was also collected during the SI

investigation (Subsurface Comp 5) to confirm that this material was not impacted relative to the industrial SCOs. These results are reported in Table 3.

8.2 IRM Documentation Sampling

Documentation sampling was performed on the sidewalls and bottom of the excavations after lateral excavation limits were achieved and visibly impacted fill, if any, had been removed. At 5 of the 8 wind turbine foundation excavations, a minimum of one sidewall sample was collected on each of the four sides of the excavation and one on the bottom of the excavation. At two locations (WT-4 and WT-6), only one sidewall sample was collected due to a potential visual or olfactory impact; there were no PID readings above background. Field observations indicated a dark grey fine to medium grain fill material along the southwest wall of the excavation at WT-4. The fill material was excavated, placed on plastic sheeting west of the excavation, and sampled. Table 8 summarizes the sampling results of the WT-4 stockpiled material. A sample was collected on the northeast sidewall of WT-6 as NYSDEC personnel detected a slight naphthalene odor. No documentation samples were collected at wind turbine location WT-5 because PID readings were not above background (i.e., < 0 ppm) and field observations did not indicate olfactory or visually impacted slag/fill material.

Within test pits WT-1 through WT-8, TurnKey personnel collected a total of 6 bottom and 27 sidewall documentation samples. In addition, NYSDEC collected one composite and one grab sample from WT-1 at approximately 20 fbgs.

8.3 IRM Sampling Results

With limited exceptions, all documentation samples verified conformance with restricted-industrial SCOs (see Table 6 and 7). Arsenic and benzo(a)pyrene slightly exceeded their respective SCOs at several locations. Other SVOCs, specifically PAHs, were also detected in WT-7 and WT-8, as well as in the lower samples collected from WT-1. The Final Engineering Report (Ref. 3) provides a detailed discussion of IRM documentation sampling results.

SVOCs may originate from several sources, including the combustion of fossil fuels associated with the operation of former steel mills, as well as coal handling, coke manufacturing, and coal tar processing operations historically conducted on the Site. In

addition to these constituents, metals associated with steel manufacturing are also expected to be ubiquitous in surface and subsurface soil/fill at the Site.

TurnKey and NYSDEC representatives concurred that documentation sample results were not indicative of impacted slag/fill. In addition, since the minor exceedances of the restricted-industrial SCOs were at depth and covered by a minimum of 2 feet of soil/fill at all locations, future exposure based on anticipated use was minimized to the extent possible.

9.0 REMEDIAL ALTERNATIVES EVALUATION

9.1 Remedial Action Objectives

The final remedial measure for the Steel Winds Site must satisfy Remedial Action Objectives. Remedial Action Objectives (RAOs) are site-specific statements that convey the goals for minimizing or eliminating substantial risks to public health and the environment. For the Steel Winds Site, appropriate RAOs are:

- Remove or cover impacted slag/fill to levels protective of human health.
- Mitigate loadings to groundwater from impacted slag/fill at levels that could be expected to result in exceedance of groundwater quality standards.

In addition to achieving RAOs, NYSDEC's Brownfield Cleanup Program calls for remedy evaluation in accordance with the December 2002 DER-10 Technical Guidance for Site Investigation and Remediation (Ref. 4). Specifically, the guidance states "When proposing an appropriate remedy, the person responsible for conducting the investigation and/or remediation should identify and develop a remedial action that is based on the following criteria..:"

- **Overall Protection of Public Health and the Environment**. This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure are eliminated, reduced, or controlled through removal, treatment, engineering controls, or institutional controls.
- **Compliance with Standards, Criteria, and Guidance (SCGs)**. Compliance with SCGs addresses whether a remedy will meet applicable environmental laws, regulations, standards, and guidance.
- **Long-Term Effectiveness and Permanence**. This criterion evaluates the long-term effectiveness of the remedy after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated: (i) the magnitude of the remaining risks (i.e., will there be any significant threats, exposure pathways, or risks to the community and environment from the remaining wastes or treated residuals), (ii) the adequacy of the engineering

and institutional controls intended to limit the risk, (iii) the reliability of these controls, and (iv) the ability of the remedy to continue to meet RAOs in the future.

- **Reduction of Toxicity, Mobility or Volume with Treatment**. This criterion evaluates the remedy's ability to reduce the toxicity, mobility, or volume of Site contamination. Preference is given to remedies that permanently and significantly reduce the toxicity, mobility, or volume of the wastes at the Site.

- **Short-Term Effectiveness**. Short-term effectiveness is an evaluation of the potential short-term adverse impacts and risks of the remedy upon the community, the workers, and the environment during construction and/or implementation. This includes a discussion of how the identified adverse impacts and health risks to the community or workers at the Site will be controlled, and the effectiveness of the controls. This criterion also includes a discussion of engineering controls that will be used to mitigate short term impacts (i.e., dust control measures), and an estimate of the length of time needed to achieve the remedial objectives.

- **Implementability**. The implementability criterion evaluates the technical and administrative feasibility of implementing the remedy. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.

- **Cost**. Capital, operation, maintenance, and monitoring costs are estimated for the remedy and presented on a present worth basis.

- **Community Acceptance**. This criterion evaluates the public's comments, concerns, and overall perception of the remedy.

9.2 Alternatives Evaluation

After construction of the wind turbine foundations, each excavation was backfilled with on-site excavated slag material with the exception of soil/fill removed from WT-1 and WT-7. Visually or olfactory impacted soil/fill encountered during excavation of the footprint for wind turbine WT-1 was segregated, sampled, and stockpiled off-site on the adjacent Tecumseh Redevelopment property pending determination on final disposition requirements. WT-7 soil/fill that was unsuitable for backfill, due to geotechnical/structural

support concerns, was tested and determined to contain concentrations of constituents below SCOs; this material was consolidated on-site in a berm.

Surface and subsurface slag/fill results were compared to the NYSDEC Part 375 restricted-industrial SCOs. Slightly elevated concentrations of PAHs (primarily benzo(a)pyrene and naphthalene) and arsenic were observed in surface and subsurface slag/fill across the Site above restricted-industrial SCOs. PAHs are ubiquitous to industrial sites and metals are naturally occurring in the slag as a result of steel manufacturing. Remediation of the slag/fill to achieve the restricted-industrial SCOs is not economically feasible nor is it necessary from a human health perspective, as discussed in Section 6.0.

As discussed in Sections 4.3 and 5.2.2, constituents detected in Site groundwater above GWQS/GV are either not present in the slag/fill overburden or as demonstrated through SPLP testing are not leaching from on-site subsurface slag/fill, indicating the source of these contaminants most likely originates off-site. Concentrations observed in off-site well clusters MWN-05 were generally higher than those detected in on-site wells, indicating that Site groundwater impacts are attributable to background conditions and/or upgradient SWMUs. As such, remediation of Site groundwater at the north end of the Site will not be evaluated. Groundwater at the southern end of the Site shows impacts both upgradient and downgradient. Therefore, groundwater remediation for this portion of the Site will be evaluated.

In developing and screening the remedial alternatives, NYSDEC's draft Part 375 regulations require that the reasonableness of the anticipated future land be factored into the evaluation. The regulations identify 16 criteria that must be considered. These criteria and the resultant outcome for the Steel Winds Site are presented in Appendix H. As indicated, the land use evaluation supports industrial redevelopment as the reasonably anticipated future use of the Site.

Five remedial action alternatives have been screened below for soil/fill and groundwater. The No Further Action alternative assumes use of the Site for industrial purposes, with no additional cleanup activities beyond that which was performed as part of the IRM. The Soil Cover System alternative was evaluated to provide a basis for comparison to the No Further Action alternative and a reasonable remedial alternative for Site soil/fill. Enhanced aerobic bioremediation with ORC® was evaluated for the VOC and naphthalene-impacted groundwater in the vicinity of WT-1. Two delivery methods, injection and filter

socks, for the ORC were evaluated separately. An Unrestricted Use Scenario was also evaluated as required under 6NYCRR Part 375.

9.2.1 No Further Action

"No further action" is defined as performing no additional cleanup activities at the Site beyond that which was already removed from the Site during IRM activities (i.e., approximately 3,000 -4,000 cubic yards of slag/fill). The efficacy of the No Further Action alternative will continue to be maintained and monitored via the Site Management Plan. The Site Management Plan addresses three key post-remedial areas: soil/fill management, which assures soil/fill removed from the Site is handled in a safe and environmentally responsible manner and provides methods for addressing unknown areas of impact, if discovered; post-remedial groundwater monitoring, which monitors impact from residual, unremediated off-site soil/fill; and an environmental easement, which limits use of the Site for industrial purposes (restricted use) and precludes use of Site groundwater.

Overall Protection of Public Health and the Environment – The IRM achieved removal of impacted slag/fill (exposed and removed as a result of wind turbine foundation excavation) to restricted-industrial SCOs. While several areas of the Site indicated residual slag/fill impact, the HHRA discussed in Section 6.1 and presented in Appendix G concluded no unacceptable human health risk based on the current data and anticipated site-specific exposure. However, as discussed in Section 6.1, the exposure scenarios cannot be modified to include site-specific exposure frequency data. Therefore, the No Further Action alternative is not protective of human health and the environment nor does it achieve the RAOs for the Site.

Compliance with SCGs – The IRM was performed in accordance with applicable, relevant, and appropriate standards, guidance, and criteria. Since several areas of the Site indicated residual slag/fill impact above industrial SCOs, the "No Further Action" alternative does not satisfy this criterion.

Long-Term Effectiveness and Permanence – Since the IRM achieved removal of impacted slag/fill, little residual wastes remain on the Site. As such, the "No Further

Action" alternative is expected to provide long-term effectiveness and permanence. This criterion would be monitored via groundwater monitoring to be completed as part of post-remedial operation, maintenance, and monitoring for the Site.

Reduction of Toxicity, Mobility, or Volume with Treatment – Through removal of impacted slag/fill, the IRM permanently and significantly reduced the toxicity, mobility, and volume of Site contamination. Accordingly, the "No Further Action" alternative satisfies this criterion.

Short-Term Effectiveness – The short-term adverse impacts and risks to the community, workers, and environment during implementation of the IRM were effectively controlled. Temporary safety construction fencing was placed around the outer perimeter of the work area to distinguish the work zone and discourage trespassing. During slag/fill excavation, dust monitoring was performed to assure conformance with NYSDOH-approved community air monitoring action levels. The potential for chemical exposures and physical injuries were reduced through safe work practices, proper personal protective equipment (PPE), environmental monitoring, establishment of work zones/site control, and appropriate decontamination procedures. The IRM achieved the RAOs for the Site in approximately 1 month.

Implementability – No technical or action-specific administrative implementability issues were associated with implementation of the IRM.

Cost – There is no capital cost for the No Action Alternative. Groundwater monitoring and annual certifications are estimated at $11,500 annually for a 30-year present worth cost of approximately $177,000. Table 11 provides a breakdown of the quantities and unit costs for each item specific to this alternative.

Community Acceptance – The IRM Work Plan was advertised and made available for comment with the BCP application. No comments opposing the work were received.

9.2.2 Soil Cover System

A soil cover system would involve clearing/grubbing the Site of existing vegetation, placement of a 1-foot soil cover over the entire Site, followed by seeding to promote vegetative growth. The estimated total volume of clean soil required for the cover system is approximately 38,,000 cubic yards.

Overall Protection of Public Health and the Environment – The Soil Cover System Alternative is protective of human health and the environment and successfully achieves the RAOs for the Site.

Compliance with SCGs – Soil cover activities would necessitate preparation of and adherence to a community air monitoring plan for particulates in accordance with NYSDEC TAGM 4031. Placing a protective soil cover over the Site would comply with the industrial SCOs.

Long-Term Effectiveness and Permanence – Construction of the soil cap would prevent slag/fill contaminant migration via surface erosion and prevent direct contact with the contaminated slag/fill. To provide for long-term permanence of this alternative, regular inspection of the cover and possible repair of the soil and vegetative layers would be required to assure cover integrity. In addition, groundwater monitoring would be required to check for impacts from the impacted slag/fill.

Reduction of Toxicity, Mobility, or Volume with Treatment – Placement of a soil cover would reduce the mobility of contaminants due to soil erosion and reduced surface water infiltration. The toxicity and volume of contaminants would not be reduced under this alternative.

Short-Term Effectiveness – The short-term adverse impacts and risks to the community, workers, and environment during implementation of the Soil Cover System alternative are not significant. Site workers would likely be required to wear personal protective equipment (PPE) during placement of the soil cover to prevent direct contact with slag/fill. Dust control methods would be used to limit the release of particulates during placement of the soil cover. No significant risks to the community or the environment are

anticipated under this alternative. The Remedial Action Objectives would be achieved once the vegetative cover was established (est. 3 months).

Implementability – No technical or action-specific administrative implementability issues are associated with implementation of the soil cover system.

Cost – The estimated capital cost for this alternative is approximately $1.2 million. Annual OM&M costs for groundwater monitoring, cover maintenance, and annual certifications are estimated to be $13,500, resulting in an estimated 30-year present worth cost of $1.4 million. This alternative adds costs without added protection to human health or the environment. Table 12 provides a breakdown of the quantities and unit costs for each item specific to this alternative.

Community Acceptance – Community acceptance would be evaluated based on comments from the public.

9.2.3 Enhanced Aerobic Bioremediation – ORC Injection

Enhanced aerobic bioremediation can be accomplished through various treatment technologies including Oxygen Release Compound (ORC®). ORC *Advanced*™ is a proprietary formulation of phosphate-intercalated calcium oxyhydroxide developed by Regenesis that, when hydrated, produces a controlled release of oxygen (17% of its weight) for periods of up to 12 months on a single application. Oxygen is often the limiting factor for aerobic microbes capable of biologically degrading contaminants such as petroleum hydrocarbons. Without adequate oxygen, contaminant degradation will either cease or may proceed by much slower anaerobic (oxygen-free) processes. ORC *Advanced*™ is designed to release oxygen, into the subsurface, for up to one year depending on site conditions. In the presence of this long-lasting oxygen source, aerobic microbes flourish accelerating natural attenuation of gasoline and fuel additives (BTEX and MTBE), diesel, kerosene, jet fuel, gas condensates, fuel oils, lubricants, bunker oil, PAHs, certain metals (arsenic), certain pesticides/herbicides and certain industrial solvents (alcohols and ketones).

The recommended injection approach would be based on the installation of 180, 2-inch permanent monitoring wells in a grid pattern to a depth of approximately 30 fbgs at the

southern end of the Site. The ORC *Advanced*™ slurry would be injected into the bottom 10 feet of the well. Pumps for installing the material in the subsurface should have a pumping rate of at least three gallons per minute and a pressure rating of at least 500 pounds per square inch (psi). It has been assumed for cost estimating purposes that only one injection of ORC would occur.

In order to validate the effectiveness of ORC *Advanced*™ treatment, groundwater monitoring would be conducted at selected downgradient wells. Also, a baseline round of sampling would be performed to identify the aquifer conditions prior to the installation of this material. After ORC *Advanced*™ has been injected into the subsurface, groundwater samples would be collected from downgradient wells MWN-01, MWN-01B, WT1-04, and WT1-05 for analysis of TCL VOCs, SVOCs (base neutral), and arsenic semi-annually for the first 2 years and annually for the next 3 years..

Overall Protection of Public Health and the Environment – This alternative would be protective of human health and the environment, as it would be expected to reduce contaminants in the groundwater below GWQS in a reasonably short timeframe. Therefore, this alternative would meet the RAOs for the Site.

Compliance with SCGs – This alternative is expected to reduce contaminant concentrations in the groundwater below GWQS.

Long-Term Effectiveness and Permanence – This alternative is expected to provide long-term effectiveness in remediating contaminated groundwater thereby reducing impacts to off-site groundwater. Impacted soil/fill in the saturated zone would also be remediated providing for long-term permanence.

Reduction of Toxicity, Mobility, or Volume with Treatment – The toxicity, mobility, and volume of contaminants in the saturated soil/fill and groundwater would be significantly and permanently reduced through in-situ biological degradation enhancement.

Short-Term Effectiveness – There would be no short-term risks or disruptions posed to site workers, the community, or the environment due to implementation of this alternative. The RAOs would be achieved once groundwater monitoring verifies cleanup

effectiveness (est. 1-2 years). With the use of ORC, there is minimal site disturbance with no above-ground piping or mechanical equipment; no operations and maintenance costs; and no hazardous materials handling or disposal.

Implementability – Implementation of this in-situ alternative would be subject to significant technical implementability issues. Recent installation of seven monitoring wells in the WT-1 vicinity demonstrated that the drilling conditions in this area are extremely difficult requiring multiple relocations of nearly all well locations due to auger refusal, significant drilling equipment damage as a result of the slag/fill conditions and substantial delays in installation times (typically more than double the standard installation time anticipated). It is therefore assumed that injection of ORC using direct-push methods would not be possible and that injection via a drilling rig would also be extremely difficult; installation of the required number of wells would not be feasible. No action-specific administrative implementability issues are associated with this alternative.

Cost – The 30-year present worth cost is estimated to be $347,000 with a projected $330,000 for capital expenditures and a present worth O&M cost of approximately $17,000 for groundwater monitoring over the 5-year remediation period. Table 13 provides a breakdown of the quantities and unit costs for each item specific to this alternative.

Community Acceptance – Community acceptance would be evaluated based on comments from the public.

9.2.4 Enhanced Aerobic Bioremediation – ORC Filter Socks

Enhanced aerobic bioremediation using Oxygen Release Compound (ORC®) *Advanced*™ is described in Section 9.2.3. In filter sock form, ORC *Advanced*™ is placed into monitoring wells where the compound reacts when contacted with water. Upon exhaustion, which can take up to 1 year, filter socks can be removed and replaced to replenish the oxygen supply and continue treatment. Filter socks would be placed in upgradient, off-site monitoring wells WT1-01 through WT1-03 and two proposed on-site groundwater monitoring wells to be located upgradient of wells MWN-01 and MWN-01B.

It has been assumed for cost estimating purposes that ORC filter socks would be replaced every six months over a remediation period of five years. Depending on the results

of ORC monthly performance monitoring described in the following paragraph, the ORC replacement frequency may be adjusted.

In order to validate the effectiveness of ORC *Advanced*™ treatment, groundwater monitoring would be conducted at selected wells. Initially, a baseline round of sampling would be performed to identify the aquifer conditions prior to the installation of this material. After ORC *Advanced*™ has been installed into the subsurface, groundwater samples would be collected from downgradient wells MWN-01, MWN-01B, WT1-04, and WT1-05 for analysis of TCL VOCs, SVOCs (base neutral), and arsenic semi-annually for the first 2 years and annually for the next 3 years. To evaluate the consumption of ORC and its effectiveness, we propose monthly monitoring during the first six months for the following manufacturer-recommended parameters:

- Field redox parameters: oxidation-reduction potential (ORP), pH, dissolved oxygen (DO), dissolved manganese, and dissolved (ferrous) iron.
- Biochemical Oxygen Demand (BOD5-day) and Chemical Oxygen Demand (COD) at selected groundwater monitoring wells within treatment area.

As previously noted, based on the results of this initial six month monitoring, adjustments, if necessary, to the planned 6-month sock replacement schedule would be made accordingly.

Overall Protection of Public Health and the Environment – This alternative would be protective of human health and the environment, as it would be expected to reduce contaminants in the groundwater below GWQS in a reasonably short timeframe. Therefore, this alternative would meet the RAOs for the Site.

Compliance with SCGs – This alternative is expected to reduce contaminant concentrations in the groundwater below GWQS.

Long-Term Effectiveness and Permanence – This alternative is expected to provide long-term effectiveness in remediating contaminated groundwater thereby reducing impacts to off-site groundwater. Impacted soil/fill in the saturated zone would also be remediated providing for long-term permanence.

Reduction of Toxicity, Mobility, or Volume with Treatment – The toxicity, mobility, and volume of contaminants in the saturated soil/fill and groundwater would be significantly and permanently reduced through in-situ biological degradation enhancement.

Short-Term Effectiveness – There would be no short-term risks or disruptions posed to site workers, the community, or the environment due to implementation of this alternative. The RAOs would be achieved once groundwater monitoring verifies cleanup effectiveness (est. 1-2 years). With the use of ORC, there is minimal site disturbance with no above-ground piping or mechanical equipment, no operations and maintenance costs, and no hazardous materials handling or disposal.

Implementability – Implementation of this in-situ alternative would not be subject to special technical implementability issues. Placement of the ORC® socks would require standard equipment and labor, both of which are readily available. No action-specific administrative implementability issues are associated with this alternative.

Cost – The 30-year present worth cost is estimated to be $102,000 with a projected $80,000 for capital expenditures and a present worth O&M cost of approximately $22,000 for groundwater monitoring over the 5-year remediation period. Table 14 provides a breakdown of the quantities and unit costs for each item specific to this alternative.

Community Acceptance – Community acceptance would be evaluated based on comments from the public.

9.2.5 Unrestricted Use

An Unrestricted Use Alternative would necessitate remediation of all slag/fill where COPCs exceed unrestricted use SCOs per 6NYCRR Part 375. For unrestricted use scenarios, excavation and off-site disposal of impacted soil/fill is generally regarded as the most applicable remedial measure, because institutional controls cannot be used to supplement the remedy. As such, the Unrestricted Use alternative assumes that approximately 350,000 cubic yards of material (assuming a depth of approximately 6 feet below grade) would be excavated and disposed off-site. The same volume of clean soil would be necessary to backfill the excavation. In addition, an investigation would be

required to determine the minimum distance from the wind turbine foundations that excavation activities could occur in order to maintain the structural integrity of these structures. It is anticipated that the slag material within a 200-foot by 200-foot square area surrounding each of the eight wind turbines could not be disturbed. Strict institutional controls would be required for these areas, including perimeter fencing and a maintained cover system of either asphalt or concrete.

Overall Protection of Public Health and the Environment – The Unrestricted Use Alternative would achieve the corresponding Part 375 SCOs, which are designed to be protective of human health under any reuse scenario.

Compliance with SCGs – Similar to the IRM soil/fill removal activities, the Unrestricted Use Alternative would need to be performed in accordance with applicable, relevant, and appropriate standards, guidance, and criteria.

Long-Term Effectiveness and Permanence – The unrestricted use alternative would achieve removal of nearly all residual impacted slag/fill; the residual wastes surrounding the wind turbine foundations would be covered and maintained. As such, the Unrestricted Use Alternative would provide long-term effectiveness and permanence with regular maintenance of the cover system. Post-remedial monitoring and certifications would be required.

Reduction of Toxicity, Mobility, or Volume with Treatment – Through removal of all nearly all the impacted slag/fill and construction of a cover system over the residual wastes, the Unrestricted Use Alternative would permanently and significantly reduce the toxicity, mobility, and volume of Site contamination.

Short-Term Effectiveness – The short-term adverse impacts and risks to the community, workers, and environment during implementation of the Unrestricted Use Alternative are not significant. Site workers would likely be required to wear personal protective equipment (PPE) during excavation to prevent direct contact with slag/fill. Dust control methods would be used to limit the release of particulates during placement of the

backfill soils. No significant risks to the community or the environment are anticipated under this alternative. The Remedial Action Objectives would be achieved once the vegetative cover was established (est. 6 months).

Implementability – Several technical and action-specific implementability issues would be encountered in construction of the Unrestricted Use Alternative. In particular, the wind turbines have already been constructed. Excavation up to the wind turbine foundations would not be possible as the structural integrity of the structures would be compromised. Administrative implementability issues would include the need for rezoning of the area, since residential, agricultural, and other unrestricted uses are not consistent with current zoning or the reasonably anticipated future use of the Site.

Cost – The capital cost for the Unrestricted Use Alternative is estimated at $47.8 million. Annual OM&M costs for groundwater monitoring; cover and fence maintenance; and annual certifications are estimated to be $14,000, resulting in an estimated present worth cost of $48 million. Table 15 provides a breakdown of the quantities and unit costs for each item specific to this alternative.

Community Acceptance – Community acceptance would be evaluated based on comments from the public, were the Unrestricted Use Alternative pursued.

9.3 Recommended Remedial Measure

Based on the above screening and the conclusions of the Site Investigation, the Soil Cover System alternative satisfies the Remedial Action Objectives for the soil/fill and is protective of human health and the environment. Accordingly, a soil cover system is the recommended final remedial approach for impacted soil/fill on the Steel Winds Site. Soil cover systems are considered presumptive remedies. To expedite remediation of the Site, Benchmark submitted to NYSDEC an Interim Remedial Measures (IRM) Work Plan for Soil Cover System on May 29, 2007 and a final version on June 14, 2007. Benchmark received a verbal approval of the IRM Work Plan from NYSDEC on June 18, 2007. Benchmark in conjunction with Zoladz Construction was given awarded a contract on July 5, 2007 and is scheduled to begin construction activities on July 16, 2007. The total present worth cost for the Soil Cover System is estimated at $1.4 million.

The proposed remedial approach for the impacted groundwater in the vicinity of WT-1 is Enhanced Aerobic Bioremediation via ORC Filter Socks, as described in Section 9.2.4. It is assumed that ORC filter socks would be replaced every six months over a 5-year period. Groundwater monitoring would be conducted to evaluate the effectiveness of this remedy; semi-annually for the first two years and annually for the remaining three years. The need for additional ORC treatments and monitoring beyond the planned 5-year remedial implementation period would be evaluated in conjunction with the NYSDEC. The total present worth cost for groundwater treatment via ORC *Advanced*™ filter socks is estimated at $102,000.

10.0 REFERENCES

1. URS Consultants, Inc. 2004. *RCRA Facility Investigation (RFI) Report for the Former Bethlehem Steel Corporation Facility, Lackawanna, New York, Parts I through VII*, prepared for Bethlehem Steel Corporation. October.

2. TurnKey Environmental Restoration, LLC. 2006. *Site Investigation/Remedial Alternatives Report/Interim Remedial Measures Work Plan,* prepared for BQ Energy, LLC. September.

3. TurnKey Environmental Restoration, LLC. 2007. *Final Engineering Report,* prepared for BQ Energy, LLC. February.

4. New York State Department of Environmental Conservation. 2006. Final *DER-10; Technical Guidance for Site Investigation and Remediation.* December.

5. USEPA. 1989. *Risk Assessment Guidance for Superfund, Volume 1, Human Health Evaluation Manual, Part A, Interim Final.* Office of Emergency and Remedial Response, Washington, D.C.

TABLES

TABLE 1A

HISTORICAL ON-SITE GROUNDWATER ANALYTICAL DATA SUMMARY
1991 through 1999

October 2004 RFI
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	1991 through 1999																		GWQS/GV (ug/L) [2]
	MWN-01		MWN-01B		MWN-02		MWN-02B		MWN-02D		MWN-03		MWN-03B		MWN-03D		MWN-04		
	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	
Volatile Organic Compounds (ug/L)																			
Benzene	**19**	**37 J, c**	**54**	**72**	ND	**15 J**	**36**	**63**	ND	ND	**4**	**41**	ND	**3 J**	ND	**4 J**	ND	0.5 J	1
Toluene	**9.1**	**25**	**21**	**32**	ND	4.8 J	**5**	**7.6 J**	ND	ND	**5.1**	**15**	ND	ND	ND	3.7 J	ND	ND	5
Xylenes, total	**19**	**40**	**23**	**35**	ND	3.6 J	ND	**6.5**	ND	ND	**16**	**28**	ND	ND	**9.8**	**16 J**	ND	ND	5
Semi-Volatile Organic Compounds (ug/L)																			
Naphthalene	**330**	**950**	**33**	**1400**	ND	**140**	**160**	**200 D**	ND	ND	ND	**94**	ND	2.6 J	ND	ND	ND	**27**	10 *
Inorganic Compounds (ug/L)																			
Arsenic, total	4.1 B	4.1 B	ND	12.1	2.8 B	2.8 B	**33**	**42.8**	ND	3.3	ND	ND	**46.4**	**84.8 J**	ND	3.7 B	4.2 B	4.2 B	25
Arsenic, dissolved	ND	ND	11.7 J	12.1 J	ND	ND	**36**	**36**	ND	2.4	ND	ND	**37**	**112 J**	ND	2.6 B	ND	ND	25
Chromium, total	6.5	6.5	ND	4 B	20.3	20.3	ND	3.1 B	1.1 B	7.7	1.1 B	1.1 B	20.1	28.7	ND	38.8	17.1	17.1	50
Chromium, dissolved	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 B	ND	22.7	ND	ND	50

Notes:

1. Concentrations based on October 2004 RFI.
2. Values per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards Limitations. and Guidance Values and Groundwater Effluent Class GA standard and guidances values (GWQS/GV) used for comparison.

Definitions:

B = Analyte was detected in the associated blank, as well as in the sample.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = Identified at the secondary dilution factor.
NA = not analyzed for this parameter
ND = Not detected.
* = Guidance value used.
BOLD = Concentration exceeds Class GA GWQS/GV.

TABLE 1B

HISTORICAL OFF-SITE GROUNDWATER ANALYTICAL DATA SUMMARY
1991 through 2006

October 2004 RFI
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Off-Site Groundwater Monitoring Wells																		GWQS/GV (ug/L)[2]
	MWN-05A		MWN-05B		MWN-05D		MWN-1D5		MWN-1D6		MWN-1D7		MWN-22B		MWN-23B		MWN-28A		
	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	Min. Conc.	Max. Conc.	
Volatile Organic Compounds (ug/L)																			
Benzene	ND	**5.4**	**7.4**	**79**	ND	ND	**18**	**32**	ND	**1**	**9.4**	**15**	**15**	**94**	**4**	**13**	ND	**17**	**1**
Toluene	ND	4 J	3.7	**42**	ND	2 J	ND	**9.5**	ND	ND	ND	ND	3.1 J	**10**	ND	1.5	ND	**8.6**	**5**
Xylenes, total	ND	**5.8**	3.7	**40**	2 J	**8.6**	**22**	**22**	ND	ND	ND	ND	ND	**16**	ND	ND	ND	**31**	**5**
Semi-Volatile Organic Compounds (ug/L)																			
Naphthalene	ND	**130**	**700**	**1600**	ND	ND	**40**	**53 J**	ND	3	ND	0.9 J	**22**	**86 J**	9.4	**14**	4.1	**21**	**10 ***
Inorganic Compounds (ug/L)																			
Arsenic, total	2.5 B	2.5 B	ND	NA	ND	ND	ND	ND	ND	2.5	ND	ND	ND	2.5	11.4	23	ND	ND	**25**
Arsenic, dissolved	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	12	19.6	ND	ND	**25**
Chromium, total	2.8 B	2.8 B	ND	**207**	13.9	13.9	1.2 B	1.2 B	ND	14.5	ND	5.2	0.65 B	27.4	ND	1.7	ND	ND	**50**
Chromium, dissolved	ND	15	ND	10.6 B	ND	2.5 B	NA	NA	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	**50**

Notes:

1. Concentrations based on October 2004 RFI.
2. Values per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards Limitations. and Guidance Values and Groundwater Effluent Class GA standard and guidances values (GWQS/GV) used for comparison.

Definitions:

B = Analyte was detected in the associated blank, as well as in the sample.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
NA = not analyzed for this parameter
ND = Not detected.
* = Guidance value used.
BOLD = Concentration exceeds Class GA GWQS/GV.

TABLE 2

SURFACE SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM Report
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location																									SCO RESTRICTED-COMMERCIAL (ppm) [2]	SCO RESTRICTED-INDUSTRIAL (ppm) [3]
	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-26	SS-27	SS-28	SS-29		
TCL SVOCs (mg/Kg)																													
Acenaphthene		0.023 J					0.035 J	0.039 J	0.1 J		0.58 J		0.11 J	0.097 J			0.059 J	0.25 J	0.062 J	0.094 J		0.034 J	0.68 J	0.16 J				500 [3]	1000 [4]
Acenaphthylene	0.15 J	0.11 J	0.74 J	0.76 J	0.065 J		0.63	0.54	0.19 J	0.028 J	0.18 J	0.11 J	0.77	0.26 J			0.18 J	0.33 J	0.41	0.24 J		0.027 J	0.18 J	0.75 J			0.26 J	500 [3]	1000 [4]
Anthracene	0.1 J	0.075 J	0.93 J	0.033 J	0.082 J		0.39	0.46	0.3 J	0.026 J	2.1	0.094 J	1.2	0.59		0.018 J	0.2 J	1.2	0.48	0.33 J		0.11 J	1.7	1.2 J			0.42 J	500 [3]	1000 [4]
Benzo (a) anthracene	0.43	0.42	3.3 J	0.22 J	0.4	0.044 J	1.9	2	1	0.12 J	4	0.48	6.2	2.1	0.04 J	0.084 J	0.8	3.1	1.6	2	0.52 J	0.33 J	4.2	2.6	0.22 J	0.65 J	2.6 J	5.6	11
Benzo (b) fluoranthene	0.63	0.72	4.7	0.42	0.62	0.093 J	2.6	2 J	1.6	0.19 J	4	0.71	7.1	2.5	0.059 J	0.16 J	0.8 J	3.6	1.7	3.2	0.9 J	0.32 J	3.8 J	4	0.45	1.2 J	4.1	1	11
Benzo (k) fluoranthene	0.19 J	0.23 J	1.4 J	0.11 J	0.22 J	0.031 J	1	1.6 J	0.44	0.069 J	1.5 J	0.26 J	3	0.99	0.027 J	0.042 J	0.6 J	0.93	0.61	0.86	0.44 J	0.29 J	3.4 J	1.5 J	0.21 J	0.8 J	1.4 J	56	110
Benzo (g,h,i) perylene	0.34 J	0.43	2.7 J	0.23 J	0.35 J	0.053 J	1.2	1.2	0.69	0.12 J	1.6 J	0.34 J	2.7	1.6	0.056 J	0.1 J	0.68	1.8	0.73	1.4	0.52 J	0.22 J	2.2	1.9	0.47	0.81 J	2.2 J	500 [3]	1000 [4]
Benzo (a) pyrene	0.46	0.53	3.4 J	0.3 J	0.46	0.058 J	2	2	1.1	0.14 J	3	0.51	4.6	1.8	0.045 J	0.085 J	0.82	2.6	1.2	2.3	0.71 J	0.34 J	4.2	3.1	0.36	1.1 J	2.9 J	1.1	1.1
Biphenyl													0.09 J	0.073 J				0.075 J	0.024	0.025								--	--
Bis(2-ethylhexyl) phthalate												0.32 J					0.072 J	0.086 J	0.074 J	0.15 J								--	--
Carbazole	0.034 J	0.024 J	0.46 J		0.041 J		0.12 J	0.24 J	0.16 J		0.66 J	0.038 J	0.58	0.35 J		0.024 J	0.086 J	0.8	0.14 J	0.17 J		0.052	0.74 J	0.49 J			0.21 J	--	--
Chrysene	0.39 J	0.42	3.3 J	0.23 J	0.37	0.066 J	1.7	1.9	0.96	0.12 J	3.8	0.46	5.8	2.1	0.041 J	0.12 J	0.82	2.9	1.4	1.9	0.62 J	0.35	4	2.8	0.3 J	0.82 J	2.8 J	56	110
Dibenzo (a,h) anthracene	0.1 J	0.11 J	0.64 J	0.062 J	0.1 J		0.35 J	0.35 J	0.19 J	0.029 J	0.43 J	0.094 J	0.95	0.47		0.027 J	0.19 J	0.44	0.23 J	0.4	0.13 J	0.055 J	0.64 J	0.48 J	0.093 J	0.18 J	0.62 J	0.56	1.1
Dibenzofuran	0.055 J	0.022 J	0.27 J	0.021 J			0.075 J	0.058 J	0.06 J		0.54 J	0.023 J	0.64	0.38		0.064 J	0.042 J	0.6	0.14 J	0.11 J		0.025 J	0.42 J	0.47 J			0.27 J	--	1000 [4]
Di-n-butyl phthalate														0.07 J		0.064 J		0.069 J	0.068 J										
Fluoranthene	0.68	0.62	6.1	0.27 J	0.57	0.07 J	2.9 J	3.6	1.9	0.17 J	9.8	0.72	15	4.9	0.061 J	0.21 J	1.5 J	7.3	2.9	2.8	0.67 J	0.71	8.2	5.5	0.29 J	0.83 J	4	500 [3]	1000 [4]
Fluorene	0.047 J		0.27 J				0.08 J	0.089 J	0.087 J		0.96 J		0.36 J	0.17 J			0.058 J	0.98	0.17 J	0.071 J		0.043 J	0.68 J	0.72 J				500 [3]	1000 [4]
Indeno (1,2,3-cd) pyrene	0.31 J	0.38	2.4 J	0.2 J	0.31 J	0.047 J	1.2	1.2	0.62	0.1 J	1.5 J	0.3 J	2.7	1.5	0.044 J	0.089 J	0.6	1.6	0.69	1.3	0.42 J	0.18 J	2.1	1.6 J	0.35	0.62 J	1.7 J	5.6	11
2 - Methylnaphthalene	0.086 J	0.024 J		0.052 J			0.049 J	0.037 J	0.04 J		0.15 J		0.21 J	0.16 J			0.033 J	0.17 J	0.11 J	0.12 J			0.22 J	0.19 J			0.31 J	--	--
Naphthalene	0.24 J	0.044 J	0.48 J	0.06 J	0.022 J		0.2 J	0.1 J	0.063 J		0.26 J	0.057 J	0.63	0.54		0.094 J	0.07 J	0.58	0.22 J	0.38		0.03 J	0.41 J	0.42 J			1.8 J	500 [3]	1000 [4]
Phenanthrene	0.35 J	0.22 J	3.3 J	0.089 J	0.2 J		1 J	1.5	1	0.079 J	8.1	0.32 J	10	3.7	0.028 J	0.13 J	0.59	6.5	1.4	1.1	0.25 J	0.43	5.4	4.2	0.11 J	0.19 J	2.3 J	500 [3]	1000 [4]
Pyrene	1	0.5	4.6	0.24 J	0.4	0.053 J	2.3 J	2.7	1.4	0.13 J	6.6	0.5	12	3.7	0.051 J	0.15 J	1.2	5.5	2.2	2.3	0.63 J	0.55	6.2	4	0.26 J	0.8 J	3.4 J	500 [3]	1000 [4]
Total SVOCs (mg/kg)	***5.2***	***4.9***	***39.0***	***3.3***	***4.3***	***0.5***	***19.7***	***21.6***	***11.9***	***1.3***	***49.8***	***5.4***	***74.6***	***28.1***	***0.5***	***1.5***	***9.4***	***41.4***	***16.6***	***21.3***	***5.8***	***4.1***	***49.4***	***36.1***	***3.1***	***8.0***	***31.3***		
TAL Metals (mg/Kg)																													
Aluminum	12000 N*J	14400 N*J	8840 N*J	3020 N*J	4310 N*J	4840 N*J	18400 N*J	7220 N*J	7590 N*J	12200 N*J	22900 N*J	3970 N*J	6190 N*J	8080 J	2130 J	3470 J	14500 J	17900 J	21900 J	17100 J	12600 J	24600 J	2040 J	3840 J	8100 J	6650 J	8230 J	--	--
Arsenic	14.7 N	4.6 NJ	5.9 NJ	28.3 NJ	3.3 NJ	3.2 NJ	6.2 NJ	8.1 NJ	11.2 NJ	7.7 NJ	3 NJ	3.7 NJ	5.3 J	9 J	24 J		14.1 J	14 J	5.1 J	12.3 J	5.1 J	4.3 J	3.2 J	15 J	5.4 J	5.7 J	17.2 J	16	16
Barium	120	121	83.5	39.6	127	120	604 J	109	60.4	80.6 J	195	21.8	34.5	61.9	16.1	26.7	117	121	178	134	106	224	14	34.9	42.9	65.8	113	400	10000
Beryllium	1.8 N*	2.7 N*	1.5 N*	0.65 N*	0.34 N*	0.38 N*	2.8 N*	1.2 N*	1.1 N*	1.5 N*	3.4 N*	0.51 N*	0.95	0.9	1	0.97	2.8	3.4	5	3.5	2.3	5.7	0.43	0.89	1.3	0.89	1.7	590	2700
Cadmium	2.1 N*	0.83 N*	0.7 N*		0.87 N*	0.54 N*	1.5 N*	0.45 N*	1.4 N*	0.23 N*J		0.25 N*	3	3.5	9.7	3.1	5.2	2.4	1.5	2.6	1.5	1.2	0.82	4.2	4.1	3.3	4	9.3	60
Calcium	52300	142000	151000	8100	98500	131000	169000	121000	55800	35000 J	204000	201000	225000	181000	184000	308000	86400	130000	166000	127000	201000	197000	215000	27700	202000	164000	82100	--	--
Chromium	45.9 EJ	230 EJ	286 EJ	13.7 EJ	313 EJ	425 EJ	388 EJ	353 EJ	193 E	55.5 EJ	167 EJ	518 EJ	748 J	804 J	725 J	1190 J	212 J	83.9 J	104	159	191	88.2	68.4	133	391	602	171	1500	6800
Cobalt	5.1 N	2.6 N	2.2 N	2 N	2.6 N	3 N	2.1 N	3.2 N	6.7 NJ	4.3 N	1.8 N	2.8 N	1.8	3.8	13.6		7.3	6.4	3 J	6.4 J	2.2 J	2.1 J	1.9 J	9 J	3 J	3.7 J	8.9 J	--	--
Copper	46.8 N	36.5 N	37.7 N	13.8 N	33.1 N	27.5 N	51.8 N	53.9 N	70.2 N	37.7 N	55.6 N	21.4 N	48.7	104	162	6.6	69.6	76.6	29.2	74	19.1	15	19.2	85.4	20.7	39.6	100	270	10000
Iron	55600 E*J	51500 E*J	49500 E*J	8400 E*J	75100 E*J	77400 E*J	50900 E*J	86400 E*J	80400 E*	53400 E*J	34600 E*J	132000 E*J	152000 J	167000 J	477000 J	174000 J	196000 J	156000 J	76200	157000	73500	47800	24300	192000	186000	165000	195000	--	--
Lead	141 EN*J	128 EN*J	83.2 EN*J	22 EN*J	81.1 EN*J	68.4 EN*J	121 EN*J	160 EN*J	97 EN*	51.6 EN*J	23.3 EN*J	85.3 EN*J	64.7 J	114 J	9.1 J	8.9 J	144 J	69.3 J	51.2	113	24.6	13.7	530	115	31.4	80.7	130	1000	3900
Magnesium	9330 E*J	27000 E*J	16200 E*J	982 E*J	27200 E*J	55700 E*J	21900 E*J	22300 EJ	28300 E	5500 EJ	19900 EJ	27600 E*J	33500 J	20300 J	23800 J	20100 J	19000 J	24400 J	36100	26000	56017.51	40400	8140	41800	33700	24300	14200	--	--
Manganese	5250 *	11300 *	18000 *	573	21700 *	30300	19600 *	44300 *	6310 *	6490 *	11200 *	18700 *	24900	20900	25800	26500	4840	2680	3840	4910	18200	3500	742	4540	28700	20500	6230	10000	10000
Mercury	0.203 *	0.052 *	0.182 *	0.069 *	0.587 *		0.031 *	0.099 *	0.121 *	0.053 *		0.057 *	0.103 J	0.141 J			0.089 J	0.052 J	0.2 J	0.161 J	0.048 J	0.021 J	0.214 J	0.234 J	0.04 J		0.083 J	2.8	5.7
Nickel	17.5 ENJ	13.3 ENJ	18.5 ENJ	8.1 ENJ	14.4 ENJ	19.8 ENJ	17.4 ENJ	13.4 ENJ	33.1 ENJ	17.7 ENJ	9.6 ENJ	19.1 ENJ	33.5 J	91.7 J	73.3 J	0.98 J	98 J	53.3 J	33.9 J	67.7 J	16.6 J	13.6 J	25 J	83.8 J	14.5 J	78.8 J	62.2 J	310	10000
Potassium	1160 E	1350 E	647 E	260 E	221 E	265 E	1660 E	617 E	341 EJ	986 E	1470 E	174 E	393	370	42.4	75.7	1080	1070	1450 J	1250 J	774 J	1600 J	552 J	396 J	232 J	382 J	1460 J	--	--
Selenium			4.9 N*J		6.5 N*J	7.3 N*J	6.3 N*J	13.2 N*J	6 N*J		4.7 N*J	10.9 N*J				5.5 J												1500	6800
Silver		0.95	0.96		0.95	1.8	2.5 J	1.8	0.63	0.85 J	0.57	0.77																1500	6800
Sodium	269	499	282		292	432	637	353	253	268	658						485	569	915	600	343	851	174		175		271	--	--
Thallium								10 N*																					
Vanadium	37.9 N*	164 N*	189 N*	14.8 N*	216 N*	308 N*	259 N*	357 N*	91.6 N*	34.7 N*	131 N*	338 N*	517	438	407	686	89.6	36.2	41.1	64.8	210	31.8	45.6	33	602	442	126	--	--
Zinc	423 E*J	507 E*J	232 E*J	34 E*J	209 E*J	223 E*J	269 E*J	283 E*J	215 E*	128 E*J	33.2 E*J	77.1 E*J	588 J	327 J	31.2 J	12.6 J	141 J	100 J	83.5	292	57.7	463	148	136	68.7	307	221	10000	10000
Wet Chemistry Analysis (units as indicated)																													
Cyanide - total (mg/Kg)							2.4						3.8	2.6	4.4	2.9		1.6		1.3 J	2.6 J		1.3 J			2.2 J	1.8 J	27	10000

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives.
3. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 500 ppm.
4. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.
N = Indicates spike sample recovery is not within the quality control limits.
E = Indicates value estimated or not reported due to the presence of interferences.
"*" = Indicates the spike or duplicate analysis is not within the quality control limits.

BOLD = Analytical result exceeds Part 375 - Restricted Commercial SCO
BOLD = Analytical result exceeds Part 375 - Restricted Industrial SCO

TABLE 3

SUBSURFACE SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM Report
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location						SCO RESTRICTED-COMMERCIAL (ppm) [2]	SCO RESTRICTED-INDUSTRIAL (ppm) [2]
	Subsurface Comp 1	Subsurface Comp 2	Subsurface Comp 3	Subsurface Comp 4	Subsurface Comp 5	Subsurface Comp 6		
TCL VOCs (mg/Kg)								
Acetone		0.022 J		0.016 J	0.038		500 [3]	1000 [4]
2-Butanone (MEK)					0.006 J		500 [3]	1000 [4]
Total VOCs (mg/kg)	***0***	***0.022***	***0***	***0.016***	***0.044***	***0***		
TCL SVOCs (mg/Kg)								
Acenaphthene				0.74 J		8.1	500 [3]	1000 [4]
Acenaphthylene	0.24 J	0.14 J		0.2 J	0.19 J	0.53 J	500 [3]	1000 [4]
Anthracene	0.38 J	0.39 J		1.7 J	0.2 J	17	500 [3]	1000 [4]
Benzo (a) anthracene	1.4 J	1.7 J	0.42 J	4.4	1.5 J	27	5.6	11
Benzo (b) fluoranthene	1.4 J	1.4 J	0.63 J	5.6	2 J	26	1	11
Benzo (k) fluoranthene	1.2 J	1.3 J	0.19 J	2.9	1.7 J	14	56	110
Benzo (g,h,i) perylene	1 J	0.92 J	0.33 J	2.9	1.5 J	11	500 [3]	1000 [4]
Benzo (a) pyrene	1.4 J	1.3 J	0.44 J	5	2.1	11	1.1	1.1
Biphenyl	0.16 J					0.56 J	--	--
Carbazole	0.13 J	0.24 J		0.8 J		5.8	--	--
Chrysene	1.5	1.8	0.48 J	4.4	1.8	23	56	110
Dibenzo (a,h) anthracene	0.34 J	0.33 J	0.094 J	0.75 J	0.36 J	3 J	0.56	1.1
Dibenzofuran	0.45 J	0.31 J		0.48 J		4.6	--	1000 [4]
Fluoranthene	2.8	4.5	0.72 J	8.3	2.1	84 D	500 [3]	1000 [4]
Fluorene				0.76 J		7.7	500 [3]	1000 [4]
Indeno (1,2,3-cd) pyrene	0.98 J	0.92 J	0.3 J	2.5	1.3 J	11	5.6	11
2 - Methylnaphthalene	0.44 J	0.11 J		0.21 J		2 J	--	--
Naphthalene	1.8 J	0.43 J		0.68 J	0.18 J	2.3 J	500 [3]	1000 [4]
Phenanthrene	1.5 J	3.6	0.28 J	5.9	0.81 J	58	500 [3]	1000 [4]
Pyrene	2.2	3.2	0.66 J	6.6	1.9	47	500 [3]	1000 [4]
Total SVOCs (mg/kg)	***19.3***	***22.6***	***4.5***	***54.8***	***17.6***	***363.6***		

TABLE 3

SUBSURFACE SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM Report
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location						SCO RESTRICTED-COMMERCIAL (ppm) [2]	SCO RESTRICTED-INDUSTRIAL (ppm) [2]
	Subsurface Comp 1	Subsurface Comp 2	Subsurface Comp 3	Subsurface Comp 4	Subsurface Comp 5	Subsurface Comp 6		
TAL Metals (mg/Kg)								
Aluminum	6690 E*J	8860 E*J	16600 E*J	18400 J	4520 J	6140 J	--	--
Arsenic	**17.7**	4.3	11.2		6.6	9.2	**16**	**16**
Barium	142 NJ	79.7 NJ	124 NJ	109 J	47.5 J	62.1 J	**400**	**10000**
Beryllium	1 EJ	1.6 EJ	3.2 EJ	4.2 J	0.74 J	0.84 J	**590**	**2700**
Cadmium	3.7 EJ	2.3 EJ	2.9 EJ			1 J	**9.3**	**60**
Calcium	55000 *	203000 *	132000 *	244000	103000	84700	--	--
Chromium	377 E*J	508 E*J	199 E*J	115 J	200 J	207 J	**1500**	**6800**
Cobalt	3.6 E	2 EJ	5.6 E	0.71	2.6	5.3	--	--
Copper	60 N*J	50 N*J	42.9 N*J	16.4 J	37.5 J	104 J	**270**	**10000**
Iron	56000 *	117000 *	184000 *	23300	52500	65000	--	--
Lead	185 EN*J	62.5 EN*J	112 EN*J	15.2 J	62.6 J	224 J	**1000**	**3900**
Magnesium	12700 EJ	24400 EJ	20500 EJ	33300 J	17400 J	10200 J	--	--
Manganese	**10400 ***	**20400 ***	7410 *	**11700**	9290	6510	**10000**	**10000**
Mercury	0.173	0.056 J	0.166	0.082	0.066	0.988	**2.8**	**5.7**
Nickel	24.1 EN*J	32 EN*J	36.1 EN*J	7.7 J	32 J	110 J	**310**	**10000**
Potassium	666 N	482 N	1140 N	1840	365	485	--	--
Selenium						5.1	**1500**	**6800**
Silver				0.61	0.95	0.71	**1500**	**6800**
Sodium	240	169	471	880	205	344	--	--
Vanadium	262 ENJ	400 ENJ	94 ENJ	98.5 J	154 J	78.9 J	--	--
Zinc	591 EN*J	225 EN*J	81.5 EN*J	48 J	465 J	2690 J	**10000**	**10000**

TABLE 3

SUBSURFACE SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM Report
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location						SCO RESTRICTED-COMMERCIAL (ppm) [2]	SCO RESTRICTED-INDUSTRIAL (ppm) [2]
	Subsurface Comp 1	Subsurface Comp 2	Subsurface Comp 3	Subsurface Comp 4	Subsurface Comp 5	Subsurface Comp 6		
Wet Chemistry Analysis (units as indicated)								
Cyanide - total (mg/Kg)		3.9			1.5		**27**	**10000**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives.
3. The SCOs for commercial use and the protection of groundwater were capped at a maximum value of 500 ppm.
4. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Analyte was found in the associated blank, as well as in the sample.
N = Indicates spike sample recovery is not within the quality control limits.
E = Indicates value estimated or not reported due to the presence of interferences.
"*" = Indicates the spike or duplicate analysis is not within the quality control limits.

BOLD	= Analytical result exceeds Part 375 - Restricted Commercial SCO
BOLD	= Analytical result exceeds Part 375 - Restricted Industrial SCO

TURNKEY ENVIRONMENTAL RESTORATION, LLC

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 4

SUBSURFACE SLAG/FILL ANALYTICAL DATA SUMMARY
Synthetic Precipitation Leaching Procedure (SPLP)

SI/RAR/IRM Report
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location					
	Subsurface Comp 1	Subsurface Comp 2	Subsurface Comp 3	Subsurface Comp 4	Subsurface Comp 5	Subsurface Comp 6
SPLP TCL BN SVOCs (mg/L)						
Diethyl phthalate			0.0038 J			
Naphthalene				0.0043 J		
Phenanthrene		0.0044 J		0.0063 J		
SPLP TAL Metals (mg/L) [2]						
Aluminum	1.32	0.401		2.15	1.82	1.58
Arsenic	0.0114					
Barium	0.0425	0.13	0.016	0.029	0.032	0.026
Cadmium	0.0011					
Calcium	20.2 N	250 N	22.9 N	85.1 N	273 N	47.3 N
Chromium	0.0147	0.016		0.026	0.04	0.035
Copper	0.0161			0.013	0.022	0.04
Iron	4.19 N		0.485 N	6.99 N	9.45 N	10.4 N
Lead	0.0923			0.025	0.043	0.127
Magnesium	2.93		2.08	3.06	3.3	1.98
Manganese	0.364 N	0.0045 N	0.041 N	0.708 N	1.31 N	0.613 N
Mercury						0.00061
Nickel						0.038
Potassium	0.642		0.558		0.54	0.769
Sodium	23.8	9.85	18	14.1	9.02	16.5
Vanadium	0.0598		0.015	0.076	0.041	0.069
Zinc	0.158 N			0.098 N	0.071 N	0.388 N

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. SPLP values were reported in ug/L, and converted to mg/L for comparison to SCOs.

Definitions:
N = Indicates spike sample recovery is not within the quality control limits.

TABLE 5

GROUNDWATER ANALYTICAL DATA SUMMARY

SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location and Screened Interval (fbTOR)												GWQS/GV (ug/L) [2]
	MWN-01 (9.15-19.15) FILL	MWN-01B (22.24-32.24) SAND, FILL	MWN-02 (23.62-33.62) FILL	MWN-02B (46.28-56.28) SAND	MWN-02D (74.34-79.34) BEDROCK	MWN-03 (39.17-49.17) FILL	MWN-03B (60.72-70.72) S, C, P	MWN-03D (111.26-121.26) BEDROCK	MWN-04 (48.53-58-53) FILL	MWN-05A (48.12-58.12) FILL	MWN-05B (66.69-76.69) SAND	MWN-05D (100.39-105.39) BEDROCK	
TCL VOCs (ug/L)													
Acetone		5.4 J					3.1 J		2.6 J	5 J	29 J		50 *
Benzene	120 D	110 D	16	150 D		6.3		6		0.68 J	69		1
2-Butanone (MEK)											6 J		50 *
Carbon Disulfide	0.49 J	0.64 J		0.61 J	0.7 J	0.56 J				0.65 J	3.8 J		
Chlorobenzene							0.57 J				87		5
1,2-Dichlorobenzene											50		3
1,3-Dichlorobenzene											1.2 J		3
1,4-Dichlorobenzene											9.4 J		3
Cyclohexane				2.2 J				6.4			5 J	9.9	
Ethylbenzene	3.6 J	0.94 J	0.96 J	1.4 J		0.47 J		1 J			9.1 J		5
Isopropylbenzene		2.1 J									1.9 J		5
Methylcyclohexane		0.6 J		5			1.9 J	2 J			6.6 J	2.6 J	
Methylene chloride											1.8 J		5
n-Propylbenzene											1.3 J		5
Styrene	4.8 J	0.55 J											5
Toluene	28	26	3.6 J	19		2.1 J		0.46 J		0.53 J	61		5
1,2,4-Trichlorobenzene											38		5
1,2,4-Trimethylbenzene	10	8.8	0.95 J	4.2 J		0.7 J		2.2 J		0.48 J	18		5
1,3,5-Trimethylbenzene	5.4	6.2	2.2 J	2.8 J		2.2 J		1.4 J		1.2 J	7.2 J		5
TOTAL Xylenes	69	24	13 J	28		7.2 J		5.3 J			54		5
Total VOCs (ug/L)	***241***	***185***	***36.7***	***213***	***0.70***	***19.5***	***5.57***	***24.8***	***2.60***	***8.54***	***459***	***12.5***	
TCL SVOCs (ug/L)													
Acenaphthene	23	15	3 J	8 J		2 J	1 J			2 J	24		20 *
Acenaphthylene	56	73	2 J	7 J		2 J				3 J	10		
Anthracene	17	19	3 J	2 J		0.7 J			0.5 J	1 J	8 J		50 *
Benzo (a) anthracene	1 J	1 J									1 J		0.002 *
Benzo (b) fluoranthene		0.6 J											0.002 *
Bis(2 - ethylhexyl) phthalate							6 J						5
Chrysene	0.6 J	0.8 J									0.6 J		0.002 *
Dibenzofuran	82	37	4 J	9 J		3 J				2 J	19		
Di - n - butyl phthalate	1 BJ	1 BJ	0.9 BJ	0.9 BJ		0.9 BJ	1 BJ	0.8 BJ	1 BJ	0.9 BJ	1 BJ	0.8 BJ	50
1,2-Dichlorobenzene											28		3
1,3-Dichlorobenzene											0.8 J		3
1,4-Dichlorobenzene											5 J		3
3,3'-Dichlorobenzidine											8 J		5
2,4 - Dimethylphenol	2 J	7 J	2 J	4 J		1 J					12		50 *

TABLE 5

GROUNDWATER ANALYTICAL DATA SUMMARY

SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location and Screened Interval (fbTOR)												GWQS/GV (ug/L)[2]
	MWN-01 (9.15-19.15)	MWN-01B (22.24-32.24)	MWN-02 (23.62-33.62)	MWN-02B (46.28-56.28)	MWN-02D (74.34-79.34)	MWN-03 (39.17-49.17)	MWN-03B (60.72-70.72)	MWN-03D (111.26-121.26)	MWN-04 (48.53-58-53)	MWN-05A (48.12-58.12)	MWN-05B (66.69-76.69)	MWN-05D (100.39-105.39)	
	FILL	SAND, FILL	FILL	SAND	BEDROCK	FILL	S, C, P	BEDROCK	FILL	FILL	SAND	BEDROCK	
TCL SVOCs (ug/L)													
Fluoranthene	19	18	5 J	4 J		3 J				6 J	9		50 *
Fluorene	110	55	12	14		6 J	1 J		0.6 J	6 J	28		50 *
2 - Methylnaphthalene	78	58	1 J	12		3 J	2 J			2 J	46		
2-Methylphenol	8 J	14	2 J	13		1 J				0.8 J	20		1
4-Methylphenol	18	32	7 J	27		3 J				2 J			1
Naphthalene	480 BD	1100 BD	2 BJ	210 BD		14 B			2 BJ	7 BJ	960 BD		10 *
N-Nitrosodiphenylamine											22		50 *
Phenanthrene	150 D	94	11	22		10	2 J		0.6 J	10	37		50 *
Phenol		6 J	3 J			1 J				1 J			1
Pyrene	11	11	4 J	2 J		2 J			2 J	3 J	5 J		50 *
1,2,4-Trichlorobenzene											25		5
Total SVOCs (ug/L)													
TAL Metals (ug/L)													
Aluminum	647	284	438	217	640		875	1190			1000	838	
Arsenic		16		27			70.6				43.6		25
Barium	55.2	63.5	81.4	67.1	559	96.7	1120	1110	39.9	112	7990	94	1000
Beryllium											7.4		3 *
Cadmium											20.6		5
Calcium	113000	78000	151000	108000	92800	266000	288000	1270000	154000	396000	8790000	90000	
Chromium		7	39.2		146	5.4	55.6	26.4	27.4	14.9	306	12.8	50
Cobalt											8.4		
Copper							13.7	23.5			95.6		200
Iron	122	130	143	72.1	5130	95.8	22600	17100	191		506000	2680	300
Lead							5.1				26.3		25
Magnesium					32700		90300	864000			91500	49400	35000 *
Manganese	9.4		15		89.5		567	210	3.4		14500	66.4	300
Mercury											0.223		0.7
Nickel					138		47.5	26.5	21.4		234	12.8	100
Potassium	47700	54900	39800	42400	4670	83600	31600	62100	322000	67800	260000	7970	
Sodium	84100	88600	77000	126000	124000	57000	61500	3290000	149000	51600	189000	140000	20000
Vanadium	7		35						14.2		19.7		
Zinc							30.5	16.1			68.5		2000 *

TABLE 5

GROUNDWATER ANALYTICAL DATA SUMMARY

SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location and Screened Interval (fbTOR)												GWQS/GV (ug/L) [2]
	MWN-01 (9.15-19.15)	MWN-01B (22.24-32.24)	MWN-02 (23.62-33.62)	MWN-02B (46.28-56.28)	MWN-02D (74.34-79.34)	MWN-03 (39.17-49.17)	MWN-03B (60.72-70.72)	MWN-03D (111.26-121.26)	MWN-04 (48.53-58-53)	MWN-05A (48.12-58.12)	MWN-05B (66.69-76.69)	MWN-05D (100.39-105.39)	
	FILL	SAND, FILL	FILL	SAND	BEDROCK	FILL	S, C, P	BEDROCK	FILL	FILL	SAND	BEDROCK	
Wet Chemistry Analysis (units as indicated)													
Cyanide - total (ug/L)	50	64	41	57									200

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Class GA standard and guidances values used for comparison.

Definitions:

fbTOR = Feet below top of riser.
S, C, P = Sand, clay, peat.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Analyte was found in the associated blank as well as in the sample.
D = All compounds were identified in an analyisis at the secondary dilution factor.
* = Guidance value used.

BOLD = Analytical result exceeds Class GA Water Quality Standards (TOGS 1.1.1)

TurnKey Environmental Restoration, LLC

Benchmark Environmental Engineering & Science, PLLC

TABLE 6

SUMMARY OFF-SITE SOIL/FILL ANALYTICAL SUMMARY

SI/RAR/IRM Report - Off-Site Soil/Fill & Groundwater Investigation
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location and Analysis per Sample Depth (fbgs)										SCO RESTRICTED-COMMERCIAL (ppm) [2]	SCO RESTRICTED-INDUSTRIAL (ppm) [2]
	WT1-01 VOC (24.0 - 26.0) SVOC/As (2.0 - 26.0)	WT1-02 VOC (14.0 - 16.0) SVOC/As (2.0 - 24.0)	WT1-03 VOC (12.0 - 14.0) SVOC/As (2.0 - 20.0)	WT1-04 VOC (10.0 - 12.0) SVOC/As (2.0 - 12.0)	WT1-05 VOC (4.0 - 6.0) SVOC/As (2.0 - 10.0)	WT1-06 VOC (8.0 - 10.0) SVOC/As (2.0 - 20.0)	WT1-07 VOC (8.0 - 12.0) SVOC/As (2.0 - 22.0)	WT8-01 VOC (30.0 - 34.0) SVOC/As (2.0 - 34.0)	WT8-02 VOC (4.0 - 6.0) SVOC/As (4.0 - 16.0)	WT8-02 SVOC/As (39.0 - 70.0)		
TCL VOCs (mg/Kg)												
Acetone	0.02 J	0.03	0.013 J	0.009 J	0.025 J	0.014 J	0.039	0.02 BJ	0.042	NS	500 [3]	1000 [4]
Benzene	0.002 J	ND	ND	ND	ND	ND	ND	ND	ND	NS	44	89
2-Butanone (MEK)	ND	ND	ND	ND	ND	0.005 J	0.006 J	ND	0.019 J	NS	500 [3]	1000 [4]
Carbon Disulfide	0.003 J	0.003 J	0.002 J	0.004 J	0.003 J	0.003 J	0.002 J	0.002 J	0.002 J	NS	--	--
Cyclohexane	ND	ND	ND	ND	ND	0.002 J	ND	ND	ND	NS		
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J	NS	--	--
Methylene Chloride	0.017 B	0.014	0.017	0.017	0.022 B	0.02 B	0.011 B	0.014 B	0.012 B	NS	500 [3]	1000 [4]
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	0.001 J	NS	500 [3]	1000 [4]
Methylcyclohexane	ND	ND	ND	ND	ND	0.002 J	ND	ND	ND	NS		
Trichlorofluoromethane	ND	ND	ND	0.002 J	ND	ND	ND	ND	ND	NS	--	--
p-Cymene	ND	0.013	ND	ND	ND	ND	ND	ND	ND	NS	--	--
Total VOCs (mg/kg)	***0.042***	***0.06***	***0.032***	***0.032***	***0.05***	***0.046***	***0.058***	***0.036***	***0.088***	***0***	--	--
TCL SVOCs (mg/Kg)												
Acenaphthene	ND	ND	0.11 J	0.22 J	0.066 J	ND	0.16 J	0.29 J	ND	ND	500 [3]	1000 [4]
Acenaphthylene	0.36 J	0.096 J	1.4 J	0.37 J	0.31 J	0.14 J	0.071 J	0.74 J	ND	ND	500 [3]	1000 [4]
Anthracene	0.29 J	0.099 J	1.9	1.1	0.53 J	0.32 J	0.31 J	1.6 J	0.021 J	0.44 J	500 [3]	1000 [4]
Benzo (a) anthracene	1.5 J	0.43 J	4.6	2.9	1.0	1.1 J	1.1	5.1	0.31	1.7 J	5.6	11
Benzo (b) fluoranthene	**2.4**	0.75 J	**5.8**	**3.3**	**1.2**	**1.6 J**	**2.0**	**5**	0.51	**2.1 J**	1	11
Benzo (k) fluoranthene	0.8 J	0.3 J	2.1	1.1	0.33 J	ND	ND	2.1	0.18	0.76 J	56	110
Benzo (g,h,i) perylene	1.7 J	0.54 J	3.8	1.7	0.58 J	0.71 J	0.93	3.4	0.35	1.4 J	500 [3]	1000 [4]
Benzo (a) pyrene	**1.4 J**	0.51 J	**4.8**	**2.5**	0.89 J	0.89 J	**1.1**	**4.4**	0.4	**1.6 J**	1 [5]	1.1
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	0.015 J	ND	--	--
Biphenyl	0.35 J	ND	ND	ND	0.075 J	ND	ND	0.24 J	ND	ND	--	--
Bis(2-ethylhexyl) phthalate	0.66 BJ	0.34 BJ	ND	0.36 BJ	0.34 J	ND	0.61 J	ND	0.18	ND	--	--
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	0.64	ND	--	--
Chrysene	1.7 J	0.51 J	4.2	2.4	0.96 J	0.99 J	1.1	4.4	0.36	1.6 J	56	110
Dibenzo (a,h) anthracene	0.45 J	0.16 J	**1.2 J**	0.51 J	0.15 J	0.24 J	0.27 J	**0.94 J**	0.1 J	0.31 J	0.56	1.1
Dibenzofuran	1 J	0.059 J	0.52 J	0.22 J	0.36 J	0.11 J	0.097 J	1.4 J	0.007 J	0.21 J	350	1000 [4]
Fluoranthene	1.9	0.63 J	9.8	5.7	2.7	2.1	2.0	12	0.31	3.2 J	500 [3]	1000 [4]
Fluorene	ND	ND	0.85 J	0.4 J	0.56 J	0.16 J	0.11 J	1.9	ND	0.34 J	500 [3]	1000 [4]
Indeno (1,2,3-cd) pyrene	1.2 J	0.48 J	3.6	1.6	0.52 J	0.62 J	0.76 J	3.2	0.26	1.2 J	5.6	11
2 - Methylnaphthalene	1.8 J	0.076 J	0.22 J	0.06 J	0.18 J	0.077 J	0.042 J	0.58 J	ND	ND	--	--
Naphthalene	7.7	0.26 J	0.62 J	0.18 J	0.43 J	0.2 J	0.065 J	2.9	0.015 J	0.42 J	500 [3]	1000 [4]
Phenanthrene	2.5	0.33 J	5.9	3.4	3	1.6 J	1.3	12	0.14 J	2.6 J	500 [3]	1000 [4]
Pyrene	1.8 J	0.73 J	8	4.4	2	1.7 J	1.9	9	0.28	2.4 J	500 [3]	1000 [4]
Total SVOCs (mg/kg)	***29.5***	***6.3***	***59.4***	***32.4***	***16.2***	***12.6***	***13.9***	***71.2***	***4.1***	***20.3***	--	--
Inorganic Compounds (mg/Kg)												
Arsenic	**55.1**	15.8	7.7	6.3	3.9	9.6	8.1	4	2.7	7.9	16	16

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives.
3. The SCOs for commercial use and the protection of groundwater were capped at a maximum value of 500 ppm.
4. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.
5. For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the NYSDEC & NYSDOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value.

Definitions:

As = arsenic
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Analyte was found in the associated blank, as well as in the sample.
D = Indicates value obtained through dilution of sample.
fbgs = feet below ground surface
ND = parameter was analyzed for, but not detected
NS = not sampled for this parameter
SVOC = semi-volatile organic compound
VOC = volatile organic compound

BOLD = Analytical result exceeds Part 375 - Restricted Commercial SCO
BOLD = Analytical result exceeds Part 375 - Restricted Industrial SCO

TurnKey Environmental Restoration, LLC

Benchmark Environmental Engineering & Science, PLLC

TABLE 7

OFF-SITE GROUNDWATER ANALYTICAL DATA SUMMARY

SI/RAR/IRM REPORT - SUPPLEMENTAL SOIL/FILL AND GROUNDWATER INVESTIGATION
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location and Screened Interval (fbTOR)									GWQS/GV (ug/L) [2]
	WT1-01 [3] (28.0 - 38.0) fill/sand - upgradient	WT1-02 [3] (26.0 - 36.0) fill/sand - upgradient	WT1-03 [3] (24.0 - 34.0) fill/sand - upgradient	WT1-04 (14.0 - 24.0) fill/sand - downgradient	WT1-05 (10.0 - 20.0) fill/sand - downgradient	WT1-06 (20.0 - 30.0) fill/sand - downgradient	WT1-07 (22.5 - 32.5) fill/sand - downgradient	WT8-01 (38.0 - 48.0) fill/sand - upgradient	WT8-02 (69.5 - 79.5) fill/sand - downgradient	
TCL VOCs (ug/L)										
Acetone	5.8 J	6.9 J	4.2 J	3.3 J	2.7 J		5.0 J	16 J	33	50 *
Benzene	**93**	**75**	**43**	**77**	**49**	**65**	**61**	**4.1 J**		1
Carbon Disulfide	1.0 J			0.69 J	0.61 J		1.0 J		1.2 J	60
p-Cymene					0.86 J					--
Ethylbenzene	2.4 J	1.8 J	0.8 J	1.5 J	2.0 J	1.4 J	1.4 J			5
Styrene					3.3 J		0.94 J			5
Toluene	**13**	**10**	**5.2 J**	**9.4**	**16**	**10**	**9.3**	**7.2 J**		5
1,2,4-Trimethylbenzene	**6.1 J**	4.1 J	1.5 J	4.2 J	**5.4**	2.4 J	2.6 J	**5.5 J**		5
1,3,5-Trimethylbenzene	**6.4 J**	4.4 J	1.6 J	4.2 J	2.9 J	1.9 J	2.2 J			5
Xylenes (total)	**43**	**31**	**14 J**	**31**	**36**	**27**	**26**			5
Total VOCs (ug/L)	***171***	***133***	***70.3***	***131***	***119***	***108***	***109***	***32.8***	***34.2***	--
TCL SVOCs (ug/L)										
Acenaphthene	4 J	3 J	15	9	11	10 J	7 J	3 J		20 *
Acetophenone				0.5 J	0.4 J					--
Biphenyl				3 J	**9**	**6 J**	4 J			5
Acenaphthylene	8	3 J	8	8	47	22 J	19 J	3 J		--
Anthracene	18	3 J	16	15	7	9 J	5 J	4 J	6 J	50 *
Benzo (a) anthracene	**11**	**1 J**	**10**	**10**	**3 J**	**2 J**	**2 J**	**4 J**	**26 J**	0.002 *
Benzo (b) fluoranthene	**14**	**0.9 J**	**13**	**10**	**4 J**		**2 J**	**4 J**	**58**	0.002 *
Benzo (k) fluoranthene		**0.4 J**	**3 J**	**5**	**1 J**			**1 J**		0.002*
Benzo (g,h,i) perylene	4 J	0.4 J	5 J	6	2 J			2 J	36 J	--
Benzo (a) pyrene	**8**	**0.8 J**	**8**	**9**	**3 J**	**1 J**	**1 J**	**3 J**	**35 J**	ND
Chrysene	**11**	**1 J**	**10**	**10**	**3 J**	**1 J**	**1 J**	**3 J**	**29 J**	0.002 *
Dibenzo (a,h) anthracene	1 J		1 J	2 J	0.6 J				9 J	--
Dibenzofuran	23	7	13	16	31	34	17 J	4 J	3 J	--
Di-n-octyl phthalate		0.6 J	0.3 J							50*
Fluoranthene	46	6	45	34	14	9 J	7 J	12 J	37 J	50 *
Fluorene	33	10	26	28	38	47	26	8 J	3 J	50 *
Indeno (1,2,3-cd) pyrene	**4 J**	**0.3 J**	**4 J**	**5**	**2 J**			**2 J**	**27 J**	0.002*

TABLE 7

OFF-SITE GROUNDWATER ANALYTICAL DATA SUMMARY

SI/RAR/IRM REPORT - SUPPLEMENTAL SOIL/FILL AND GROUNDWATER INVESTIGATION
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

PARAMETER[1]	Sample Location and Screened Interval (fbTOR)									GWQS/GV (ug/L) [2]
	WT1-01 [3] (28.0 - 38.0)	WT1-02 [3] (26.0 - 36.0)	WT1-03 [3] (24.0 - 34.0)	WT1-04 (14.0 - 24.0)	WT1-05 (10.0 - 20.0)	WT1-06 (20.0 - 30.0)	WT1-07 (22.5 - 32.5)	WT8-01 (38.0 - 48.0)	WT8-02 (69.5 - 79.5)	
	fill/sand - upgradient	fill/sand - upgradient	fill/sand - upgradient	fill/sand - downgradient	fill/sand - downgradient	fill/sand - downgradient	fill/sand - downgradient	fill/sand - upgradient	fill/sand - downgradient	
TCL SVOCs (ug/L)										
2 - Methylnaphthalene	18	8	8	14	41	29	19 J	12 J	4 J	
Naphthalene	**79**	**48**	**46**	**79**	**330 D**	**140**	**100**	**210**	9 J	**10 ***
Phenanthrene	**99**	22	**86**	**74**	47	**68**	35	23 J	29 J	**50 ***
Pyrene	25	4 J	29	28	11	5 J	5 J	7 J	33 J	**50 ***
Total SVOCs (ug/L)	***406***	***119***	***346***	***366***	***605***	***383***	***250***	***305***	***344***	--
Inorganic Compounds (ug/L)										
Arsenic (total)				**28.6**	19.8		**51.8**	24.3		**25**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.
3. SVOCs experienced a continuing calibration verification error and were re-injected. The re-injected results are presented in the table.

Definitions:

fbTOR = Feet below top of riser.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
GWQS/GV = NYSDEC Class GA Groundwater Quality Standard (GWQS) / Guidance Value (GV)
ND = parameter was analyzed for, but not detected
" * " = NYSDEC Class GA Groundwater Quality Guidance Value (GWQGV)
BOLD = Analytical result exceeds Class GA Water Quality Standards (TOGS 1.1.1)

TABLE 8

IRM SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location																	SCO RESTRICTED-INDUSTRIAL (ppm) [3]
	WT-1 East Side Wall	WT-1 Floor Bottom	WT-1 North Side Wall	WT-1 South Side Wall	WT-1 West Side Wall	WT-2 Bottom	WT-2 Bottom (DUP.)	WT-2 East Side Wall	WT-2 North Side Wall	WT-2 South Side Wall	WT-2 West Side Wall	WT-3 East Side Wall	WT-3 Floor Bottom	WT-3 North Side Wall	WT-3 South Side Wall	WT-3 West Side Wall	WT-4 S-W Side Wall	
TCL VOCs (mg/kg)																		
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	89
sec-Butylbenzene	ND	ND	0.0022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000 [4]
Isopropylbenzene	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Toluene	0.0054	0.0044	ND	0.0066	0.0045	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0076	1000 [4]
1,2,4-Trimethylbenzene	ND	0.0014	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380
1,3,5-Trimethylbenzene	ND	ND	0.0018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380
TOTAL Xylenes	ND	0.0011 J	0.0031 J	0.0012 J	ND	0.0038	0.0034	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000 [4]
Naphthalene	0.017	0.15	0.21	0.017	0.093	0.019	0.010	ND	0.0068	0.010	0.057	0.022	0.0076	ND	0.023	0.0088	0.013	1000 [4]
Total VOCs (mg/kg)	***0.0224***	***0.1569***	***0.2224***	***0.0248***	***0.0975***	***0.0228***	***0.0134***	***0.0000***	***0.0068***	***0.0100***	***0.0570***	***0.0220***	***0.0076***	***0.0000***	***0.0230***	***0.0088***	***0.0206***	
TCL SVOCs (mg/kg)																		
Acenaphthene	0.18 J	0.38	.25 J	.17 J	0.16 J	ND	ND	0.026 J	0.14 J	ND	ND	ND	ND	ND	ND	ND	ND	1000 [4]
Acenaphthylene	2.3	2	1.4	1.1	0.94	0.48 J	0.3 J	0.072 J	0.4 J	1 J	0.38 J	0.21 J	0.43 J	0.14 J	ND	0.063 J	ND	1000 [4]
Anthracene	2.9	4	1.4	2.2	1.2	0.55 J	0.38 J	0.29 J	0.7 J	0.92 J	0.4 J	0.28 J	0.76 J	0.096 J	ND	0.082 J	ND	1000 [4]
Benzo (a) anthracene	6.9 D	7.4 D	3.8	4.6	3.3	2.6	2.2	1.4	3.1	4.8	2.0	1.5	2.7	0.48	0.73 J	0.39	1.8 J	11
Benzo (b) fluoranthene	8.3 D	8.1	5.9	5.7	4.8	4.4	3.4	2.2	6.1	6.5	4.4	2.8	4.9	0.96	1.2 J	0.89	4.0	11
Benzo (k) fluoranthene	2.3	2.2 D	5.5	1.7	1	1.2 J	1.2 J	0.62	6.4	2.5	4.6	0.82	5.1	0.24 J	0.36 J	0.92	1.2 J	110
Benzo (g,h,i) perylene	2.2	2.2	1.6	1.9	1.5	1.6 J	1.4 J	0.82	2.1	2.7	1.3 J	0.73	0.98 J	0.28 J	0.42 J	0.18 J	1.8 J	1000 [4]
Benzo (a) pyrene	**4.6**	**4.7**	**3.1**	**3.8**	**2.9**	**2.7**	**2.2**	**1.5**	**3.2**	**4.3**	**2.1**	**1.2**	**1.9**	0.46	0.62 J	0.3 J	**3.0**	1.1
Bis(2 - ethylhexyl) phthalate	0.2 J	0.12 J	0.084 J	ND	0.087 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Chrysene	6.6 D	5.7	3	4.1	3	2.7	2.2	1.4	3.4	4.3	2.1	2.0	2.9	0.58	0.89 J	0.5	2.4	110
2,4 - Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Di - n - butyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Di - n - octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023 J	ND	ND	ND	0.026 J	ND	--
Dibenzo (a,h) anthracene	0.82	0.79	0.61	0.65	0.5	0.48 J	0.39 J	0.2 J	0.67 J	0.72 J	0.34 J	0.2 J	0.31 J	0.076 J	ND	0.054 J	0.41 J	1.1
Dibenzofuran	1.2	1.4	0.64	0.3 J	0.3 J	0.29 J	0.24 J	0.045 J	0.23 J	0.50 J	0.24 J	0.19 J	0.23 J	0.064 J	ND	0.054 J	ND	1000 [4]
Dimethyl Phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Fluoranthene	15 D	18 D	7.7 D	11 D	6.7 D	4.0	3.0	2.9	4.7	7.7	3.3	4.3	7.4	1.0	1.7 J	0.96	1 J	1000 [4]
Fluorene	1.9	2.2	1.1	0.55	0.5	ND	ND	0.021 J	0.15 J	0.12 J	ND	0.019 J	ND	ND	ND	ND	ND	1000 [4]
Indeno (1,2,3-cd) pyrene	2.2	2.2	1.6	1.9	1.4	1.6 J	1.3 J	0.76	2.0	2.5	1.3 J	0.74	1 J	0.27 J	0.4 J	0.17 J	1.6 J	11
2 - Methylnaphthalene	0.38	0.38	0.29 J	0.096 J	0.13 J	0.22 J	0.18 J	0.047 J	0.17 J	0.29 J	0.17 J	0.1 J	ND	0.073 J	ND	0.038 J	ND	--
Naphthalene	0.53	0.86	1.5	0.31 J	0.46	0.48 J	0.4 J	0.063 J	0.27 J	0.82 J	0.62 J	1.2	0.31 J	0.15 J	ND	0.091 J	ND	1000 [4]
Phenanthrene	13 D	16 D	4.5	4.9	3.2	1.7 J	1.4 J	0.78	2.1	3.6	1.6 J	1.7	3.6	0.44	0.95 J	0.40	0.16 J	1000 [4]
Pyrene	10 D	12 D	4.9	8.3 D	5.2	4.1	3.1	2.5	4.4	7.5	3.1	3.1	5.3	0.84	1.4 J	0.74	1.1 J	1000 [4]
Total SVOCs (mg/kg)	***73.2***	***90.6***	***48.6***	***53.1***	***30.6***	***29.1***	***23.3***	***15.6***	***40.23***	***48.32***	***27.95***	***21.11***	***37.82***	***6.1***	***7.8***	***5.9***	***18.47***	***500*** [2]

TABLE 8

IRM SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location																	SCO RESTRICTED-INDUSTRIAL (ppm) [3]
	WT-1 East Side Wall	WT-1 Floor Bottom	WT-1 North Side Wall	WT-1 South Side Wall	WT-1 West Side Wall	WT-2 Bottom	WT-2 Bottom (DUP.)	WT-2 East Side Wall	WT-2 North Side Wall	WT-2 South Side Wall	WT-2 West Side Wall	WT-3 East Side Wall	WT-3 Floor Bottom	WT-3 North Side Wall	WT-3 South Side Wall	WT-3 West Side Wall	WT-4 S-W Side Wall	
Metals (mg/kg)																		
Arsenic	10.4	**25.8**	**37.9**	14.7	10.3	**31.3 E**	**28.9 E**	**26.7 E**	**22.3 E**	**31.6 E**	**29 E**	5.3	8.4	6.1	6.4	6.8	15.6 E	**16**
Barium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10000**
Cadmium	2.5	2.1	2.6	4.5	1.4	20.4 E	20.4 E	16.5 E	20.8 E	16.2 E	15.6 E	1.4	0.46	0.5	1.2	ND	ND	**60**
Chromium	639 E	392 E	142 E	634 E	594 E	366 E	412 E	939 E	225 E	341 E	253 E	792 E	899 E	1080 E	555 E	1140 E	467 E	**6800**
Lead	111 E	185 E	196 E	389 E	82 E	1390 E	1340 E	1220 E	1230 E	1070 E	889 E	123 E	142 E	226 E	103 E	125 E	5.6 E	**3900**
Mercury	0.118	0.253	0.285	0.107	0.344	0.458 N*	0.140 N*	0.059 N*	0.251 N*	0.190 N*	0.055 N*	0.103	0.114	0.069	0.187	0.275	ND	**5.7**
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6800**
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6800**
Wet Chemistry Analysis (units as indicated)																		
Leachable pH (S.U.)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Cyanide - total (mg/kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.4	ND	ND	1.3	ND	ND	ND	ND	**10000**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Determination of Soil Cleanup Objectives and Cleanup Levels (TAGM #4046). For metals, values listed represent the reported upper range of Eastern U.S. or NY State background levels per TAGM 4046. Total PCBs, 1 mg/kg surface and 10 mg/kg subsurface guidance values.
3. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted-Industrial, protection of human health.
4. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.

Definitions:

ND = Parameter not detected above laboratory detection limit.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.
B = Value is between the IDL and the CRDL.
* = Indicates analysis is not within quality control limits.
D = All compounds were identified in an analyisis at the secondary dilution factor.
N = Spike sample recovery is not within quality control limits.
E = Indicates value estimated or not reported due to the presence of interferences.
P = Detected concentrations between the two GC columns is greater than 25%; lower value is reported and flagged (for CLP methodology only).

BOLD = Analytical result exceeds SCO

TABLE 8

IRM SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location													SCO RESTRICTED-INDUSTRIAL (ppm) [3]
	WT-6 NE Side Wall	WT-7 East Side Wall	WT-7 Floor Bottom	WT-7 North Side Wall	WT-7 South Side Wall	WT-7 West Side Wall	WT-8 S-W Side Wall	WT-8 South Side Wall	WT-8 West Side Wall	WT-8 Bottom	WT-8 East Side Wall	WT-8 North Side Wall	WT-8 North Side Wall (DUP)	
TCL VOCs (mg/kg)														
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	89
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000 [4]
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	0.26	ND	ND	ND	ND	1000 [4]
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	380
TOTAL Xylenes	ND	ND	ND	ND	0.0015 J	0.0011 J	ND	ND	0.26	ND	ND	ND	ND	1000 [4]
Naphthalene	0.01	ND	0.018	0.018	0.061	0.048	ND	290	47	8.7	8.3	0.019	0.015	1000 [4]
Total VOCs (mg/kg)	***0.01***	***0***	***0.018***	***0.018***	***0.0625***	***0.0491***	***0***	***290***	***47.5***	***8.7***	***8.3***	***0.019***	***0.015***	
TCL SVOCs (mg/kg)														
Acenaphthene	ND	0.77 J	1.4 J	0.74 J	7.9	3.1 J	ND	0.9 J	1.2 J	0.45 J	0.14 J	0.16 J	ND	1000 [4]
Acenaphthylene	0.2 J	0.47 J	0.82 J	0.67 J	2.2 J	4.2 J	ND	0.54 J	2.3 J	0.77 J	0.28 J	0.29 J	0.38 J	1000 [4]
Anthracene	0.31 J	1.4	4.5	2.7 J	23	14	ND	1 J	1.8 J	1.5 J	0.7 J	0.74 J	0.77 J	1000 [4]
Benzo (a) anthracene	0.99 J	**14**	9.1	7.9	**42**	**20**	ND	3.7	5.6	5.7	2.4	3.9	5.1	11
Benzo (b) fluoranthene	1.5 J	**28**	**15**	**11**	**50**	**22**	ND	7.5	8.6	10	4.5	8.8	**11**	11
Benzo (k) fluoranthene	0.62 J	15	4.7	5.1 J	23	13	ND	3.2 J	4.1	4.6	1.8	4.4	5.3	110
Benzo (g,h,i) perylene	0.93 J	24	9.3	7.4	34	14 J	ND	5.5	6.3	8.3	3.0	8.0	9.2	1000 [4]
Benzo (a) pyrene	**1.2 J**	**27**	**12**	**9.1**	**45**	**21 J**	ND	**6.2**	**6.7**	**8.8**	**3.2**	**7.7**	**10**	1.1
Bis(2 - ethylhexyl) phthalate	ND	ND	ND	7.7	3.5 J	ND	ND	0.82 J	ND	ND	ND	ND	0.65 J	--
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Chrysene	0.89 J	15	8.8	7.3	39	18	ND	3.8	5.5	5.6	2.6	4.3	5.5	110
Dibenzo (a,h) anthracene	0.29 J	**5.1 J**	**2.3 J**	**2 J**	**9.1**	**4.1 J**	ND	**1.4 J**	**1.9 J**	**2.2 J**	0.88 J	**1.8 J**	**2.6 J**	1.1
Dibenzofuran	ND	0.3 J	0.84 J	0.6 J	4.9 J	5.3 J	ND	1.4 J	3.5 J	1.1 J	0.5 J	0.27 J	0.35 J	1000 [4]
Di - n - butyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
2,4 - Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Di - n - octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Dimethyl Phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
Fluoranthene	2.2 J	19	19	16	82	48	ND	6.8	14	11	5.5	5.2	6.1	1000 [4]
Fluorene	0.14 J	0.41 J	1.7 J	0.9 J	9.4	7.9	ND	1.2 J	2.1 J	0.68 J	0.19 J	0.25 J	0.29 J	1000 [4]
Indeno (1,2,3-cd) pyrene	0.91 J	**20**	8.3	6.7 J	**31**	**13**	ND	4.7	5.7	7.5	2.8	6.7	8.0	11
2 - Methylnaphthalene	ND	ND	0.62 J	0.21 J	1.5 J	2 J	ND	6.1	5	1.4 J	0.43 J	0.26 J	0.37 J	--
Naphthalene	ND	0.55 J	1.1 J	0.89 J	3.5 J	6.6	ND	520 D	31	18	10	1.4 J	1.7 J	1000 [4]
Phenanthrene	1.3 J	5.1 J	13	9.4	64	44	ND	5.3	14	7.8	4.1	2.6 J	2.9 J	1000 [4]
Pyrene	1.4 J	15	13	11	60	31	ND	5.1	10	8.2	3.7	4.4	5.7	1000 [4]
Total SVOCs (mg/kg)	***12.9***	***191***	***125***	***107***	***535***	***291***	***0***	***585***	***129***	***104***	***46.7***	***61.2***	***75.9***	***500*** [2]

TABLE 8

IRM SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location												SCO RESTRICTED-INDUSTRIAL (ppm) [3]
	WT-6 NE Side Wall	WT-7 East Side Wall	WT-7 Floor Bottom	WT-7 North Side Wall	WT-7 South Side Wall	WT-7 West Side Wall	WT-8 South Side Wall	WT-8 West Side Wall	WT-8 Bottom	WT-8 East Side Wall	WT-8 North Side Wall	WT-8 North Side Wall (DUP)	
Metals (mg/kg)													
Arsenic	4.5	13.5	6.1	13.0	12.6	10.5	11.0	9.8	**24.6**	5.0	**24.8**	**30.5**	**16**
Cadmium	0.72	1.5	1.6	2.2	3.0	2.9	0.94	1.10	1.8	0.80	1.8	2.4	**60**
Chromium	107 E	82.3	120	231	408	611	312 *	161 *	303 *	249 *	108 *	118 *	**6800**
Lead	65.9 E	116	125	392	289	274	157	102	241	127	127	245	**3900**
Mercury	0.126	0.346	0.376	1.4	0.534	0.405	3.1 N*	0.307 N*	0.327 N*	0.14 N*	0.233 N*	0.162 N*	**5.7**
Wet Chemistry Analysis (units as indicated)													
Cyanide - total (mg/kg)	ND	ND	ND	3.3	1.8	1.2	16.6	2.5	ND	0.70	ND	ND	**10000**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Value per NYSDEC Determination of Soil Cleanup Objectives and Cleanup Levels (TAGM #4046).
3. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted-Industrial, protection of human health.
4. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.

Definitions:

ND = Parameter not detected above laboratory detection limit.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.
B = Value is between the IDL and the CRDL.
* = Indicates analysis is not within quality control limits.
D = All compounds were identified in an analyisis at the secondary dilution factor.
N = Spike sample recovery is not within quality control limits.
E = Indicates value estimated or not reported due to the presence of interferences.
P = Detected concentrations between the two GC columns is greater than 25%; lower value is reported and flagged (for CLP methodology only).

BOLD = Analytical result exceeds SCO

TABLE 9

IRM SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location WT-1 (10-20')							SCO RESTRICTED-INDUSTRIAL (ppm)[2]
	East Side Wall	Bottom	North Side Wall	South Side Wall	West Side Wall	NYSDEC COMPOSITE	NYSDEC GRAB	
TCL VOCs (mg/kg)								
Benzene	ND	ND	0.012	ND	ND	0.025	0.085	**89**
sec-Butylbenzene	0.28	0.064	0.039	ND	ND	ND	ND	**1000**[4]
tert-Butylbenzene	ND	ND	0.018	ND	ND	ND	ND	**1000**[4]
Isopropylbenzene	0.18	ND	0.013	ND	ND	ND	0.02	--
Toluene	ND	0.029	0.027	ND	ND	0.03	0.032	**1000**[4]
1,2,4-Trimethylbenzene	0.19	0.038	0.036	2.1	3.3	ND	ND	**380**
1,3,5-Trimethylbenzene	0.17	0.022	0.017	ND	1.8	ND	ND	**380**
TOTAL Xylenes	ND	ND	0.036	ND	2.2 J	0.1	0.11	**1000**[4]
Naphthalene	12	2.4	0.76	120	170	ND	ND	**1000**[4]
Total VOCs (mg/kg)	***12.8***	***2.55***	***0.958***	***122***	***177***	***0.155***	***0.247***	
TCL SVOCs (mg/kg)								
Acenaphthene	0.78 J	0.11 J	0.26 J	2.6 J	3.8 J	7.3	5.5	**1000**[4]
Acenaphthylene	2.4 J	0.61 J	1.2 J	6.9	9.5	17	11 D	**1000**[4]
Anthracene	3.8 J	0.54 J	1.6 J	8.0	13	18	15 D	**1000**[4]
Benzo (a) anthracene	9.2	2.5	4.6	8.1	**12**	**20**	**15 D**	**11**
Benzo (b) fluoranthene	**11**	3.8	5.7	9.0	**12**	**27**	**15 D**	**11**
Benzo (k) fluoranthene	4.3	1.4 J	2 J	2.7 J	4.7	26	4 DJ	**110**
Benzo (g,h,i) perylene	7.0	2.4	2.9 J	4.5 J	6.3	6.1	3.6	**1000**[4]
Benzo (a) pyrene	**9.2**	**2.5**	**4.4**	**6.9**	**10**	**16**	**11 D**	**1.1**
Biphenyl	ND	ND	ND	ND	ND	4.6	3.3	--
Bis(2 - ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	--
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	--
Carbazole	ND	ND	ND	ND	ND	6.0	6.5	--
Chrysene	8.6	2.8	4.1	7.1	11	18	13 D	**110**
2,4 - Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	--
Di - n - butyl phthalate	ND	ND	ND	ND	ND	ND	ND	--

TABLE 9

IRM SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location WT-1 (10-20')							SCO RESTRICTED-INDUSTRIAL (ppm) [2]
	East Side Wall	Bottom	North Side Wall	South Side Wall	West Side Wall	NYSDEC COMPOSITE	NYSDEC GRAB	
TCL SVOCs (mg/kg)								
Di - n - octyl phthalate	ND	ND	ND	ND	ND	ND	ND	--
Dibenzo (a,h) anthracene	**2 J**	0.67 J	0.91 J	**1.4 J**	**2.1 J**	**1.8 J**	**1.1**	**1.1**
Dibenzofuran	1.4 J	0.32 J	0.56 J	6.5	11	16	14 D	**1000** [4]
Dimethyl Phthalate	ND	ND	ND	ND	ND	ND	ND	--
Fluoranthene	21	3.8	9.2	21	33	50	41 D	**1000** [4]
Fluorene	3.2 J	0.48 J	1.2 J	11 J	19	34	27 D	**1000** [4]
Indeno (1,2,3-cd) pyrene	6.5	2.2	2.7	4.4	6.2	6.4	3.8	**11**
2 - Methylnaphthalene	0.63 J	0.15 J	0.21 J	5.5 J	9.2	17	13 D	--
4-Methylphenol	ND	ND	ND	ND	ND	ND	0.1 J	--
Naphthalene	3 J	0.68 J	1.4 J	42	52	100 D	74 D	**1000** [4]
Phenanthrene	14	1.7 J	5.0	28	48	67	58 D	**1000** [4]
Pyrene	15	5.0	6.8	14	23	29	29 D	**1000** [4]
Total SVOCs (mg/kg)	***123***	***31.7***	***54.7***	***190***	***286***	***487***	***364***	***500*** [2]
Metals (mg/kg)								
Arsenic	**59.2**	**20.6**	**28.4**	**23**	**32.2**	**49.7**	**30.1**	**16**
Cadmium	2.0	11.1	3.1	1.6	2.1	2.2	1.5	**60**
Chromium	784 E	875 E	822 E	67.2 E	78 E	108	159	**6800**
Lead	135 E	807 E	219 E	154 E	250 E	361	230	**3900**
Mercury	0.28	0.173	0.248	0.255	0.144	0.68	0.2	**5.7**

TABLE 9

IRM SLAG/FILL ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location WT-1 (10-20')							SCO RESTRICTED-INDUSTRIAL (ppm) [2]
	East Side Wall	Bottom	North Side Wall	South Side Wall	West Side Wall	NYSDEC COMPOSITE	NYSDEC GRAB	
Wet Chemistry Analysis (units as indicated)								
Leachable pH (S.U.)	ND	ND	ND	ND	ND	ND	ND	--
Cyanide - total (mg/kg)	ND	ND	ND	ND	ND	ND	ND	**10000**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Value per NYSDEC Determination of Soil Cleanup Objectives and Cleanup Levels (TAGM #4046).
3. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted-Industrial, protection of human health.
4. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.

Definitions:

ND = Parameter not detected above laboratory detection limit.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = Indicates value obtained through dilution of sample.
E = Indicates value estimated or not reported due to the presence of interferences.

BOLD = Analytical result exceeds SCO

TURNKEY ENVIRONMENTAL RESTORATION, LLC

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 10

IRM STOCKPILE ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location			SCO RESTRICTED-INDUSTRIAL (ppm) [3]
	WT-1 Stockpile (Organic Soils)	WT-4 Stockpile	WT-7 Fill Overburden	
TCL VOCs (mg/kg)				
Benzene	ND	ND	ND	**89**
sec-Butylbenzene	ND	ND	ND	**1000** [4]
Isopropylbenzene	ND	ND	ND	**--**
Toluene	ND	ND	ND	**1000** [4]
1,2,4-Trimethylbenzene	0.45	ND	ND	**380**
1,3,5-Trimethylbenzene	0.26	ND	ND	**380**
TOTAL Xylenes	0.28	ND	ND	**1000** [4]
Naphthalene	36	ND	ND	**1000** [4]
Total VOCs (mg/kg)	***37***			
TCL SVOCs (mg/kg)				
Acenaphthene	2.7 J	ND	0.63	**1000** [4]
Acenaphthylene	5.1	ND	2.3	**1000** [4]
Anthracene	8.7	ND	2.5	**1000** [4]
Benzo (a) anthracene	8.2	0.88	9.8 D	**11**
Benzo (b) fluoranthene	8.6	2.6	**11 D**	**11**
Benzo (k) fluoranthene	4.7	0.64	2.5	**110**
Benzo (g,h,i) perylene	4.9	2.0	3.2	**1000** [4]
Benzo (a) pyrene	**8.1**	**1.9**	**8 D**	**1.1**
Bis(2 - ethylhexyl) phthalate	ND	0.082 J	0.22 J	**--**
Butyl benzyl phthalate	ND	ND	ND	**--**
Carbazole	ND	ND	ND	**--**
Chrysene	7.1	1.2	8.7 D	**110**
2,4 - Dimethylphenol	ND	ND	ND	**--**
Di - n - butyl phthalate	ND	ND	ND	**--**
Di - n - octyl phthalate	ND	ND	ND	**--**
Dibenzo (a,h) anthracene	**1.6J**	0.42	**1.4**	**1.1**
Dibenzofuran	7.8 J	ND	0.56	**1000** [4]
Dimethyl Phthalate	ND	ND	ND	**--**
Fluoranthene	22	0.66	15 D	**1000** [4]
Fluorene	11	ND	0.88	**1000** [4]
Indeno (1,2,3-cd) pyrene	4.9	1.5	3.1	**11**
2 - Methylnaphthalene	5.2	ND	0.48	**--**
Naphthalene	28	0.038 J	0.76	**1000** [4]
Phenanthrene	30	0.081 J	6.8 D	**1000** [4]
Pyrene	14	0.63	12 D	**1000** [4]
Total SVOCs (mg/kg)	***178***	***12.6***	***89.8***	***500*** [2]

TABLE 10

IRM STOCKPILE ANALYTICAL DATA SUMMARY

SI/RAR/IRM
Steel Winds Lackawanna Site
BQ Energy

PARAMETER[1]	Sample Location			SCO RESTRICTED-INDUSTRIAL (ppm) [3]
	WT-1 Stockpile (Organic Soils)	WT-4 Stockpile	WT-7 Fill Overburden	
Metals (mg/kg)				
Arsenic	**21.7**	**31.2 E**	5.8	**16**
Barium	ND	200 E	ND	**10000**
Cadmium	0.56	0.61	1.2	**60**
Chromium	148	237 E	58.9	**6800**
Lead	168	62.3 E	835	**3900**
Mercury	0.14	0.028	0.134	**5.7**
Selenium	ND	ND	ND	**6800**
Silver	ND	0.56	ND	**6800**
Wet Chemistry Analysis (units as indicated)				
Leachable pH (S.U.)	ND	ND	ND	--
Cyanide - total (mg/kg)	ND	3.6	ND	**10000**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Value per NYSDEC Determination of Soil Cleanup Objectives and Cleanup Levels (TAGM #4046).
3. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted-Industrial, protection of human health.
4. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.

Definitions:

ND = Parameter not detected above laboratory detection limit.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = All compounds were identified in an analyisis at the secondary dilution factor.
E = Indicates value estimated or not reported due to the presence of interferences.

BOLD = Analytical result exceeds SCO

TURNKEY ENVIRONMENTAL RESTORATION, LLC

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 11

COST ESTIMATE FOR NO FURTHER ACTION ALTERNATIVE

SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

Item	Quantity	Units	Unit Cost	Total Cost
Annual Operation Maintenance & Monitoring (OM&M):				
Groundwater Sampling/Reporting	2	Event	$ 4,500.00	$ 9,000
Annual Certification	1	Yr	$ 2,500.00	$ 2,500
Total Annual OM&M Cost				**$ 11,500**
Number of years (n):				30
Interest rate (I):				5%
p/A value:				15.3725
OM&M Present Worth (PW):				**$ 176,784**

Total Present Worth (PW): *Capital Cost + OM&M PW*	**$ 176,784**

TABLE 12

COST ESTIMATE FOR SOIL COVER SYSTEM ALTERNATIVE

SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

Item	Quantity	Units	Unit Cost	Total Cost
Institutional Controls				
Develop Site Management Plan	1	LS	$ 5,000.00	$ 5,000
Subtotal:				**$ 5,000**
Soil Cover System				
Clearing/Grubbing/Debris Removal	29	Acres	$ 862.07	$ 25,000
Subgrade Preparation	67000	CY	$ 5.07	$ 340,000
12" Cover Soil, Place & Roll	38000	CY	$ 10.53	$ 400,000
Seeding	24	Acres	$ 1,708.33	$ 41,000
Subtotal:				**$ 806,000**
Subtotal Capital Cost				**$ 811,000**
Contractor Mobilization/Demobilization (5%)				$ 40,550
Health and Safety (2%)				$ 16,220
Engineering/Contingency (35%)				$ 283,850
Total Capital Cost				**$ 1,151,620**
Annual Operation Maintenance & Monitoring (OM&M):				
Groundwater Sampling / Reporting	2	Events	$ 4,500.00	$ 9,000
Site Maintenance, Mowing	2	Yr	$ 1,000.00	$ 2,000
Annual Certification	1	Yr	$ 2,500.00	$ 2,500
Total Annual OM&M Cost				**$ 13,500**
Number of Years (n):				30
Interest Rate (I):				5%
p/A value:				15.3725
OM&M Present Worth (PW):				**$ 207,529**

Total Present Worth (PW): Capital Cost + OM&M PW	**$ 1,359,149**

TurnKey Environmental Restoration, LLC

Benchmark Environmental Engineering & Science, PLLC

TABLE 13

COST ESTIMATE FOR ENHANCED AEROBIC BIOREMEDIATION ALTERNATIVE DELIVERY VIA INJECTION

SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

Item	Quantity	Units	Unit Cost	Total Cost
In-Situ Groundwater Treatment - ORC Advanced				
ORC Injection Oversight Fieldwork (assumed 30 days)	240	HR	$ 55.00	$ 13,200
ORC Injection Project Management	24	HR	$ 128.00	$ 3,072
Installation of 180, 2" wells to 30' (rear-mounted drill rig)	5400	LF	$ 24.00	$ 129,600
Drilling Mobilization	1	LS	$ 350.00	$ 350
Decon Pad	1	LS	$ 300.00	$ 300
Decon	4	HR	$ 150.00	$ 600
Regenesis product (ORC Advanced)	11,000	LB	$ 7.25	$ 79,750
Regenesis product shipping and handling (assumed)	1	LS	$ 2,000.00	$ 2,000
Baseline Groundwater Sampling, Analysis & Reporting	1	LS	$ 3,216.00	$ 3,216
Miscellaneous supplies, PPE, etc.	1	LS	$ 500.00	$ 500
Subtotal:				**$ 232,588**
Subtotal Capital Cost				**$ 232,588**
Contractor Mobilization/Demobilization (5%)				$ 11,629
Health and Safety (2%)				$ 4,652
Engineering/Contingency (35%)				$ 81,406
Total Capital Cost				**$ 330,275**
Annual Operation Maintenance & Monitoring (OM&M):				
Groundwater Sampling & Analysis				
Years 1 & 2				
(P/A, 5%, 2 yrs) = 1.8594				
Annual Cost = $4,932.00				
Years 3, 4, & 5				
(P/A, 5%, 3 yrs) = 2.7232				
(P/F, 5%, 2 yrs) = 0.9070				
Annual Cost = $3,216.00				
Total Annual OM&M Cost				**$ 8,148**
OM&M Present Worth (PW):				**$ 17,114**

Total Present Worth (PW): Capital Cost + OM&M PW	**$ 347,389**

TABLE 14

COST ESTIMATE FOR ENHANCED AEROBIC BIOREMEDIATION ALTERNATIVE DELIVERY VIA FILTER SOCKS

SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

Item	Quantity	Units	Unit Cost	Total Cost
In-Situ Groundwater Treatment - ORC Advanced				
Drilling/ORC Oversight Fieldwork (assumed 12 days)	96	HR	$ 55.00	$ 5,280
ORC Injection Project Management	20	HR	$ 128.00	$ 2,560
Drilling/MW installation (2 x 4" wells @ 35 ft each)	70	FT	$ 44.00	$ 3,080
Drilling Mobilization	1	LS	$ 350.00	$ 350
Protective Casings	2	EA	$ 220.00	$ 440
Decon Pad	1	LS	$ 300.00	$ 300
Decon	4	HR	$ 150.00	$ 600
Regenesis Product (1-ft ORC Advanced Socks) (10 events)	500	EA	$ 75.00	$ 37,500
Regenesis Product Shipping and Handling (assumed)	1	LS	$ 1,200.00	$ 1,200
Baseline Groundwater Sampling, Analysis & Reporting	1	LS	$ 3,916.00	$ 3,916
Miscellaneous Supplies, PPE, etc.	1	LS	$ 1,000.00	$ 1,000
Subtotal:				**$ 56,226**
Subtotal Capital Cost				**$ 56,226**
Contractor Mobilization/Demobilization (5%)				$ 2,811
Health and Safety (2%)				$ 1,125
Engineering/Contingency (35%)				$ 19,679
Total Capital Cost				**$ 79,841**
Annual Operation Maintenance & Monitoring (OM&M):				
Groundwater Sampling & Analysis				
Year 1				
(P/A, 5%, 1 yr) = 0.9524				
Annual Cost = $ 10,032.00				
Year 2				
(P/A, 5%, 1 yr) = 0.9524				
(P/F, 5%, 1 yr) = 0.9524				
Annual Cost = $ 4,932.00				
Years 3, 4, & 5				
(P/A, 5%, 3 yrs) = 2.7232				
(P/F, 5%, 2 yrs) = 0.907				
Annual Cost = $ 3,216.00				
Total Annual OM&M Cost				**$ 18,180**
OM&M Present Worth (PW):				**$ 21,971**

Total Present Worth (PW): Capital Cost + OM&M PW	**$ 101,812**

TurnKey Environmental Restoration, LLC

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TABLE 15

COST ESTIMATE FOR UNRESTRICTED USE ALTERNATIVE

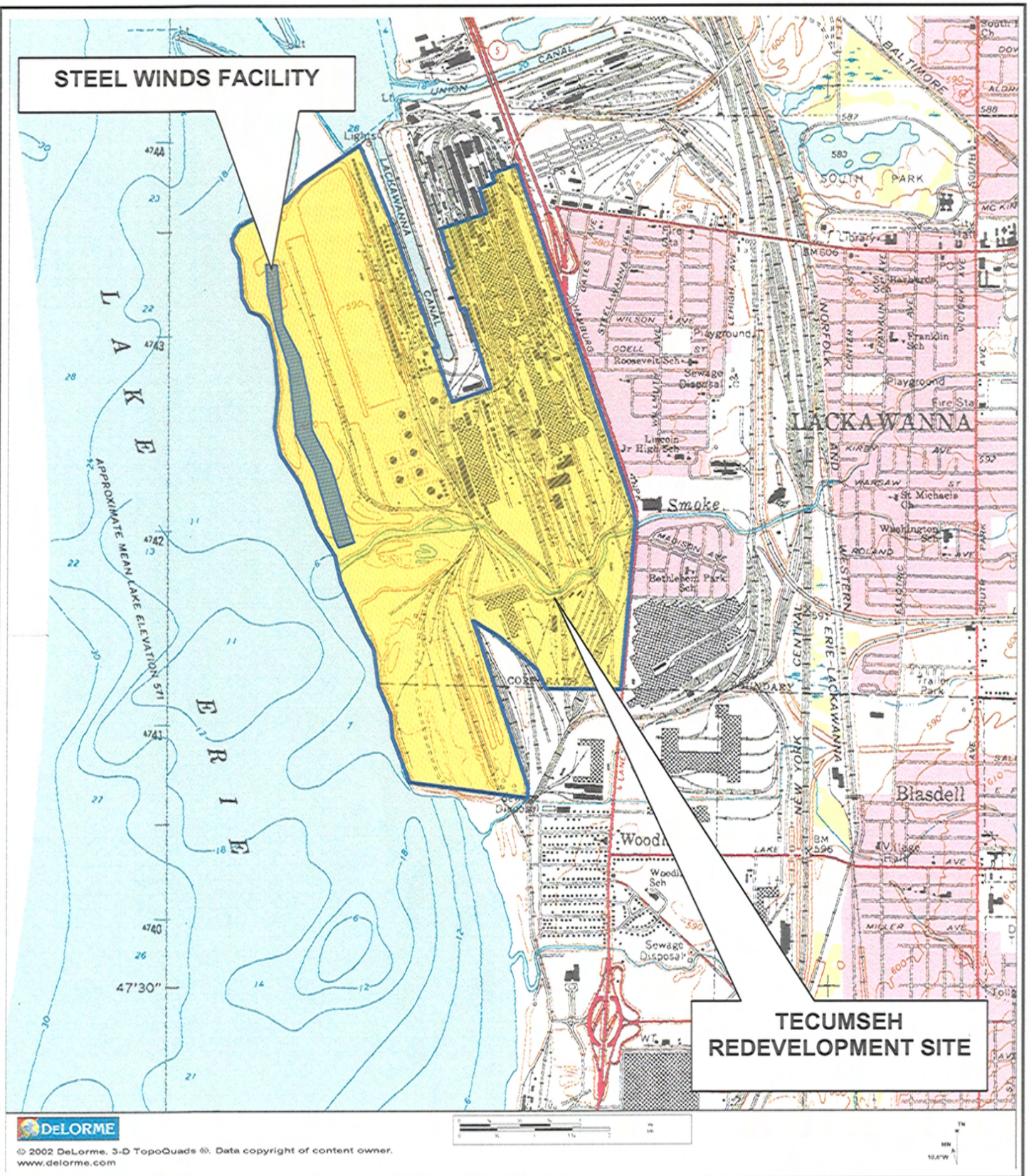
SI/RAR/IRM REPORT
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

Item	Quantity	Units	Unit Cost	Total Cost
Institutional Controls				
Develop Site Management Plan	1	LS	$ 5,000.00	$ 5,000
Fencing	6400	LF	$ 20.00	$ 128,000
Subtotal:				**$ 133,000**
Impacted Slag/Fill Removal				
Soil/Fill Excavating & Hauling	349348	CY	$ 10.00	$ 3,493,481
Disposal at TSDF	489087	TON	$ 50.00	$ 24,454,370
Verification Sampling	1	LS	$ 3,000.00	$ 3,000
Subtotal:				**$ 27,950,852**
Site Restoration				
Asphalt cover surrounding turbines	10500	SY	$ 20.00	$ 210,000
TAGM 4046 Backfill, Place & Compact	331881	CY	$ 15.00	$ 4,978,211
6" Topsoil	17467	CY	$ 20.00	$ 349,348
Seeding	22	Acres	$ 2,500.00	$ 54,135
Subtotal:				**$ 5,591,694**
Subtotal Capital Cost				**$ 33,675,546**
Contractor Mobilization/Demobilization (5%)				$ 1,683,777
Health and Safety (2%)				$ 673,511
Engineering/Contingency (35%)				$ 11,786,441
Total Capital Cost				**$ 47,819,275**
Annual Operation Maintenance & Monitoring (OM&M):				
Groundwater Sampling / Reporting	2	Events	$ 4,500.00	$ 9,000
Site Maintenance and Mowing	2	Yr	$ 1,000.00	$ 2,000
Fence Maintenance and Repairs	1	Yr	$ 500.00	$ 500
Annual Certification	1	Yr	$ 2,500.00	$ 2,500
Total Annual OM&M Cost				**$ 14,000**
Number of Years (n):				30
Interest Rate (I):				5%
p/A value:				15.3725
OM&M Present Worth (PW):				**$ 215,215**

Total Present Worth (PW): Capital Cost + OM&M PW	**$ 48,034,490**

FIGURES

FIGURE 1



TURNKEY ENVIRONMENTAL RESTORATION, LLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-635

PROJECT NO.: 0071-003-100

DATE: APRIL 2007

DRAFTED BY: BCH

SITE LOCATION AND VICINITY MAP

SI/RAR/IRM REPORT

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

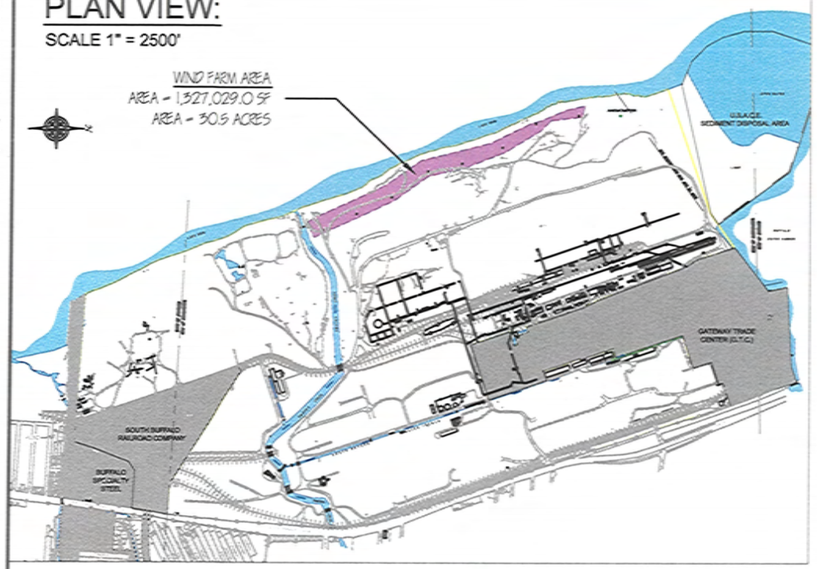
PREPARED FOR
BQ ENERGY, LLC

FILEPATH=\\cad\turnkey\bq energy & process energy\steel winds\si-rar-irm report\figure 1; site vicinity and location mapdwg

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds (BQ)\SI-RAR-IRM Report\Figure 2; Steel Winds Site Plan.dwg

PLAN VIEW:

SCALE 1" = 2500'



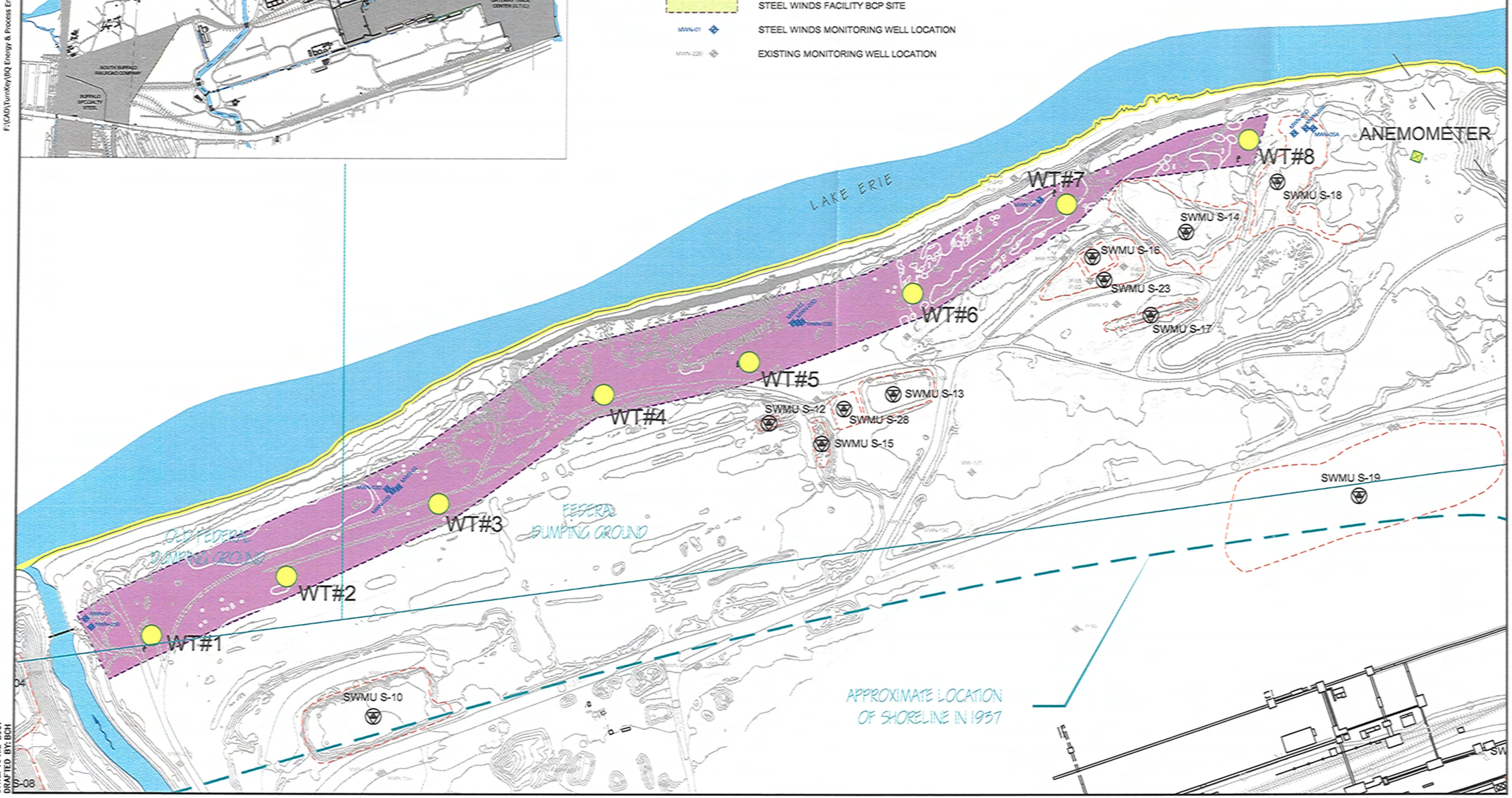
LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- ANEMOMETER LOCATION
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 — STEEL WINDS MONITORING WELL LOCATION
- MWN-22S — EXISTING MONITORING WELL LOCATION

N

400' 0' 400' 800'

SCALE: 1 INCH = 400 FEET
SCALE IN FEET
(approximate)



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JOB NO.: 0071-003-100

STEEL WINDS SITE PLAN

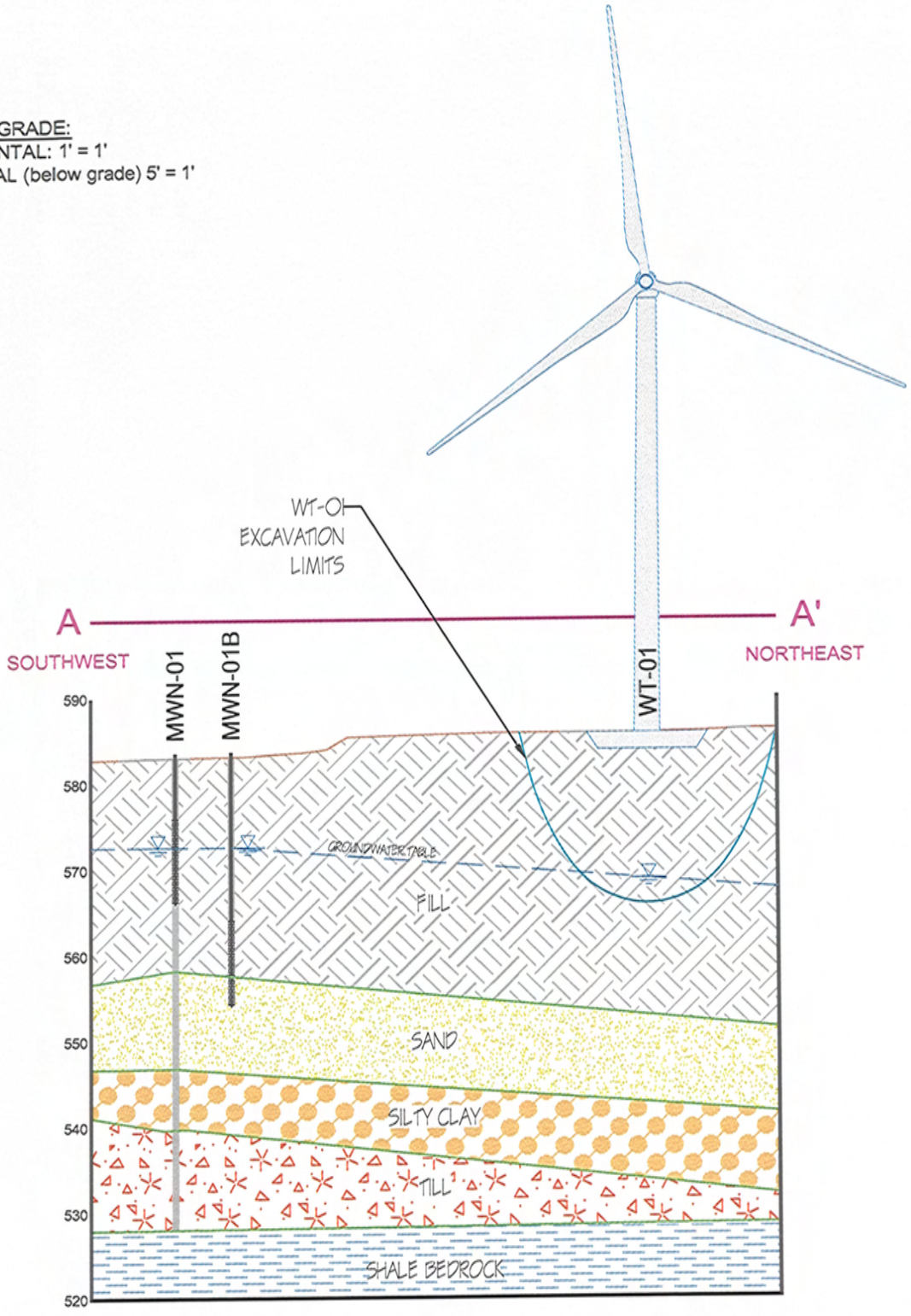
SI/RAR/IRM REPORT

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

PREPARED FOR
BQ ENERGY, LLC

FIGURE 2

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds (BQ)\Supplemental Soil-Fill & GW Investigation\Figure 2A; Cross Section Wind Turbine WT-01 Vicinity.dwg



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CROSS-SECTION
WIND TURBINE WT-01 VICINITY

SI/RAR

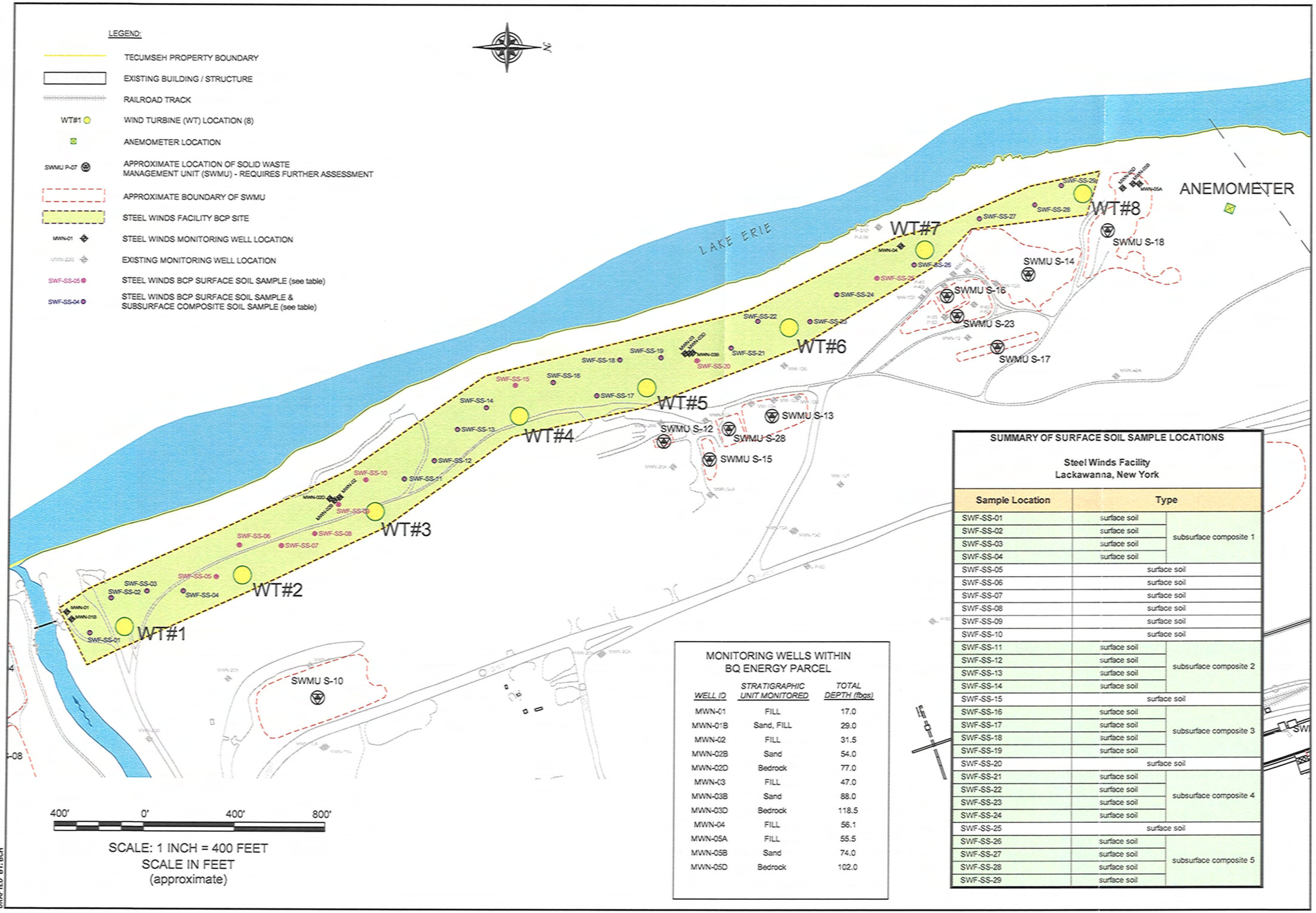
STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

PREPARED FOR
BQ ENERGY, LLC

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds\SI-RAR-IRM Report\Figure 3; Slag-Fill Sample Locations.dwg

LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- ANEMOMETER LOCATION
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 — STEEL WINDS MONITORING WELL LOCATION
- MWN-22D — EXISTING MONITORING WELL LOCATION
- SWF-SS-05 — STEEL WINDS BCP SURFACE SOIL SAMPLE (see table)
- SWF-SS-04 — STEEL WINDS BCP SURFACE SOIL SAMPLE & SUBSURFACE COMPOSITE SOIL SAMPLE (see table)



MONITORING WELLS WITHIN BQ ENERGY PARCEL

WELL ID	STRATIGRAPHIC UNIT MONITORED	TOTAL DEPTH (fbgs)
MWN-01	FILL	17.0
MWN-01B	Sand, FILL	29.0
MWN-02	FILL	31.5
MWN-02B	Sand	54.0
MWN-02D	Bedrock	77.0
MWN-03	FILL	47.0
MWN-03B	Sand	88.0
MWN-03D	Bedrock	118.5
MWN-04	FILL	56.1
MWN-05A	FILL	55.5
MWN-05B	Sand	74.0
MWN-05D	Bedrock	102.0

SUMMARY OF SURFACE SOIL SAMPLE LOCATIONS

Steel Winds Facility
Lackawanna, New York

Sample Location	Type	
SWF-SS-01	surface soil	subsurface composite 1
SWF-SS-02	surface soil	
SWF-SS-03	surface soil	
SWF-SS-04	surface soil	
SWF-SS-05	surface soil	
SWF-SS-06	surface soil	
SWF-SS-07	surface soil	
SWF-SS-08	surface soil	
SWF-SS-09	surface soil	
SWF-SS-10	surface soil	
SWF-SS-11	surface soil	subsurface composite 2
SWF-SS-12	surface soil	
SWF-SS-13	surface soil	
SWF-SS-14	surface soil	
SWF-SS-15	surface soil	
SWF-SS-16	surface soil	subsurface composite 3
SWF-SS-17	surface soil	
SWF-SS-18	surface soil	
SWF-SS-19	surface soil	
SWF-SS-20	surface soil	
SWF-SS-21	surface soil	subsurface composite 4
SWF-SS-22	surface soil	
SWF-SS-23	surface soil	
SWF-SS-24	surface soil	
SWF-SS-25	surface soil	
SWF-SS-26	surface soil	subsurface composite 5
SWF-SS-27	surface soil	
SWF-SS-28	surface soil	
SWF-SS-29	surface soil	

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JOB NO.: 0071-003-100

SLAG/FILL SAMPLE LOCATIONS

SI/RAR/IRM REPORT

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

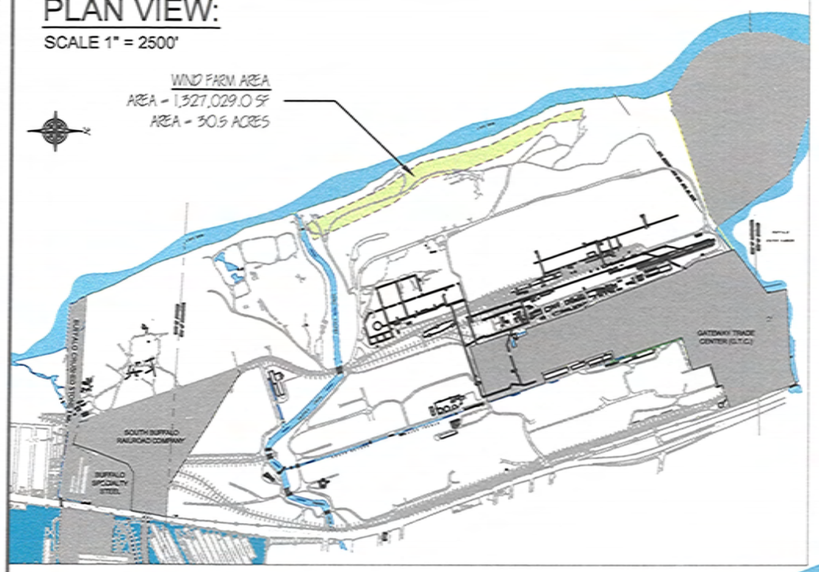
PREPARED FOR
BQ ENERGY, LLC

FIGURE 3

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds (BQ)\SI-RAR-IRM Report\Figure 4; Isopotential Map - Shallow GW (REV JUNE 2007).dwg

PLAN VIEW:

SCALE 1" = 2500'



LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- ANEMOMETER LOCATION
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 (572.7) — STEEL WINDS MONITORING WELL LOCATION (with shallow groundwater elevation)
- MWN-22S / MWN-23B — EXISTING MONITORING WELL LOCATION (water level measurement)
- 572 — GROUNDWATER ELEVATION CONTOUR (fmsl)
- GROUNDWATER FLOW DIRECTION

400' 0' 400' 800'

SCALE: 1 INCH = 400 FEET
SCALE IN FEET
(approximate)

LAKE ERIE (571.94)

SMOKES CREEK

WT#1 WT#2 WT#3 WT#4 WT#5 WT#6 WT#7 WT#8

ANEMOMETER

SWMU S-10 SWMU S-12 SWMU S-13 SWMU S-14 SWMU S-15 SWMU S-16 SWMU S-17 SWMU S-18 SWMU S-19 SWMU S-23 SWMU S-28 SWMU P-04 SWMU P-05 SWMU P-06 SWMU P-74A SWMU P-74B SWMU P-74C

572 573 574 575

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TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0071-003-100

ISOPOTENTIAL MAP - SHALLOW GROUNDWATER
05/11/07

SUPPLEMENTAL SOIL/FILL & GROUNDWATER INVESTIGATION

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

PREPARED FOR
BQ ENERGY, LLC

FIGURE 4

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds\SI-RAR-IRM Report\Figure 5; Isopotential Map - Bedrock GW.dwg

LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- ANEMOMETER LOCATION
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-02D (572.7) — STEEL WINDS MONITORING WELL LOCATION (with bedrock groundwater elevation)
- MWN-22S — TECUMSEH MONITORING WELL LOCATION
- 572 — GROUNDWATER ELEVATION CONTOUR (fmsl)
- GROUNDWATER FLOW DIRECTION

N

LAKE ERIE

WT#1
WT#2
WT#3
WT#4
WT#5
WT#6
WT#7
WT#8

ANEMOMETER

SWMU S-10
SWMU S-12
SWMU S-13
SWMU S-14
SWMU S-15
SWMU S-16
SWMU S-17
SWMU S-18
SWMU S-19
SWMU S-23
SWMU S-28

400' 0' 400' 800'

SCALE: 1 INCH = 400 FEET
SCALE IN FEET
(approximate)

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JOB NO.: 0071-003-100

ISOPOTENTIAL MAP - BEDROCK GROUNDWATER

SI/RAR/IRM REPORT

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

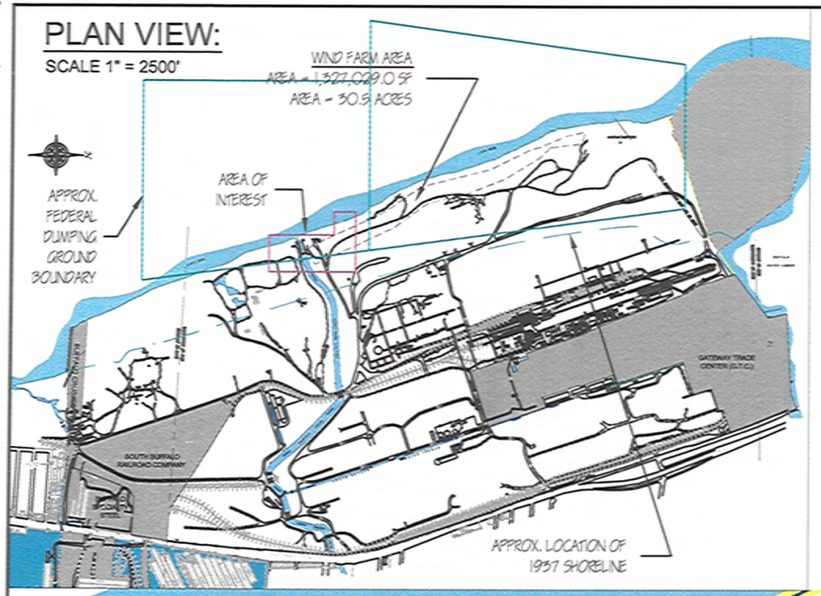
PREPARED FOR
BQ ENERGY, LLC

FIGURE 5

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds (BQ)\SI-RAR-IRM Report\Figure 6; WT-1 Vicinity Sample Locations & GW Analytical Data.dwg

PLAN VIEW:

SCALE 1" = 2500'



LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 — STEEL WINDS MONITORING WELL LOCATION
- MWN-22B — EXISTING MONITORING WELL LOCATION
- SUPPLEMENTAL INVESTIGATION AREA
- WT1-01 (4-inch well) — PLANNED MONITORING WELL LOCATION AND DIAMETER (final locations to be field verified)

N

100' 0' 100' 200'

SCALE: 1 INCH = 100 FEET
SCALE IN FEET
(approximate)

WT1-05
TOTAL VOCs = 118.77 ppb
Benzene = 49 ppb
Toluene = 16 ppb
Xylenes = 36 ppb
Naphthalene = 350 D ppb

WT1-06
TOTAL VOCs = 107.7 ppb
Benzene = 65 ppb
Toluene = 10 ppb
Xylenes = 27 ppb
Naphthalene = 140 ppb

WT1-07
TOTAL VOCs = 109.44 ppb
Benzene = 61 ppb
Toluene = 9.3 ppb
Xylenes = 26 ppb
Naphthalene = 100 ppb

MWN-01
TOTAL VOCs = 241 ppb
Benzene = 120 ppb
Toluene = 28 ppb
Xylenes = 69 ppb
Naphthalene = 480 ppb

MWN-01B
TOTAL VOCs = 185 ppb
Benzene = 110ppb
Toluene = 26 ppb
Xylenes = 24 ppb
Naphthalene = 1100 ppb

WT1-04
TOTAL VOCs = 131.29 ppb
Benzene = 77 ppb
Toluene = 9.4 ppb
Xylenes = 31 ppb
Naphthalene = 79 ppb

WT1-02
TOTAL VOCs = 135.2 ppb
Benzene = 75 ppb
Toluene = 10 ppb
Xylenes = 31 ppb
Naphthalene = 48 ppb

WT1-01
TOTAL VOCs = 170.7 ppb
Benzene = 95 ppb
Toluene = 13 ppb
Xylenes = 43 ppb
Naphthalene = 79 ppb

WT1-03
TOTAL VOCs = 70.3 ppb
Benzene = 43 ppb
Toluene = 5.2 J ppb
Xylenes = 14 J ppb
Naphthalene = 46 ppb

LAKE ERIE
SMOKES CREEK
OLD FEDERAL DUMPING GROUND EASTERN LIMIT
WT #1 (66' diam. concrete base)
WT #2 (66' diam. concrete base)
WT1-07 (2-inch well)
WT1-06 (2-inch well)
WT1-05 (2-inch well)
WT1-04 (2-inch well)
WT1-02 (4-inch well)
WT1-01 (4-inch well)
WT1-03 (4-inch well)
P-25M
P-25D
P-25S
MWS-27A
MWN-01
MWN-01B
MWS-01
MWS-01B
MW-2D4
SWMU S-03
SWMU S-04
MWN-22B

728 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0071-003-100

WT-1 VICINITY SAMPLE LOCATIONS & GROUNDWATER ANALYTICAL DATA

SI/RAR/IRM REPORT

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

PREPARED FOR
BQ ENERGY, LLC

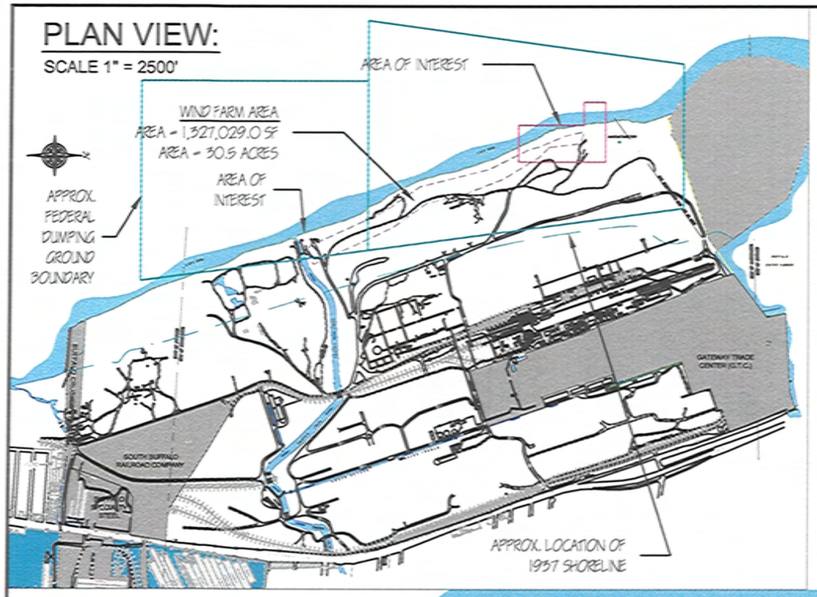
FIGURE 6

DATE: MAY 2007
DRAFTED BY: BCH

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds (BQ)\SI-RAR-IRM Report\Figure 7; WT-8 Vicinity Sample Locations & GW Analytical Data.dwg

PLAN VIEW:

SCALE 1" = 2500'



LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 — STEEL WINDS MONITORING WELL LOCATION
- MWN-22B — EXISTING MONITORING WELL LOCATION
- SUPPLEMENTAL INVESTIGATION AREA
- WT8-01 (2-inch well) — PLANNED MONITORING WELL LOCATION AND DIAMETER (final locations to be field verified)

N

100' 0' 100' 200'

SCALE: 1 INCH = 100 FEET
SCALE IN FEET
(approximate)

LAKE ERIE

MWN-05A
TOTAL VOCs = 8.54 ppb
Benzene = 0.68 J ppb
Toluene = 0.53 J ppb
Xylenes = ND ppb
Naphthalene = ND ppb

WT8-02
TOTAL VOCs = 34.2 ppb
Benzene = ND ppb
Toluene = ND ppb
Xylenes = ND ppb
Naphthalene = 9 J ppb

WT8-02 (2-inch well)

MWN-05D
MWN-05B
MWN-05A

WT #8
(66' diam. concrete base)

MWN-05B
TOTAL VOCs = 459 ppb
Benzene = 69 ppb
Toluene = 61 ppb
Xylenes = 54 ppb
Naphthalene = 960 ppb

P-31S
P-31D
P-31M

WT8-01 (2-inch well)

SWMU S-18

WT #7
(66' diam. concrete base)

MWN-04

WT8-01
TOTAL VOCs = 29.7 ppb
Benzene = 4.1 J ppb
Toluene = 7.2 J ppb
Xylenes = 5.5 J ppb
Naphthalene = 210 ppb

MW-1D7
P-7S
P-7D
SWMU S-14
MW-1D8
MW-1D1

DATE: MAY 2007
DRAFTED BY: BCH

726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0635

TurnKey Environmental Restoration, LLC

JOB NO.: 0071-003-100

WT-8 VICINITY SAMPLE LOCATIONS & GROUNDWATER ANALYTICAL DATA

SI/RAR/IRM REPORT

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

PREPARED FOR
BQ ENERGY, LLC

FIGURE 7

APPENDIX A

OCTOBER 2004 RFI BORING LOGS & WELL COMPLETION DETAILS

APPENDIX A

SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS

SI/RAR/IRM Report
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

Well I.D.	Ground Elevation (fmsl)	TOR Elevation (fmsl)	Stick-up (feet)	Construction Date	Total Depth		Screened Interval (fbTOR)	Screen Length (feet)	Riser/Screen Diameter (in.)	Riser/Screen Material	Screen Slot Size (in.)	Stratigraphic Unit Monitored (per Final RFI)	Sampling Method
					fbgs	fbTOR							
MWN-01	582.99	585.14	2.15	08/30/90	17.0	19.15	9.15 - 19.15	10.0	4.0	PVC / SS	0.010	fill	low-flow - peristaltic pump
MWN-01B	583.79	587.03	3.24	11/02/92	29.0	32.24	22.24 - 32.24	10.0	2.0	PVC,SS / SS	0.010	sand, fill	low-flow - peristaltic pump
MWN-02	598.89	601.01	2.12	09/10/90	31.5	33.62	23.62 - 33.62	10.0	4.0	PVC / SS	0.010	fill	low-flow - peristaltic pump
MWN-02B	599.00	601.28	2.28	11/02/92	54.0	56.28	46.28 - 56.28	10.0	2.0	PVC,SS / SS	0.010	sand	low-flow - submersible pump
MWN-02D	600.61	602.95	2.34	08/04/95	77.0	79.34	74.34 - 79.34	5.0	2.0	PVC,SS / SS	0.020	bedrock	low-flow - submersible pump
MWN-03	609.79	611.96	2.17	09/06/90	47.0	49.17	39.17 - 49.17	10.0	4.0	PVC / SS	0.010	fill	low-flow - submersible pump
MWN-03B	609.57	612.29	2.72	11/05/92	88.0	90.72	60.72 - 70.72	10.0	2.0	PVC,SS / SS	0.010	sand, clay, peat	low-flow - submersible pump
MWN-03D	610.75	613.51	2.76	07/29/94	118.5	121.26	111.26 - 121.26	10.0	2.0	PVC,SS / SS	0.020	bedrock	low-flow - submersible pump
MWN-04	621.02	623.45	2.43	09/12/90	56.1	58.53	48.53 - 58.53	10.0	4.0	PVC / SS	0.010	fill	low-flow - submersible pump
MWN-05A	620.22	622.84	2.62	01/02/91	55.5	58.12	48.12 - 58.12	10.0	4.0	PVC / SS	0.010	fill	low-flow - submersible pump
MWN-05B	617.85	620.54	2.69	11/03/92	74.0	76.69	66.69 - 76.69	10.0	2.0	PVC,SS / SS	0.010	sand	low-flow - submersible pump
MWN-05D	615.03	618.42	3.39	08/18/95	102.0	105.39	100.39 - 105.39	5.0	2.0	PVC,SS / SS	0.020	bedrock	low-flow - submersible pump
WT1-01	600.22	602.85	2.63	06/08/07	38.0	40.63	28.00 - 38.00	10.0	4.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT1-02	598.50	600.78	2.28	06/11/07	36.0	38.28	26.00 - 36.00	10.0	4.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT1-03	596.88	599.14	2.26	06/11/07	34.0	36.26	24.00 - 34.00	10.0	4.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT1-04	584.43	586.45	2.02	05/21/07	24.0	26.02	14.00 - 24.00	10.0	2.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT1-05	581.66	584.41	2.75	05/29/07	20.0	22.75	10.00 - 20.00	10.0	2.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT1-06	590.94	593.20	2.26	05/30/07	30.0	32.26	20.00 - 30.00	10.0	2.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT1-07	597.45	600.31	2.86	05/30/07	32.5	35.36	22.50 - 32.50	10.0	2.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT8-01	610.60	612.49	1.89	06/04/07	48.0	49.89	38.00 - 48.00	10.0	2.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer
WT8-02	643.45	645.62	2.17	06/07/07	79.5	81.67	69.50 - 79.50	10.0	2.0	PVC / PVC	0.010	sand, fill	disposable polyethylene bailer

Notes:

1. " fmsl " = feet above mean sea level.
2. " fbgs " = feet below ground surface
3. " fbTOR " = feet below Top of Riser
4. Data presented in this table for designated "MWN" monitoring wells are as published in the Final RCRA Facility Investigation Report, prepared by URS Corporation, October 2004.
5. Data presented in this table for designated "WT" monitoring wells were installed & surveyed by TurnKey Environmental Restoration, LLC in July 2007.

MWN-01

DATE
STARTED 8/29/90
FINISHED 8/30/90
SHEET 1 OF 2

EMPIRE SOILS INVESTIGATIONS INC.

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-1
SURF. ELEV. 584.4
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH FEET	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0								Brown-gray f.c gravel (slag) and f.c sand, little tr. silt (moist, fill)	
5								Becomes wet	
10									
15		1	11	39		118	BG	Black f.c Sand (cinders & coke) and some f.c Gravel (silt), little tr. silt (wet, Fill)	
			79	49					
20									
25								Black cinders (coke) and sand	PID= Organic vapor measurements taken with a photoionization detector (PID). Measurements recorded in parts per million (ppm)
30								Gray-brown sandy silt	BG = Background PID Measurements= 0.0 - 0.2 ppm
35									Note: Very slight sheen on return water from black cinders.
40								Gray-brown Silty Clay	

N = No blows to drive 2 " spoon 12 " with 140 lb. pin wt. falling 30 "per blow.
C = No blows to drive ____ " casing ____ " with ____ lb. weight falling ____ "per blow.

CLASSIFICATION Visual by Geologist

METHOD OF INVESTIGATION ASTM D-1586 using 6-¼" Hollow Stem Augers

DATE
STARTED 8/28/90
FINISHED 8/30/90
SHEET 2 OF 2

EMPIRE SOILS INVESTIGATIONS INC.

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-1
SURF. ELEV. 584.4
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6 6/12 12/18 N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
40						
45						
50						
55					Refusal with Hollow Stem Augers Top of Rock Boring complete at 55' approx.	Free Standing Water measured at 10.9' at boring completion

Refer to Monitoring Well Completion Reports For Well Installation Details.

N = No blows to drive 2 " spoon 12 " with 140 lb. pin wt. falling 30 "per blow.
C = No blows to drive ____ " casing ____ " with ____ lb weight falling ____ "per blow.

CLASSIFICATION Visual by Geologist

METHOD OF INVESTIGATION ASTM D-1586 using 6-¼" Hollow Stem Augers

EMPIRE
SOILS INVESTIGATIONS INC.

MONITORING WELL COMPLETION RECORD

PROJECT : Bethlehem Steel WELL No. MWN-1
PROJECT No. : BTA-90-133 LOCATION : Lackawanna, N.Y.
INSTALLATION DATE(S) : 8/30/90 to 8/31/90
FIELD GEOLOGIST : L.A. Zimmerman

DRILLER : J. Lamm
DRILLING METHOD : ASTM-D-1586
DEVELOPMENT METHOD Bailer/Handpump



ELEVATION / TOP OF SURFACE CASING : 587.16
STICK-UP / TOP OF SURFACE CASING : 2.76'
ELEVATION / TOP OF RISER PIPE : 586.43
STICK-UP / TOP OF RISER PIPE : 2.03'
TYPE OF SURFACE SEAL : Sakrete
I.D. OF SURFACE CASING : 8-Inch Square
TYPE OF SURFACE CASING : Corrosion-resistant steel
TYPE OF BACKFILL : Cement/Bentonite grout
BOREHOLE DIAMETER : Nominal 12-1/4-inches
I.D. OF RISER PIPE : 4.0-inches
TYPE OF RISER PIPE : Polyvinyl Chloride (PVC), Schedule 40, threaded
DEPTH OF SEAL : 2.0'
TYPE OF SEAL : Bentonite Pellets Bentonite Slurry
DEPTH OF SAND PACK : 4.5'
DEPTH TOP OF SCREEN : 7.0'
TYPE OF SCREEN : Type 316-Stainless Steel
SLOT SIZE x LENGTH : 0.010" slot x 10'
I.D. OF SCREEN : 4.0-inches
TYPE OF SAND PACK : #2-0Rok Sand
DEPTH BOTTOM OF SCREEN : 17.0'
DEPTH BOTTOM OF SAND PACK : 19.0'
* TYPE OF BACKFILL BELOW OBSERVATION WELL : #2 0Rok Sand & Cement/Bentonite Grout
ELEVATION / DEPTH OF HOLE : 529.4 / 55.0'

DAMES & MOORE
A PROFESSIONAL LIMITED PARTNERSHIP

WELL DEVELOPMENT RECORD

WELL No. MW-N1

PROJECT : BSC - Phase 1 Investigation PROJECT No. : BTA-90-133 SITE LOCATION : Lackawanna, New York

CONTRATOR : Empire Soils Investigations METHOD(S) OF DEVELOPMENT : Purged with BK Pump

FIELD INSPECTOR(S) : Sharon McLellan, Robert Rae

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
11/27/90	Sunny, 30°-60°F, moderate winds	10:15-	Initial = 12.35						Initial water level prior to development
				12.1	14.2	1.45	76	Black, turbid, slight organic odor	20 gallons removed
				12.2	14.2	1.67	72		35 gallons removed
				12.1	14.4	1.37	72		45 gallons removed
				12.1	14.3	1.38	68		50 gallons removed
				12.2	14.4	1.38	66		55 gallons removed
		11:20	Final = 12.45						Final water level After development

Note: 4 2" = one well volume.

MWN-01B

LOG OF BORING

PROJECT: Bethlehem Steel Corp., RFI	PROJECT NUMBER: 00120-158-152	SHEET NO.: 1 of 1	HOLE NUMBER: MWN-1B	
SITE: Lackawanna, NY	COORDINATES: S50+37.08 / W34+50.66	LOGGED BY: K. Ignaszak	CHECKED BY: KDI 3/11/93	
BEGUN: 11/2/92	COMPLETED: 11/2/92	DRILLER: Empire Soils/D. Beltz	DRILLING EQUIPMENT: Failing F-10, 4-1/4" HS Augers	BORING DIA.: 8"
TOTAL DEPTH: 29.5				
CORE RECOVERY (FT./%): /	CORE BOXES:	SAMPLES: 3	CASING STICKUP: 3.70	GROUND ELEV.: 584.8 Plant
DEPTH/*ELEV.* GROUND WATER: ▽ 9.76 / *575.0*, ▼ 9.76 / *575.0*	DEPTH/*ELEV.* TOP OF ROCK: 55.0 / *529.8*			
SAMPLE TYPE: Split Spoon	CASING DIA/LENGTH: 6"SQ/4	NOTES: Units =Feet HNu bkg=0.3ppm		

SAMPLE NUMBER	LENGTH/RECOV. (Inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
					BROWN AND GRAY FINE TO MEDIUM GRAVEL AND COARSE SILTY SAND with trace of roots and organic material (moist) (loose)[SLAG FILL]	
					GRAY TO DARK GRAY COARSE SILTY SAND AND FINE DARK GRAY GRAVEL with trace of silt (moist) (loose)[SLAG FILL]	Augering very easy.
						Augering slightly more difficult.
						Augering very difficult at 17'.
1	3/1	100/3"	BKG		DARK GRAY TO DARK BROWN COARSE SILTY SAND AND FINE DARK GRAY GRAVEL (moist) (dense)[SLAG FILL]	
2	24/20	44	BKG	*558.8* 26.0	DARK GRAY TO BLACK MEDIUM GRAINED SILTY SAND (moist) (medium dense) [SAND]	
3	24/24	14	BKG		DARK BROWN SANDY SILT with trace of silty clay (moist) (medium stiff to stiff)[SAND]	
				555.3 29.5	Boring completed at 29.5 ft. on 11/2/92 at 2:00pm.	

5 10 15 20 25 30 35

Dames & Moore

WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	MWN-1B

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	S50+37.08 / W34+50.66	584.8 Plant ☒Surveyed ☐Estimated	3.70

Soil Boring Cross-Reference *MWN-1B*
Town and City *Lackawanna*
County and State *Erie, NY*

Installation Date (s) *11/2/92*

Drilling Method *Failing F-10, 4-1/4" HS Augers*
Drilling Contractor *Empire Soils/D. Beitz*
Drilling Fluid *None*

Development Technique (s) / Dates
Bailer 12/4/93

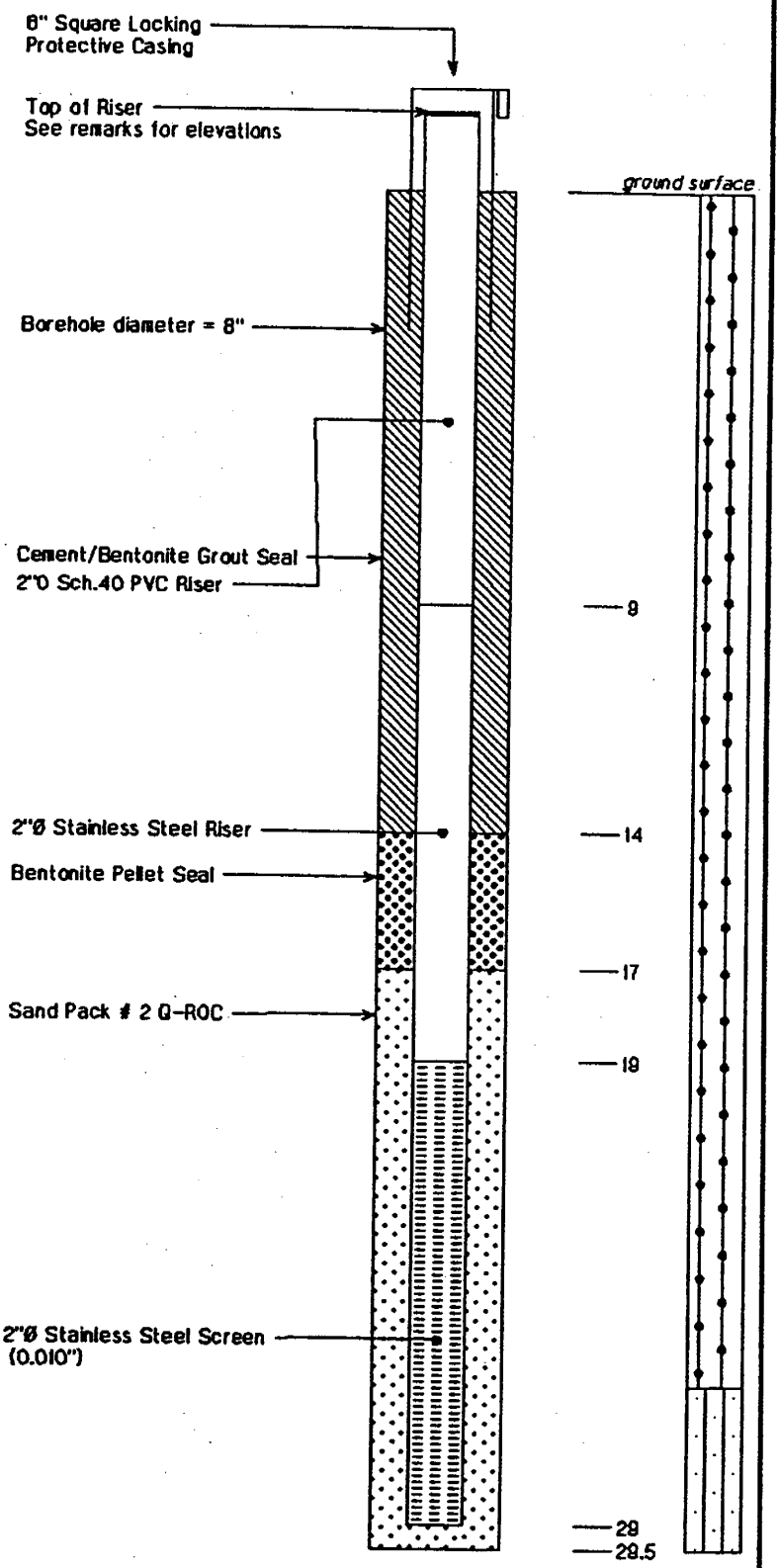
Fluid Loss During Drilling (gals) _____
Water Removed During Development (gals)
21.4 - 12/4/92

Static Depth to Water Date *12/4/92*
Static Depth to Water (feet) *13.22 (Top of riser)*

Well Purpose *Groundwater monitoring*

Remarks *Not to Scale*
Top of riser elevation: 588.26
Top of protective casing elevation: 588.50

Prepared By *J. Paul*
Date Prepared *11/6/92*



Dames & Moore

LOG OF BORING

PROJECT: Bethlehem Steel Corp., RFI	PROJECT NUMBER: 00120-158-152	SHEET NO.: 1 of 1	HOLE NUMBER: MWN-1B	
SITE: Lackawanna, NY	COORDINATES: S50+37.08 / W34+50.66	LOGGED BY: K. Ignaszak	CHECKED BY: KDI 3/11/93	
BEGUN: 11/2/92	COMPLETED: 11/2/92	DRILLER: Empire Soils/D. Beltz	DRILLING EQUIPMENT: Falling F-10, 4-1/4" HS Augers	BORING DIA.: 8"
TOTAL DEPTH: 29.5				
CORE RECOVERY (FT./%): /	CORE BOXES:	SAMPLES: 3	CASING STICKUP: 3.70	GROUND ELEV.: 584.8 Plant
DEPTH/*ELEV.* GROUND WATER: ▽ 9.76 / *575.0*; ▽ 9.76 / *575.0*	DEPTH/*ELEV.* TOP OF ROCK: 55.0 / *529.8*			
SAMPLE TYPE: Split Spoon	CASING DIA/LENGTH: 6"SQ/4	NOTES: Units =Feet HNu bkg=0.3ppm		

SAMPLE NUMBER	LENGTH/RECOV. (Inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
					BROWN AND GRAY FINE TO MEDIUM GRAVEL AND COARSE SILTY SAND with trace of roots and organic material (moist) (loose)[SLAG FILL]	
						Augering very easy.
					GRAY TO DARK GRAY COARSE SILTY SAND AND FINE DARK GRAY GRAVEL with trace of silt (moist) (loose)[SLAG FILL]	
						Augering slightly more difficult.
						Augering very difficult at 17'.
1	3/1	100/3"	BKG		DARK GRAY TO DARK BROWN COARSE SILTY SAND AND FINE DARK GRAY GRAVEL (moist) (dense)[SLAG FILL]	
2	24/20	44	BKG	*558.8* 26.0	DARK GRAY TO BLACK MEDIUM GRAINED SILTY SAND (moist) (medium dense) [SAND]	
3	24/24	14	BKG		DARK BROWN SANDY SILT with trace of silty clay (moist) (medium stiff to stiff)[SAND]	
				555.3 29.5	Boring completed at 29.5 ft. on 11/2/92 at 2:00pm.	

5 10 15 20 25 30 35

Dames & Moore

WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	MWN-1B

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	S50+37.08 / W34+50.66	584.8 Plant ☒Surveyed ☐Estimated	3.70

Soil Boring Cross-Reference *MWN-1B*
Town and City *Lackawanna*
County and State *Erie, NY*

Installation Date (s) *11/2/92*

Drilling Method *Failing F-10, 4-1/4" HS Augers*
Drilling Contractor *Empire Soils/D. Beltz*
Drilling Fluid *None*

Development Technique (s) / Dates
Bailer 12/4/93

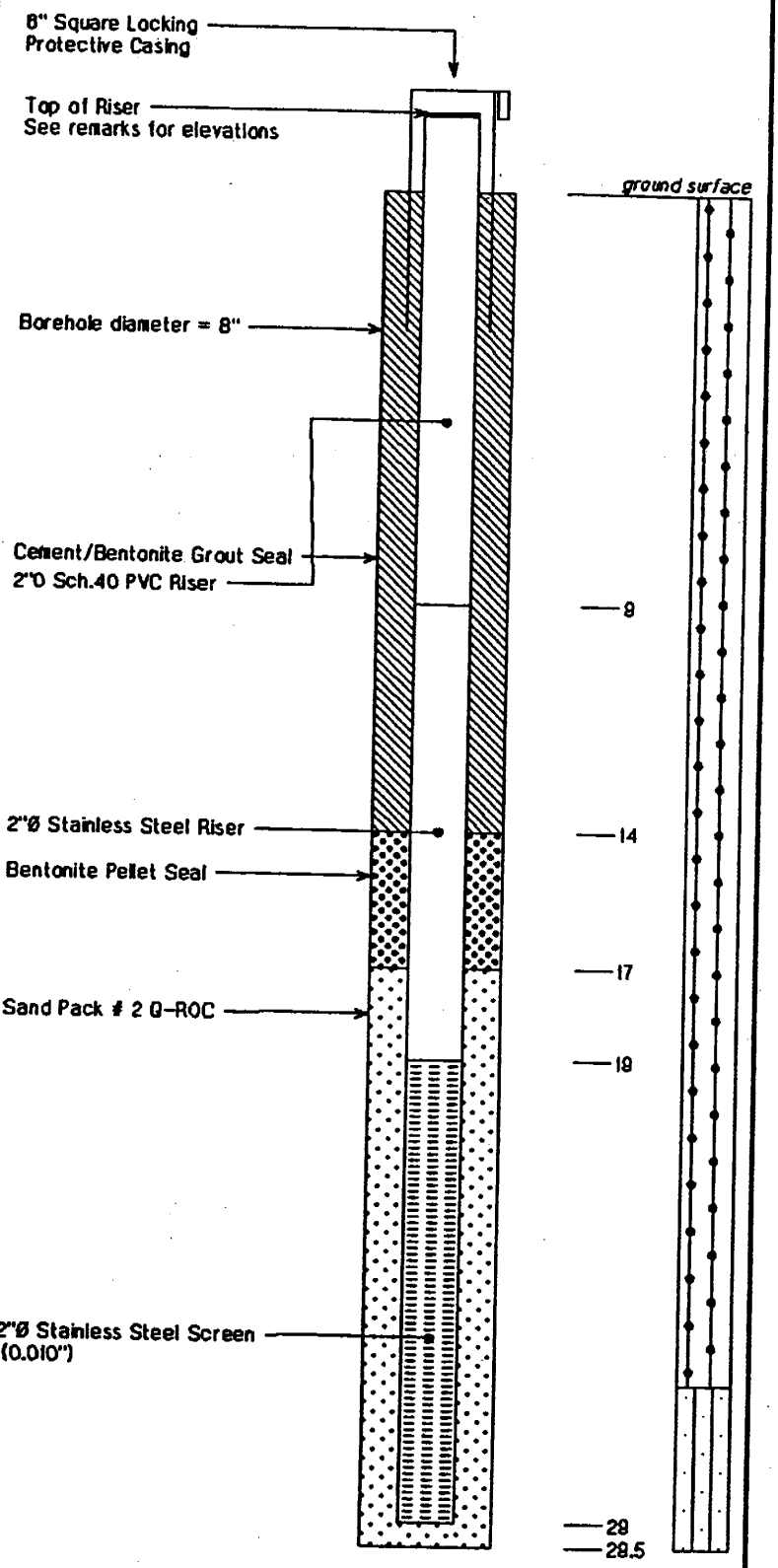
Fluid Loss During Drilling (gals) _____
Water Removed During Development (gals)
21.4 - 12/4/92

Static Depth to Water Date *12/4/92*
Static Depth to Water (feet) *13.22 (Top of riser)*

Well Purpose *Groundwater monitoring*

Remarks *Not to Scale*
Top of riser elevation: 588.26
Top of protective casing elevation: 588.50

Prepared By *J. Paul*
Date Prepared *11/6/92*



Dames & Moore

BETHLEHEM STEEL CORPORATION PHASE IIA INVESTIGATION
GROUND WATER SAMPLING RECORD - PROJECT NO BD-92-093

Well # N-01B

WELL VOLUME CALCULATIONS:

Constants for {V=r²h x 7.48 gal/ft} 2" Well = 0.1632 gal/linear foot

Well Diameter (in): 2" 1 Well Vol = [18.76 ft] x [0.1632 gal/linearar ft] = 3.06 gal.

Well Depth *(ft): 31.98

Water Level *(ft): 13.22

Height of Water Column(ft): 18.76
(*Reference Point-Top of Well Riser Pipe)

WELL DEVELOPMENT

Date: 12/4/92 Time Start: 1146

Evacuation Method: PVC Bailer/Polyethyline Rope

GAL.EVAC./ WELL VOL.	pH (SU)	TEMP (°C)	SPECIFIC CONDUC. (~~µS/CM~~) µS/cm	TURBID (NTU)	PURGE WATER CHARATERISTICS
Initial	11.44	12.9	950	–	Ext. Turbid, minor sheen Black In Color, Coke odor
9.2 (3wv)	11.51	12.9	990	–	Same
12.2 (4wv)	11.59	12.8	900	–	Same
15.3 (5wv)	11.63	12.8	960	–	Same
18.4 (6wv)	11.62	12.6	950	–	Same
19.9 (6.5wv)	11.62	12.8	1050	–	Same
21.4 (7wv)	11.62	12.7	1000	–	Same

Comments: (Time Complete 1228) Removed an extra well volume to ensure pH trend was broken

Signature: [signature]

MWN-02

DATE
STARTED 9-4-90
FINISHED 9-10-90
SHEET 1 OF 2

EMPIRE SOILS INVESTIGATIONS INC.

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-2
SURF. ELEV. 599.8
G. W. DEPTH See Note

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH FEET	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6 6/12 12/18 N	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
0					Dark brown f-c SAND, some Silt, tr. gravel, tr. slag, tr. organics, tr. cinders (moist, FILL)	Augered from 0.0- to 38.0' with 6-1/4" Hollow Stem Augers.
5					Becomes black f-c SAND-sized cinders, some f-c Gravel, little Silt, tr. slag (moist, FILL)	
10						Drillers note the presence of slag fill at 14.0'. Very difficult drilling from 14.0' to 15.0'.
15					Black f-c SAND-sized CINDERS, some f-c Gravel, little Silt, tr. slag, (moist, FILL)	
20						
25						Free Standing Water measured at approx. 31.0' during drilling on 9-4-90.
30						
35	S	1	100/.2	BG	Auger Refusal	
40					Obstruction at 38.0'	

N = No blows to drive 2 " spoon 12 " with 140 lb pin wt. falling 30 " per blow.

C = No blows to drive _____ " casing _____ " with _____ lb. weight falling _____ " per blow.

CLASSIFICATION Visual by Geologist

METHOD OF INVESTIGATION ASTM D-1586 USING 4-1/4" HOLLOW STEM AUGERS

DATE
STARTED 10-15-90
FINISHED 10-16-90
SHEET 2 OF 2

EMPIRE SOILS INVESTIGATIONS INC.

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-2
SURF. ELEV. 599.8
G. W. DEPTH See Notes

PROJECT Bethelehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH FEET	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6 6/12 12/18 N	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
40						
45						10-15-90 Air Rotary from 0' to 37'.
		2	15 93 100/ 3REF	BG	Brown m-c SAND, some f-m Gravel, tr. silt, tr. slag, tr. cinders (wet, FILL)	REF=Split Spoon Refusal
50						Slag/Steel button encountered at approx. 41.0' to 45.0'
						Note: 3.0' of running sands in augers at 48.0'.
55						
		3	3 5 10	BG	Gray SILTY CLAY, little f-m Sand, tr. gravel, occasional silt laminations (moist, medium)	
60			5 6			
		ST-1				WOH=Weight of hammer.
		4	WOH 2 6	BG		
65			4 5			
						Shelby Tube pushed from 62'-64' REC=100%
70						
					Auger Refusal at 73.0'	
					Boring Complete at 73.0'.	Drillers note glacial till at about 68.0'.
75					Refer to Monitoring Well Completion Reports for Well Installation Details.	PID=Organic vapor measurements taken with a photoionization detector (PID). Measurements recorded in parts per million (ppm).
80						

N = No blows to drive 2 " spoon 12 " with 140 lb. pin wt. falling 30 "per blow.

C = No blows to drive _____ " casing _____ " with _____ lb. weight falling _____ "per blow.

CLASSIFICATION Visual by Geologist

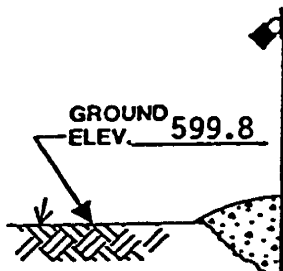
METHOD OF INVESTIGATION ASTM D-1586 USING 4-1/4" HOLLOW STEM AUGERS

EMPIRE
SOILS INVESTIGATIONS INC.

MONITORING WELL COMPLETION RECORD

PROJECT : Bethlehem Steel WELL No. MWN-2
PROJECT No. : BTA-90-133 LOCATION : Lackawanna, N.Y.
INSTALLATION DATE(S) : 9/10/90
FIELD GEOLOGIST : D.R. Steiner

DRILLER : J. Lamm
DRILLING METHOD : ASTM-D-1586
DEVELOPMENT METHOD : Bailer/Handpump



ELEVATION / TOP OF SURFACE CASING : 603.00
STICK-UP / TOP OF SURFACE CASING : 3.2'
ELEVATION / TOP OF RISER PIPE : 602.21
STICK-UP / TOP OF RISER PIPE : 2.41'
TYPE OF SURFACE SEAL : Sakrete
I.D. OF SURFACE CASING : 8-Inch Square
TYPE OF SURFACE CASING : Corrosion-resistant steel
TYPE OF BACKFILL : Cement/Bentonite grout
BOREHOLE DIAMETER : Nominal 12-1/4-inches
I.D. OF RISER PIPE : 4.0-inches
TYPE OF RISER PIPE : Polyvinyl Chloride (PVC), Schedule 40, threaded
DEPTH OF SEAL : 17.0'
TYPE OF SEAL : Bentonite Pellets Bentonite Slurry
DEPTH OF SAND PACK : 20.3'
DEPTH TOP OF SCREEN : 21.5'
TYPE OF SCREEN : Type 316-Stainless Steel
SLOT SIZE x LENGTH : 0.010" slot x 10'
I.D. OF SCREEN : 4.0-inches
TYPE OF SAND PACK : #2-QRok Sand
DEPTH BOTTOM OF SCREEN : 31.5'
DEPTH BOTTOM OF SAND PACK : 34.5'
*TYPE OF BACKFILL BELOW OBSERVATION WELL : Natural material & #2 QRok Sand 48.0'-34.5'
ELEVATION / DEPTH OF HOLE : 526.8/ 73.0'

Stainless Stel Stabilizers 15-feet.

*Test boring Tremie grouted from 73.0' to 48.0'.

DAMES & MOORE
A PROFESSIONAL LIMITED PARTNERSHIP

WELL DEVELOPMENT RECORD

WELL No. MW-N2

PROJECT : BSC - Phase 1 Investigation PROJECT No. : BTA-90-133 SITE LOCATION : Lackawanna, New York

CONTRATOR : Empire Soils Investigations METHOD(S) OF DEVELOPMENT : Purged with BK Pump

FIELD INSPECTOR(S) : Sharon McLellan, Robert Rae

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
11/27/90	Sunny, 90°-60°F, moderate Winds	2:00	Inital = 28.41						Initial water level prior to development
				12.7	15.7	2.98	70	Black, very turbid + silty, slight organic odor	5 gallons removed
				12.6	15.4	2.63	82		10 gallons removed Well dry
				12.7	15.6	2.67	100		15 gallons removed Well dry
				12.7	15.6	2.62	100		19 gallons removed Well dry
				12.6	15.6	2.61	100		23 gallons removed
		3:20	Final = 29.39						Final water level after development

Note: 3.8 = one gallon

MWN-02B

LOG OF BORING

PROJECT: Bethlehem Steel Corp., RFI	PROJECT NUMBER: 00120-158-152	SHEET NO.: 1 of 2	HOLE NUMBER: MW-2B	
SITE: Lackawanna, NY	COORDINATES: S37+65.49 / W35+86.21	LOGGED BY: B. McLoughlin	CHECKED BY: KDI 3/11/93	
BEGUN: 11/2/92	COMPLETED: 11/2/92	DRILLER: Empire Soils/D. Maddex	DRILLING EQUIPMENT: Failing F-10, 8-1/4" HS Augers	BORING DIA.: 10"
TOTAL DEPTH: 58.00				
CORE RECOVERY (FT./%): /	CORE BOXES:	SAMPLES: 2	CASING STICKUP: 2.61	GROUND ELEV.: 600.1 Plant
DEPTH/*ELEV.* GROUND WATER: ▽ 26.08 / *574.0*; ▼ 26.08 / *574.0*	DEPTH/*ELEV.* TOP OF ROCK: 73.0 / *527.1*			
SAMPLE TYPE: Split Spoon	CASING DIA/LENGTH: 6"SQ/4	NOTES: Units =Feet HNu bkg=0.3ppm		

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
			BKG	*599.1* 1.0				GRAY TO LIGHT GRAY FINE TO COARSE GRAVEL AND SILTY SAND (moist) (dense) [SLAG FILL]	
					5				Driller noted very dense slag at 8', augers grinding hard.
			BKG		10			LIGHT GRAY COARSE GRAVEL AND SILTY SAND (moist) (dense)[SLAG FILL]	Trace of wire and cable in cuttings.
					15				Augers grind steady medium hard to hard in slag from 14 to 20'.
			BKG		20			LIGHT GRAY COARSE GRAVEL AND SILTY COARSE SAND (moist) (dense)[SLAG FILL]	Augers grinding hard at 20 to 22.5'. Augers continue to grind very hard.
					25		▼		Cuttings show tan to reddish brown fire bricks.
			BKG					LIGHT GRAY COARSE GRAVEL AND SILTY COARSE SAND (moist) (dense)[SLAG FILL]	Cuttings show tan to reddish brown fire bricks.
					30				
					35			LIGHT GRAY COARSE GRAVEL AND SILTY COARSE SAND (moist) (dense)[SLAG FILL]	

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LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	2 of 2	MWN-2B

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
					40			LIGHT GRAY COARSE GRAVEL AND SILTY COARSE SAND (moist)(dense)[SLAG FILL]	Driller noted grinding very hard at 38'. Augers stop grinding very hard at 39.5', fire bricks continue in cuttings. Pieces of copper scrap in cuttings.
				554.6 45.5	45			DARK GRAY FINE TO COARSE SILTY SAND with trace of washed fine gravel (wet)[SAND]	Drilling easy at 45.5'.
1	24/23	24	BKG						
					50			DARK GRAY FINE TO COARSE SILTY SAND with trace of washed fine gravel (wet)[SAND]	
2	24/24	39	BKG		55				Driller noted change at 55 to 56.5'.
				543.6 56.5				LIGHT GRAY SILTY CLAY (moist)[FAT CLAY]	
				542.1 58.0				Boring completed at 58 ft. on 11/2/92 at 12:10pm.	
					60				
					65				
					70				
					75				

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WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	MWN-2B

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	S37+65.49 / W35+86.21	600.1 Plant ☒Surveyed ☐Estimated	2.61

Soil Boring Cross-Reference *MWN-2B*
Town and City *Lackawanna*
County and State *Erie, NY*

Installation Date (s) *11/2/92*

Drilling Method *Failing F-10, 8-1/4" HS Augers*
Drilling Contractor *Empire Soils/D. Maddex*
Drilling Fluid *None*

Development Technique (s) / Dates
Bailer 11/19/92

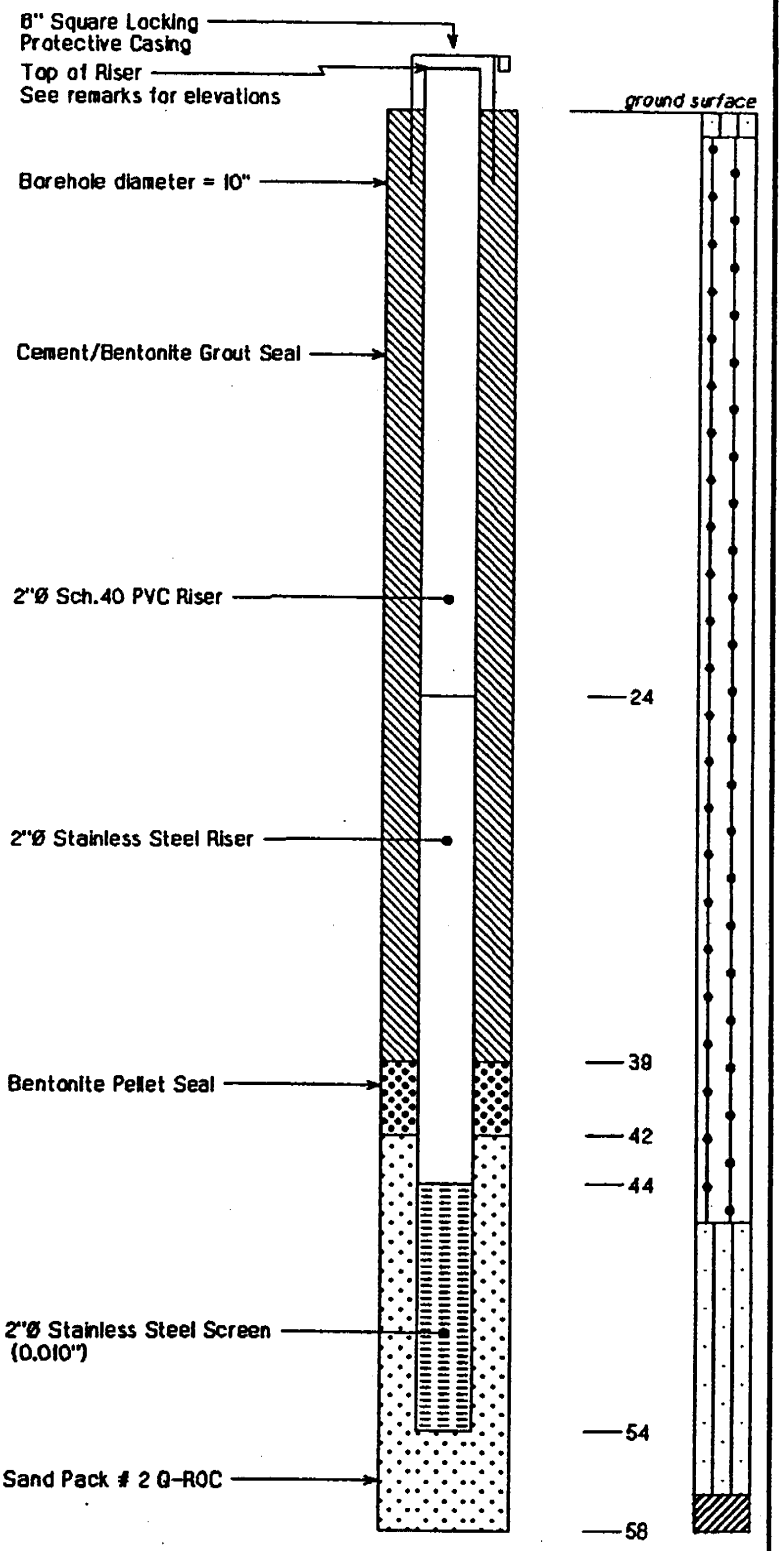
Fluid Loss During Drilling (gals) _____
Water Removed During Development (gals)
25 - 11/19/92

Static Depth to Water Date *11/19/92*
Static Depth to Water (feet) *28.49 (Top of riser)*

Well Purpose *Groundwater monitoring*

Remarks *Not to Scale*
Top of riser elevation: 602.51
Top of protective casing elevation: 602.71

Prepared By *J. Paul*
Date Prepared *11/6/92*



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BETHLEHEM STEEL CORPORATION PHASE IIA INVESTIGATION
GROUND WATER SAMPLING RECORD - PROJECT NO BD-92-093

Well # N-2B

WELL VOLUME CALCULATIONS:

Constants for ($V = r^2h \times 7.48$ gal/ft) 2" Well = 0.1632 gal/linear foot

Well Diameter (in): 2" 1 Well Vol = [27.93' ft] x [0.1632 gal/linearar ft] = 4.56 gal.

Well Depth *(ft): 56.42'

Water Level *(ft): 28.49'

Height of Water Column(ft): 27.93'
(*Reference Point-Top of Well Riser Pipe)

WELL DEVELOPMENT

Date: 11·19·92 Time Start: 0910

Evacuation Method: PVC Bailer/Polyethyline Rope

GAL.EVAC./ WELL VOL.	pH (SU)	TEMP (°C)	SPECIFIC CONDUC. (MS/CM)	TURBID (NTU)	PURGE WATER CHARATERISTICS
Initial	11.60	13.8	1.158	>100	Turbid- Brown Color
2.0 gals	—	—	—	Same	Becomes V. Turbid-BlK
10 gals (2wv)	—	—	—	Same	Same
15 gals (3wv) ~~20 gals~~	11.77	13.7	1.266	Same	Ext. Turbid
20 gals (4wv)	11.66	13.7	1.220	Same	Same
25 gals (5wv)	11.76	13.9	1.276	Same	Same

Comments: (Time Complete 1012) Development Complete - Measurements Stable And Developed For 1 Hour. Slight Petroleum Odor Was Present During Purging.

Signature: [signature]

MWN-02D

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-186-152	1 of 3	MWN-02D

SITE	COORDINATES	LOGGED BY	CHECKED BY
Lackawanna, NY	S37+81.81 / W36+00.08	J. Gabreski	E. Fujita

BEGUN	COMPLETED	DRILLER	DRILLING EQUIPMENT	BORING DIA.	TOTAL DEPTH
7/20/95	8/14/95	SJB Svs Inc./D. Maddex	CME 85, 8-1/4" HS Augers	11.5" to 4"	80.5

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	CASING STICKUP	GROUND ELEV.	DEPTH/*ELEV.* GROUND WATER	DEPTH/*ELEV.* TOP OF ROCK
10.0 / 88.5	1	36	2.34	600.84 Plant	▽ 29.0 / *571.8* ▽ 27.87 / *573.0*	70.5 / *530.3*

SAMPLE TYPE	CASING DIA/LENGTH	NOTES
2" x 2' Standard Split Spoon	8"SQ/4	Units =Feet HNu bkg=0.2ppmv

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
1	24/24	29	BKG		BROWN-BLACK SILTY SANDY EARTHEN LOAM with minor coarse gravel (dry) (loose) trace of organic and oxidized metal debris	Augers grind slow thru dense obstruction; steel
2	24/22	29	BKG		BROWN SILTY SANDY LOAM with gray-brown gravel and trace of clay [SLAG FILL] (dry) (loose) minor metal debris	
3	24/20	19	BKG		BROWN SILTY SANDY LOAM with gray-brown gravel and trace of clay [SLAG FILL] (dry) (loose) minor metal debris	
4	24/24	27	BKG		DARK BROWN COARSE GRAVEL with silty medium sand (dry) (medium dense) [SLAG FILL]	Augers advance easily
5	24/14	16	BKG		DARK BROWN FINE TO COARSE GRAVEL with brown silty sand (moist) (medium dense) [SLAG FILL]	
6	24/24	18	BKG		DARK BROWN FINE TO COARSE GRAVEL with brown-gray silty medium sand (moist) (medium dense) [SLAG FILL]	
7	24/18	88	BKG		DARK BROWN FINE TO COARSE GRAVEL with brown-gray silty medium sand (moist) (medium dense) [SLAG FILL]	Augers advance easily
8	24/12	14	BKG		DARK BROWN-BLACK FINE TO COARSE GRAVEL with gray medium sand (moist) (medium dense) [SLAG FILL] trace fire brick debris	
9	24/24	21	BKG		DARK BROWN FINE TO COARSE GRAVEL with brown-gray medium sand (moist) (medium dense) [SLAG FILL]	
10	24/18	19	BKG		DARK BROWN-BLACK FINE TO COARSE GRAVEL with gray medium sand (moist) (medium dense) [SLAG FILL]	Augers grind medium hard
11	24/12	26	4.0		DARK BROWN-BLACK FINE TO COARSE GRAVEL with gray medium sand (moist) (medium dense) [SLAG FILL]	
12	24/3	12	3.7		BROWN FINE TO COARSE GRAVEL with brown silty medium sand (moist) (medium dense) [SLAG FILL]	Poor SS recovery SS shoe plugged w/wood debris
13	24/18	50	7.0		BROWN FINE TO COARSE GRAVEL with brown medium sand, trace silt, clay (moist) (medium dense) [SLAG FILL]	
14	24/24	100/.4	1.5		BROWN FINE TO COARSE GRAVEL with gray-brown medium sand (moist) (medium dense) [SLAG FILL]	
15	24/18	59	2.5		GRAY FINE TO COARSE GRAVEL with silty gray medium sand (wet) (medium dense) [SLAG FILL]	Estimate top groundwater at 29.0'
16	24/20	23	2.3		GRAY FINE TO COARSE GRAVEL with silty gray medium sand (wet) (medium dense) [SLAG FILL]	Augers advance slow; > grinding/chattering
17	24/18	60	BKG		GRAY FINE TO COARSE GRAVEL with silty gray medium sand, yellow-orange fire brick and trace of wood debris (wet) (dense) [SLAG FILL]	

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-186-152	2 of 3	MWN-02D

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DEPTH	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
18	24/24	97	3.0			GRAY FINE TO COARSE GRAVEL with silty gray medium sand, trace of wood organic matter (wet) (dense) [SLAG FILL]	
19	24/18	100/.1	BKG			GRAY FINE TO COARSE GRAVEL with silty gray medium sand, (wet) (dense) [SLAG FILL]	
20	24/4	100/.1	BKG			GRAY FINE TO COARSE GRAVEL with silty gray medium Sand, (wet) (dense) [SLAG FILL]	Driller notes 1.5 feet of running sands in augers
21	24/8	100/.2	8.0		40	GRAY FINE TO COARSE GRAVEL with gray silty medium Sand (wet) (dense) [SLAG FILL]	
22	24/8	100/.4	3.5			GRAY FINE TO COARSE GRAVEL with gray silty medium Sand (wet) (dense) [SLAG FILL]	2.0 feet of running sands in augers
23	24/12	100/.5	2.4		45	GRAY FINE TO COARSE GRAVEL gradational to dark gray silty medium SAND trace Clay (wet) (medium dense) [SLAG FILL]	Top of Sand; native sediments approx. 45.0' below grade
24	24/0	91	NA			No Recovery	
25	24/20	18	BKG	552.8 48.0		DARK GRAY SILTY MEDIUM SAND (wet) (loose)	Augers grind very hard due to large diameter Gravel pieces (slag fill cavings)
26	24/22	4	1.9		50	GRAY-BROWN SILTY CLAY with gray medium sand (wet) (loose)	
27	24/24	31	3.8			GRAY FINE TO MEDIUM SILTY SAND some fine to coarse gravel (wet) (medium dense)	
28	24/22	47	15.0		55	GRAY FINE TO MEDIUM SILTY SAND with trace of brown clay (wet) (medium dense)	
29	24/22	53	3.7			GRAY FINE TO MEDIUM SILTY SAND with trace of brown clay (wet) (medium dense)	
30	24/24	3	2.2	542.8 58.0		GRAY-BROWN SILTY CLAY with medium Sand (moist) (soft)	
31	24/20	3	BKG		60	GRAY-BROWN SILTY SANDY CLAY (moist) (soft)	
32	24/20	4	BKG			GRAY SILTY CLAY (moist) (soft)	Driller sets 8" dia. steel casing to depth of 62.0' @ 4:00 pm. on 7/21/85
33	24/24	8	BKG		65	GRAY SILTY CLAY (moist) (stiff)	Begin rotary wash drilling with 4" dia. temporary steel casing thru cement plug at 61.0' in bottom of 8"casing at 1:15pm on 8/04/85.
34	24/20	7	BKG	533.8 67.0		GRAY SILTY CLAY (moist) (stiff) GRADES TO TILL with subrounded-rounded gravel at 67.0 feet [TILL]	
35	24/18	9	BKG			GRAY SANDY SILTY TILL (moist) (stiff)	Good returns on drill water
36	7/5	100/.1	BKG	530.3 70.5	70	GREY SANDY SILT [TILL] (moist) (hard) Refusal top of bedrock	Top LIMESTONE Bedrock at 70.5'
						RUN #1 - 70.5'-74.0' GRAY LIMESTONE with trace of vugs, fossil corals, brachiopods etc., partly weathered, REC=85%, RQD= 54% horizontal bedding fractures	Run #1 - No drill water returns to surface
					75		

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LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-186-152	3 of 3	MWN-02D

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
				525.3 75.5					
								RUN #2 – 74.0'-80.5' GRAY LIMESTONE fossilized, partly weathered, thick bedded, gradational to DARK GRAY SHALE at 75.5', thinly laminated, few vertical fractures btwn 76'-78', REC=92%, RQD=21%	Run #2 – No drill water returns to surface; total 800 gallons lost to formation.
				520.3 80.5	80			Boring completed – at 80.5 feet on 8/14/95 at 1500.	Note: Free standing water not recorded at boring completion due to use of drilling water.
					85				
					90				
					95				
					100				
					105				
					110				
					115				

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WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-186-152	MWN-02D

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	S37+81.81 / W36+00.08	600.84 Plant ☒Surveyed ☐Estimated	2.34

Soil Boring Cross-Reference: MWN-02D
Town and City: Lackawanna, Lackawanna
County and State: Erie, NY

Installation Date (s): 7/20/95, 8/04/95

Drilling Method: CME 85, 8-1/4" HS Augers
Drilling Contractor: SJB Svs Inc./D. Maddex
Drilling Fluid: Water

Development Technique (s) / Dates
Pump

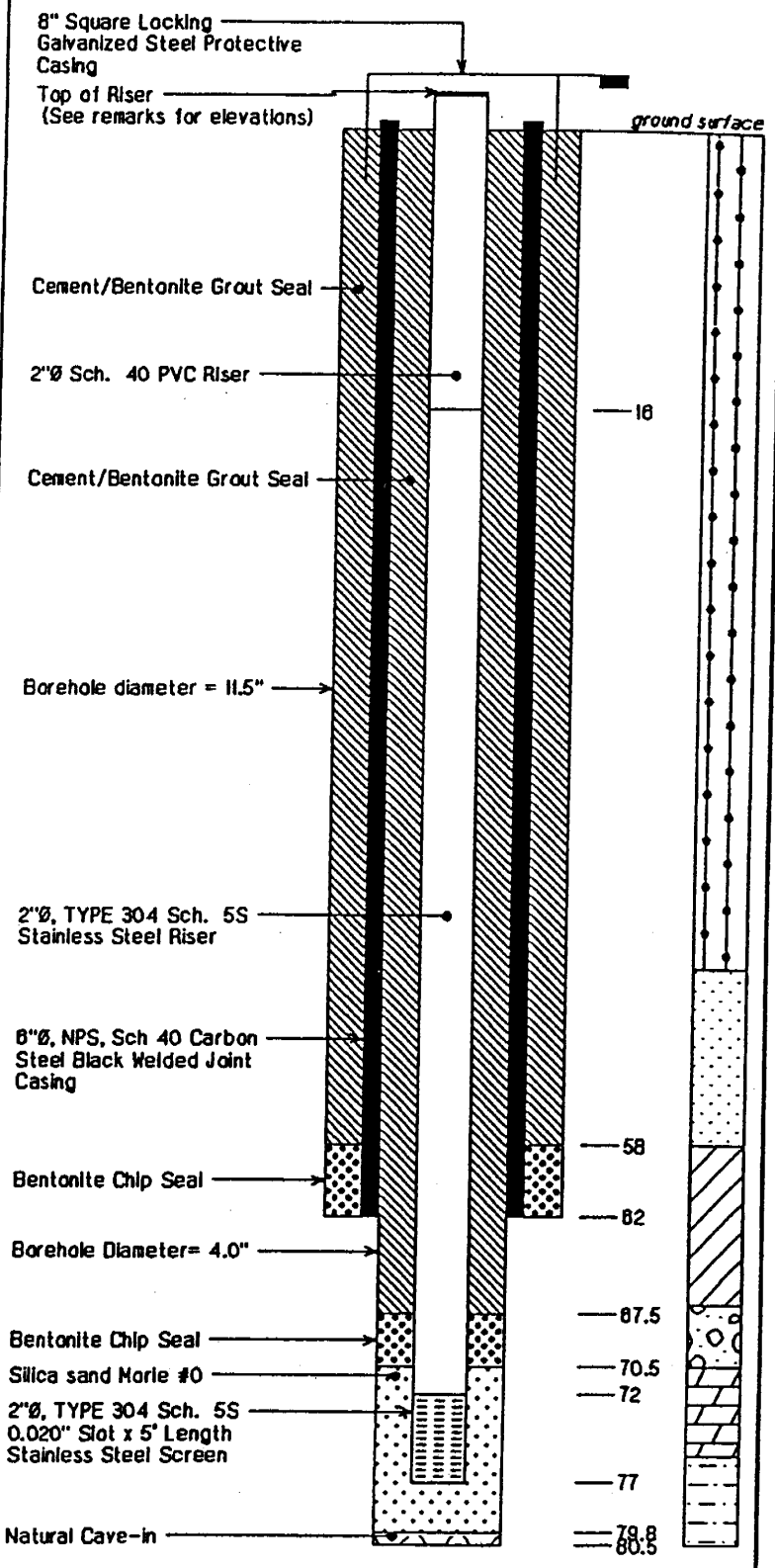
Fluid Loss During Drilling (gals): 800
Water Removed During Development (gals)
900 - 8/17/95

Static Depth to Water Date: 9/19/95
Static Depth to Water (feet): 30.17 TOR

Well Purpose: Groundwater elevations

Remarks: Not to Scale
Top of riser elevation: 602.95
Top of casing elevation: 603.18

Prepared By: J. Gabreski
Date Prepared: 08/31/95



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72.64
26
79 90

Pg 1 of 2

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WELL DEVELOPMENT RECORD

WELL No. MWN-02D

PROJECT : BSC PHASE III PROJECT No. : 00120-186-152 SITE LOCATION : LACKAWANNA

CONTRATOR : SJB SERVICES METHOD(S) OF DEVELOPMENT : 2" Grundfos Pump

FIELD INSPECTOR(S) : FRANK MINNOLERA

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
8/16/95	Sunny Mild 85°	0920	29.61 T.C.W 7790 Bow	Start	Pump 0935 (5 gpm approx)				50.27' water column (50.27)(.17) = 8.54 1 wv = 8.5 gallons
		0955	100 Gallons (1.5 gpm)	6.63	70.5	855	13.01 ~~855~~	V.S. Turbid to Clear no Odors	
		1021	200 Gallons (+/- 5 gpm)	6.92	70.2	845	7.45	Clear very Slight H_2S odor	
		1047	300 Gallons	7.00	71.6	855	3.53	Slight H_2S odor	
		1110	400 Gallons	7.25	72.7	839	2.49		
		1130	500 Gallons	7.01	72.9	855	2.41		
		1150	600 Gallons	6.95	73.1	863	2.24		
		1220	700 Gallons	7.01	72.9	868	2.64		
		1240	800 Gallons	7.09	72.6	840	N/A		Batteries Dead on Turbidity Meter 1230 HCS

ATTACHMEN

DAMES & MOORE

WELL DEVELOPMENT RECORD

WELL No. MW-02D

PROJECT : BSC PHASE III PROJECT No. : 00120-186.152 SITE LOCATION : LACKAWANNA, NY

CONTRATOR : SJB SERVICES METHOD(S) OF DEVELOPMENT : 2" Grundfos Pump

FIELD INSPECTOR(S) : FRANK MINNOCERA

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
4/18/95	Sunny Hot 85°	1300	900 Gallons	7.05	71.8	861	N/A		
			Pumping Stopped @ 900 Gallons 1300 Hrs						

ATTACHMEN

MWN-03

DATE
STARTED 9-4-90
FINISHED 9-6-90
SHEET 1 OF 3

EMPIRE SOILS INVESTIGATIONS INC

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-3
SURF. ELEV. 610.9
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6 6/12 12/18 N	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
0					Brown-gray f-c GRAVEL (SLAG), and f-c SAND, tr. silt (moist, FILL)	PID=Organic vapor measurements taken with a photoionization detector (PID). Measurements recorded in parts per million (ppm).
					Becomes Gray	
5						
10						Driller notes obstructions at 9.0', difficult drilling.
15						
20						
25						Soil becomes cohesive (moist-wet) at approx. 27.0'.
30		1	72 100/3	REF	BG	Gray-white f-c GRAVEL (SLAG) and f-c Sand, tr. silt (moist-wet, FILL)
						REF=Split Spoon Refusal
35						At approx. 33.0' driller notes obstruction.
						2" x 1/4" thick piece of steel/ore/carbon came up with auger spoil.
40						Note: Water at approx. 40.0'

N = No blows to drive 2 " spoon 12 " with 140 lb. pin wt. falling 30 "per blow. CLASSIFICATION Visual by Geologist

C = No blows to drive _____ " casing _____ " with _____ lb. weight falling _____ "per blow.

METHOD OF INVESTIGATION ASTM D-1586 USING 6-1/4" HOLLOW STEM AUGERS

DATE
STARTED 9-4-90
FINISHED 9-6-90
SHEET 2 OF 3

EMPIRE SOILS INVESTIGATIONS INC

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-3
SURF. ELEV. 610.9
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
40									At approx. 40.0' Driller notes apparent change in augering possibly sand.
45		2	32	61	100/.5	REF	BG	Black-gray f-c SAND (Cinders & Coke), some f-c Gravel (slag), little Silt (wet, FILL)	
50									
55		3	76	78	80	158	BG	Black f-c SAND (Cinders) little f-m Gravel, little Silt (wet,FILL)	
60									Driller notes a change in augering at 60.0'. Possibly encountered clay or sand.
65		4	17	14				Contains little Concrete	
			36	17		50	BG	Gray f-c Silty SAND tr. f.-gravel, tr. clay (wet, very compact)	
70									
75									
80									

N = No blows to drive 2 " spoon 12 " with 140 lb. pin wt. falling 30 "per blow.

C = No blows to drive _____ " casing _____ " with _____ lb. weight falling _____ "per blow.

CLASSIFICATION Visual by Geologist

METHOD OF INVESTIGATION ASTM D-1586 USING 6-1/4" HOLLOW STEM AUGERS

DATE
STARTED 9-4-90
FINISHED 9-6-90
SHEET 3 OF 3

EMPIRE SOILS INVESTIGATIONS INC.

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-3
SURF. ELEV. 610.9
G.W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH FEET	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6 6/12 12/18 N	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
80						Driller estimates encountering clay at approx. 80.0'.
85		5	2 2 4 6	BG	Gray SILTY CLAY, little f-c Sand, tr. gravel (moist-wet, soft) Contains gray silt partings.	
90						
95						Driller notes difficult drilling, possible boulder at 97.5'.
100					Gray LIMESTONE BOULDER from approx. 99.0' to 99.6'. Gray-black f-c SAND, some Clayey Silt, little f-c Gravel, (wet, GLACIAL TILL) TOP OF ROCK 104.7'	Driller notes auger refusal at 99.0'. Free Standing Water measured at 84' on 9-6-90 am. NQ Size Rock Core RUN#1=99.0' to 104' REC=12% RQD=0% Note: Boulder and Glacial Till from 99.0' to 104'.
105					Black SHALE ROCK, medium hard, sound to slightly weathered, thin bedded. Slight petroleum hydrocarbon odor (PID=.8-1.2 ppm)	
110					Boring Complete at 109.7'. Refer to Monitoring Well Completion Reports for Well Installation Details.	Driller notes auger refusal at approx. 104.7' NQ Size Rock Core RUN#2=104.7'-109.7' REC=92%

N = No blows to drive 2 " spoon 12 " with 140 lb pin wt. falling 30 "per blow. CLASSIFICATION Visual by Geologist

C = No blows to drive _____ " casing _____ " with _____ lb. weight falling _____ "per blow.

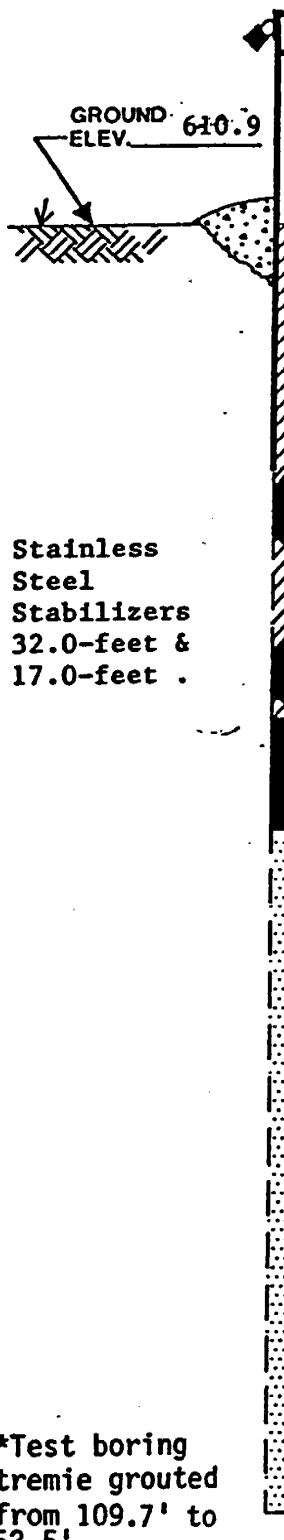
METHOD OF INVESTIGATION ASTM D-1586 USING 6-1/4" HOLLOW STEM AUGERS

EMPIRE
SOILS INVESTIGATIONS INC.

MONITORING WELL COMPLETION RECORD

PROJECT : Bethlehem Steel WELL No. MWN-3
PROJECT No. : BTA-90-133 LOCATION : Lackawanna, N.Y.
INSTALLATION DATE(S) : 9-7-90
FIELD GEOLOGIST : L.A. Zimmerman

DRILLER : J. Lamm
DRILLING METHOD : ASTM-D-1586
DEVELOPMENT METHOD Bailer/Handpump



ELEVATION / TOP OF SURFACE CASING : 613.93
STICK-UP / TOP OF SURFACE CASING : 3.03'
ELEVATION / TOP OF RISER PIPE : 613.20
STICK-UP / TOP OF RISER PIPE : 2.3'
TYPE OF SURFACE SEAL : Sakrete
I.D. OF SURFACE CASING : 8-Inch Square
TYPE OF SURFACE CASING : Corrosion-resistant steel
TYPE OF BACKFILL : Cement/Bentonite grout
BOREHOLE DIAMETER : Nominal 12-1/4-inches
I.D. OF RISER PIPE : 4.0-inches
TYPE OF RISER PIPE : Polyvinyl Chloride (PVC), Schedule 40, threaded
DEPTH OF SEAL : 32'
TYPE OF SEAL : Bentonite Pellets
Bentonite Slurry
DEPTH OF SAND PACK : 35'
DEPTH TOP OF SCREEN : 37'
TYPE OF SCREEN : Type 316-Stainless Steel
SLOT SIZE x LENGTH : 0.010" slot x 10'
I.D. OF SCREEN : 4.0-inches
TYPE OF SAND PACK: #2-ORok Sand
DEPTH BOTTOM OF SCREEN : 47'
DEPTH BOTTOM OF SAND PACK : 52.5'
* TYPE OF BACKFILL BELOW OBSERVATION WELL : Cement/Bentonite Grout tremied into hole.
ELEVATION / DEPTH OF HOLE : 501.2/109.7'

DAMES & MOORE
A PROFESSIONAL LIMITED PARTNERSHIP

WELL DEVELOPMENT RECORD

WELL No. MW-N3

PROJECT : BSC - Phase 1 Investigation PROJECT No. : BTA-90-133 SITE LOCATION : Lackawanna, New York

CONTRATOR : Empire Soils Investigations METHOD(S) OF DEVELOPMENT : Hand Bailed

FIELD INSPECTOR(S) : Sharon McLellan, Robert Rae

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
12/4/90	Overcast, 65°-70° F, 10-25mph WSW winds	10:20	Initial = 38.64						Initial water level prior to development
				12.5	10.8	2.92	85	Blue-tint, turbid, no odors noted	7 gallons removed
				12.4	11.3	2.91	24	water becoming less turbid	14 gallons removed
				12.4	11.4	2.91	24		21 gallons removed
				12.4	11.5	2.95	25		28 gallons removed
				12.4	11.0	2.91	36		35 gallons removed
				12.4	11.0	2.92	37		42 gallons removed
		11:29	Final = 38.53						Final water level after development

Note: 6.8g = one well volume

Lo

MWN-03B

LOG OF BORING

PROJECT: Bethlehem Steel Corp., RFI	PROJECT NUMBER: 00120-158-152	SHEET NO.: 1 of 2	HOLE NUMBER: MWN-3B	
SITE: Lackawanna, NY	COORDINATES: S20+60.53 / W37+08.62	LOGGED BY: K. Ignaszak	CHECKED BY: KDI 3/11/93	
BEGUN: 11/3/92	COMPLETED: 11/5/92	DRILLER: Empire Soils/D. Beltz	DRILLING EQUIPMENT: Failing F-10, 4-1/4" HS Augers	BORING DIA.: 8"
TOTAL DEPTH: 72.00				
CORE RECOVERY (FT./%): /	CORE BOXES:	SAMPLES: 4	CASING STICKUP: 2.62	GROUND ELEV.: 611.2 Plant
DEPTH/*ELEV.* GROUND WATER: ▽ 37.31 / *573.9* ▽ 37.31 / *573.9*	DEPTH/*ELEV.* TOP OF ROCK: 104.7 / *506.5*			
SAMPLE TYPE: Split Spoon	CASING DIA/LENGTH: 6"SG/4	NOTES: Units =Feet HNu bkg=0.3ppm		

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
			BKG		5			LIGHT GRAY MEDIUM SILTY SAND AND FINE TO COARSE GRAVEL (dry) (loose)[SLAG FILL]	Augering becoming difficult.
			BKG		10			LIGHT GRAY MEDIUM SILTY SAND AND FINE TO COARSE GRAVEL (dry) (dense)[SLAG FILL]	
			BKG		15			LIGHT GRAY MEDIUM SILTY SAND AND FINE TO MEDIUM GRAVEL with trace of silt (dry) (dense)[SLAG FILL]	
			BKG		20			grades to more fine to medium gravel	
								grades to moist at 24'	
					25			LIGHT GRAY TO GRAY FINE TO MEDIUM GRAVEL AND MEDIUM SILTY SAND (moist) (dense)[SLAG FILL]	
			BKG		30				
1	24/20	103	BKG		35			GRAY MEDIUM GRAVEL AND MEDIUM SILTY SAND with traces of silt (moist) (dense)[SLAG FILL]	Driller noted easier augering at 33'.

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LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	2 of 2	MWN-3B

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
					40			37	
					45			GRAY MEDIUM GRAVEL WITH MEDIUM SILTY SAND with trace of silt (moist) (dense)[SLAG FILL]	
								47	
					50				Augering very difficult from 51' to 52'
2	7/7	75/1"	BKG	556.2 55.0	55			DARK GRAY MEDIUM SILTY SAND with some silt (moist) (very dense) [SLAG FILL]	Trace of cinders
				553.7 57.5				BROWN SILTY CLAY WITH FINE GRAVELS (moist) (medium stiff)[SILTY CLAY]	Driller noted much easier drilling at 57.5'.
3	24/24	21	BKG	550.2 61.0	60			BROWN SILTY CLAY WITH FINE GREY GRAVELS (moist) (medium stiff)[SILTY CLAY]	Strong petroleum odor.
								DARK GRAY CLAYEY SILT AND FINE SILTY SAND with some organics and trace of fine gravels (moist) (stiff)[PEAT]	
				546.2 65.0	65			DARK GRAY TO GRAY MEDIUM GRAINED SILTY SAND with trace of fine gravels (moist) (medium dense)	
								68	
4	24/24	30	BKG	540.8 70.4	70			GRAY SILTY CLAY with trace of fine sand (moist) (stiff)	
				539.2 72.0				Boring completed at 72 ft. on 11/5/92 at 10:45am.	
					75				

Dames & Moore

WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	MWN-3B

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	S20+60.53 / W37+08.62	611.2 Plant ☒Surveyed ☐Estimated	2.62

Soil Boring Cross-Reference *MWN-3B*
Town and City *Lackawanna*
County and State *Erie, NY*

Installation Date (s) *11/3/92,11/4/92,11/5/92*

Drilling Method *Failing F-10, 4-1/4" HS Augers*
Drilling Contractor *Empire Soils/D. Beltz*
Drilling Fluid *None*

Development Technique (s) / Dates
Bailer 11/19/92

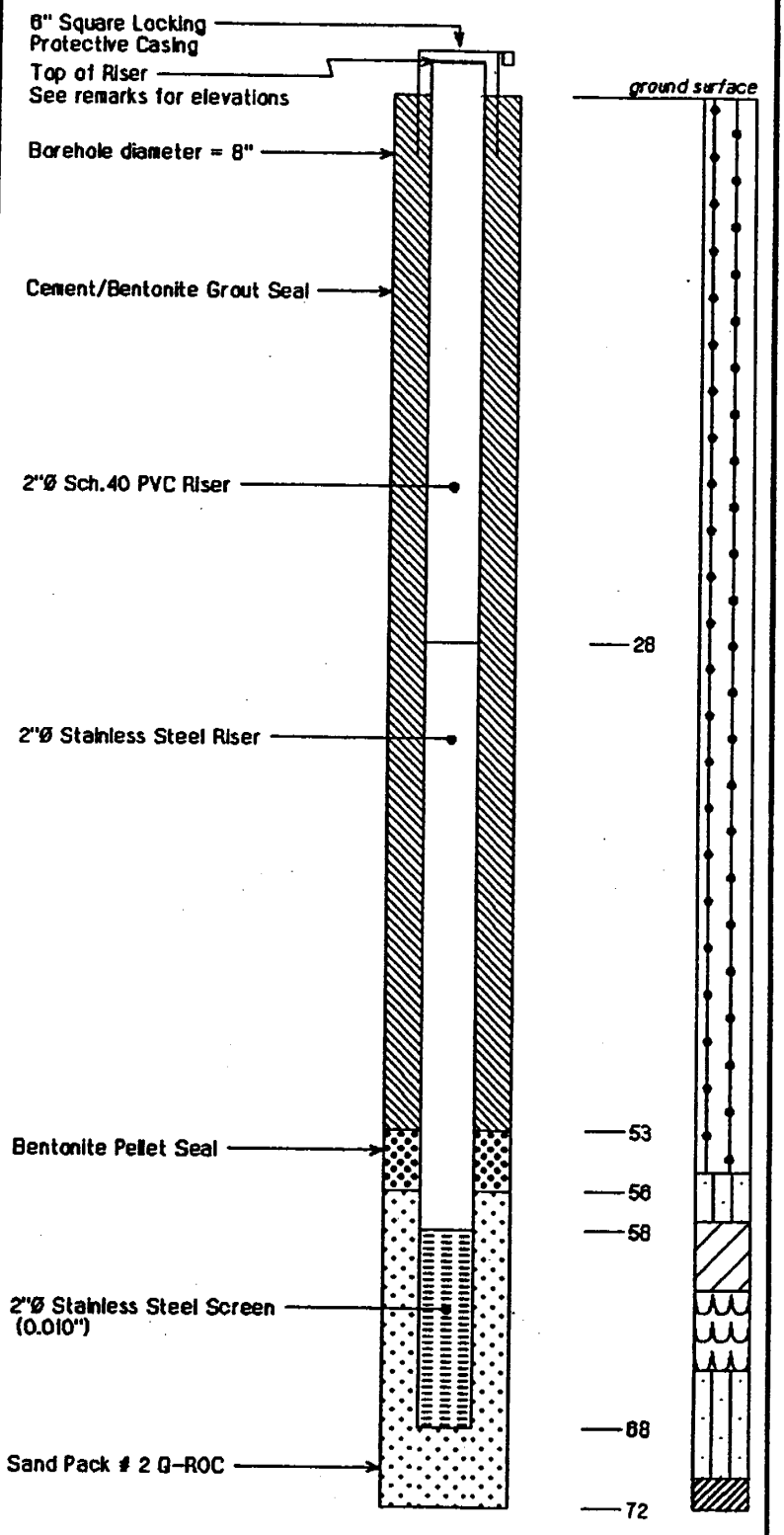
Fluid Loss During Drilling (gals) _____
Water Removed During Development (gals)
30 - 11/19/92

Static Depth to Water Date *11/19/92*
Static Depth to Water (feet) *39.75 (Top of riser)*

Well Purpose *Groundwater monitoring*

Remarks *Not to Scale*
Top of riser elevation: 613.64
Top of protective casing elevation: 613.82

Prepared By *J. Paul*
Date Prepared *11/6/92*



Dames & Moore

BETHLEHEM STEEL CORPORATION PHASE IIA INVESTIGATION
GROUND WATER SAMPLING RECORD - PROJECT NO BD-92-093

Well # N-3B

WELL VOLUME CALCULATIONS:

Constants for (V=r²h x 7.48 gal/ft) 2" Well = 0.1632 gal/linear foot

Well Diameter (in): 2" 1 Well Vol = [28.97' ft] x [0.1632 gal/linear ft] = 4.73 gal.

Well Depth *(ft): 68.72'

Water Level *(ft): 39.75'

Height of Water Column(ft): 28.97'

(*Reference Point-Top of Well Riser Pipe)

WELL DEVELOPMENT

Date: 11-19-92 Time Start: 1030

Evacuation Method: PVC Bailer/Polyethyline Rope

GAL.EVAC./ WELL VOL.	pH (SU)	TEMP (°C)	SPECIFIC CONDUC. (MS/CM)	TURBID (NTU)	PURGE WATER CHARATERISTICS
Initial	9.36	13.2	0.830	>100	Mod. Turbid-Green Tint
2nd Bailer*	—	—	—	Same	Becomes V. Turbid Dark Green Black
10gals (2wv)	—	—	—	Same	Ext. Turbid, Water Level Drops ~3.5' And Staying Steady
12.5gals	—	—	—	—	Dry @ 1100-Let Recover
Back @ N-3B @ 1122 - W.L. 47.12' (~60% Rec); 1135 Continue Developing					
12.5gals	10.21	13.6	0.799	>100	Same
15.0 (3wv)	9.65	14.1	0.904	Same	Same
20.0 (4wv)	9.40	11.2	0.787	Same	Green-Gray Color; Dry @ 1150
Back @ N-3B @ 1258 - W.L. 42.24' (~80% Rec)					

Comments: (Time Complete) pg 1 of 2

Signature: Steph J Bachuk

BETHLEHEM STEEL CORPORATION PHASE IIA INVESTIGATION
GROUND WATER SAMPLING RECORD - PROJECT NO BD-92-093

Well # N-3B

WELL VOLUME CALCULATIONS:

Constants for (V=r²h x 7.48 gal/ft) 2" Well = 0.1632 gal/linear foot

Well Diameter (in): _____ 1 Well Vol = [_____ ft] x [0.1632 gal/linearar ft] = _____ gal.

Well Depth *(ft): _____

Water Level *(ft): _____

Height of Water Column(ft): _____
(*Reference Point-Top of Well Riser Pipe)

WELL DEVELOPMENT

Date: 11·19·92 Time Start: Continued

Evacuation Method: PVC Bailer/Polyethyline Rope

GAL.EVAC./ WELL VOL.	pH (SU)	TEMP (°C)	SPECIFIC CONDUC. (MS/CM)	TURBID (NTU)	PURGE WATER CHARATERISTICS
Initial 20.0 gals	9.40	13.8	0.550	>100	Turbid; Green Grey Color
23.5(4.5wv)	9.37	13.9	0.677	Same	Same
25.0(5wv)	9.37	14.0	0.881	Same	Becomes Very Turbid
28.0(5.5wv)	9.66	13.6	0.667	Same	Same
30.0(6wv)	—	—	—	—	Dry @ 1326

Comments: (Time Complete 1326) Development Complete. Evacuated Well To Dryness 3 Times. pg 2 of 2

Signature: [signature]

MWN-3D

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-173-152	1 of 4	MWN-3D

SITE	COORDINATES	LOGGED BY	CHECKED BY
Lackawanna, NY	S20+76.80 / W37+12.99	E. Fujita	L. Keefe

BEGUN	COMPLETED	DRILLER	DRILLING EQUIPMENT	BORING DIA.	TOTAL DEPTH
5/31/94	7/26/94	Empire Soils/Dave Maddex	Failing F-10, 8-1/4" HS Augers	12" - 4"	121

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	CASING STICKUP	GROUND ELEV.	DEPTH/ELEV. GROUND WATER	DEPTH/ELEV. TOP OF ROCK
17.5 / 99	2	33	2.76	610.76 Plant	▼ 38.30 / 572.5 ▼ 39.87 / 570.9	99.2 / 511.6

SAMPLE TYPE	CASING DIA/LENGTH	NOTES
2" x 2' Standard Split Spoon	8"SO/4	Units =Feet HNu bkg=0.3ppm

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
1	24/12	31	4.8		BROWN FINE GRAINED SILTY SAND GRADES TO GRAY FINE GRADED SILTY SAND with coarse gray sand (dry) (loose to medium dense) [FILL]	
2	3/3	50/.3	.2		GRAY FINE GRADED SILTY SAND with coarse gray sand (dry) (very dense) [FILL]	Augers hard @ 4 ft.
3	0/0	50/0	NA		No recovery	
4	1/1	50/.1	.2		GRAY FINE GRAINED SILTY SAND with gray coarse sand (dry) (very dense) [FILL]	08:00 @ 8' BGS top of rod ground, 09:10 augers slow but penetrating slag, steam from inside augers visible, bit ruined @ 09:55.
5	7/7	50/.1	1.0		8" OF GRAY CUTTINGS, LIGHT GRAY FINE GRAINED SILTY SAND with gray coarse sand (dry) (very dense) [FILL]	Resume 6/01/94 @ 07:45, remove augers and replace bit reset @ 10' BGS.
						Augers very slow to 14', plug sits @ 8" below augers, so first 8" with spoon cuttings. Augers hard @ 16'. 16' @ 10:45, 11:00 no change, replace plug. 11:05 remove plug, use augers only.
						@ Approx. 16.5-17' refusal, pull augers.
						6/02/94, move borehole 5' west. 09:45 resume with 8 1/4" augers hard 2.5' BGS. Augers slow 10-14' BGS. 12:45 @ 18' BGS driller notes possible change @ 33' BGS, reset with 8 1/4" HSA.
						End 6/02/94, 8 1/4" HSA to 30'. Resume 6/03/94 @ 08:00, Auger 34' and resume sampling. End 6/03/94 Augers @ 32'.

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-173-152	2 of 4	MWN-30

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
6	14/4	50/.7	.2					GRAY FINE GRAINED SILTY SAND with gray coarse sand (moist) (loose to very dense) [FILL] (mostly cuttings)	Resume 8/08/94 @ 07:30, Auger to 34' and resume sampling.
7	20/14	34	.2		40			GRAY FINE AND COARSE GRAINED SILTY SAND (wet) (very dense) Tip of Spoon- DARK GREEN-GRAY FINE GRAINED SITLY SAND (moist) (very dense)	Augers hard @ 35', sample at 38'.
8	3/0	50/.3	NA					No recovery	
9	7/6	50/.1	.2		45			DARK GREENISH GRAY FINE SILTY SAND (wet) (dense) [FILL] 1" of gravel in tip of spoon	Need to grind top threads of NW rods. Augering very slow and hard @ 42'. 10:35 44' BGS, water level = 38.30'.
10	1/0	50/.1	NA					No recovery	
11	4/4	50/.4	.2					DARK GREENISH GRAY FINE GRAINED SILTY SAND (wet) (very dense) [FILL] (petrol odor)	Augers very hard at 48'.
12	0/0	50/0	NA		50			No recovery	End 50' BGS on 8/08/94 Resume 07:40 on 8/07/94.
13	0/0	50/0	NA		55			No recovery	Driller notes 6" of cuttings inside augers, 08:40 @ 50' BGS, augers hard, possibly on steel. 09:10 @ 52' BGS- Steel possibly, augers hard and slow.
14	24/20	5	24	550.8 60.0	60			8" OF BLUEGREEN CUTTINGS, DARK GRAY AND BROWN SILTY CLAY (moist) (medium stiff) (alternating colors) (petroleum odor)	Driller notes soft material by drop of rods and spoon for sampling.
15	24/24	39	44	547.8 63.0				DARK GRAY AND BROWN MOTTLED SILTY CLAY (moist) (stiff to very stiff)	
16	24/3	30	0.8		65			DARK GRAY FINE GRAINED SILTY SAND with a trace of coarse brown sand (moist) (medium dense) (petrol odor)	
17	24/24	45	22	542.8 68.0				DARK GRAY FINE GRAINED SILTY SAND with trace of coarse sand (moist) (very dense) GRADES TO BROWN FINE SILTY SAND (wet) (dense)	
18	24/24	18	0.4	540.8 70.0	70			BROWN FINE GRAINED SILTY SAND with gray silty clay (wet) (loose) gray fat clay in tip of spoon	
19	24/18	32	0.3	538.8 72.0				GRAY SILTY CLAY (dry) (stiff), 2" gray fat clay in tip of spoon	
20	24/20	18	0.3	536.8 74.0	75			GRAY SILTY CLAY (dry) (stiff) [FAT CLAY]	Augered to 74' end 8/07/94, Resume 8/08/94

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-173-152	3 of 4	MWN-3D

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
21	24/18	WOR	0.4					GRAY SILTY CLAY (dry) (soft) [FAT CLAY]	
22	24/13	25	0.3					GRAY FINE GRAINED SILTY SAND GRADES TO GRAY SILTY CLAY with fine gravel (moist) (very stiff)	WOR= Weight of Rods
23	24/24	17	0.3					GRAY FAT CLAY with few fine gray round sands (dry) (very stiff) [FAT CLAY]	8/09/94 Start installation of 8" I.D. permanent casing to 78'.
24	24/24	21	0.3		80			GRAY FINE GRAINED SILTY CLAY with fine gray round sand (moist) (very stiff) [FAT CLAY]	7/25/94, set 4" pipe.
25	24/24	8	0.3					GRAY FINE GRAINED SILTY SILTY CLAY with fine gray sand seams (moist) (stiff) [FAT CLAY]	7/26/94, resume drilling using spin bit on casing.
26	24/24	12	0.3		85			GRAY FINE GRAINED SILTY CLAY (moist) (stiff) [FAT CLAY]	
27	24/24	7	0.3					GRAY FINE GRAINED SILTY CLAY (moist) (stiff) [FAT CLAY]	
28	24/24	WOH	0.3					GRAY FINE GRAINED SILTY CLAY with some fine gray sand seams (dry) (very soft) [FAT CLAY]	
29	24/24	WOH	0.3		90			GRAY AND REDDISH GRAY MOTTLED SILTY CLAY (moist) (very soft) [FAT CLAY]	
30	24/24	7	0.3					GRAY AND REDDISH GRAY MOTTLED SILTY CLAY with fine grained gray sand seams (dry) (medium stiff) [FAT CLAY]	
31	24/24	28	0.3		95			GRAY AND REDDISH GRAY MOTTLED SILTY CLAY with fine grained gray sand seams and trace of fine gray round sand (dry) (very stiff) [FAT CLAY]	
32	24/24	48	5.0					GRAY AND REDDISH GRAY MOTTLED SILTY CLAY GRADES TO DARK GRAY SILTY CLAY with dark gray coarse rounded gravel (dry) (stiff) [TILL]	
33	18/0	67/.8	NA	511.6 99.2				No recovery	Driller will spin 4" approximately 2' into rock, driller notes rocks @ Approx. 99.2'.
					100				
									Driller will spin casing to 103' BGS, Approx. 3.5' into bedrock.
					105			RUN #1 103.3'-111.0'	
								DARK GRAY TO GRAY SHALE with few fractures, upper slightly weathered, thin bedded becomes fresh, crystalline layer REC=97%, RQD=81% FAIR	Resume on 7/27/94, 10:00 start coring, 10:30 Driller measures length of first rod down to 111'.
					110				
					115				

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-173-152	4 of 4	MWN-3D

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
				1189.8 121.0	120			RUN #2 111'-121' DARK GRAY THINLY BEDDED SHALE with abundant vertical fractures, fresh Boring completed @ 121 ft on 7/27/84 @ 11:00.	10:40, start boring #2, driller notes petroleum odor, sheen on outflow 11:08 run #2 cored.
					125				
					130				
					135				
					140				
					145				
					150				
					155				

Dames & Moore

WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-173-152	MWN-3D

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	S20+75.80 / W37+12.99	610.76 Plant ☒Surveyed ☐Estimated	2.76

Soil Boring Cross-Reference *MWN-3D*
Town and City *Lackawanna*
County and State *Erie, NY*

Installation Date (s) *6/09/94, 7/27/94, 7/29/94*

Drilling Method *Failing F-10, 8-1/4" HS Augers*
Drilling Contractor *Empire Soils/Dave Maddex*
Drilling Fluid *None*

Development Technique (s) / Dates
PVC Bailer/Polyethylene Rope
Dates: 8/02/94

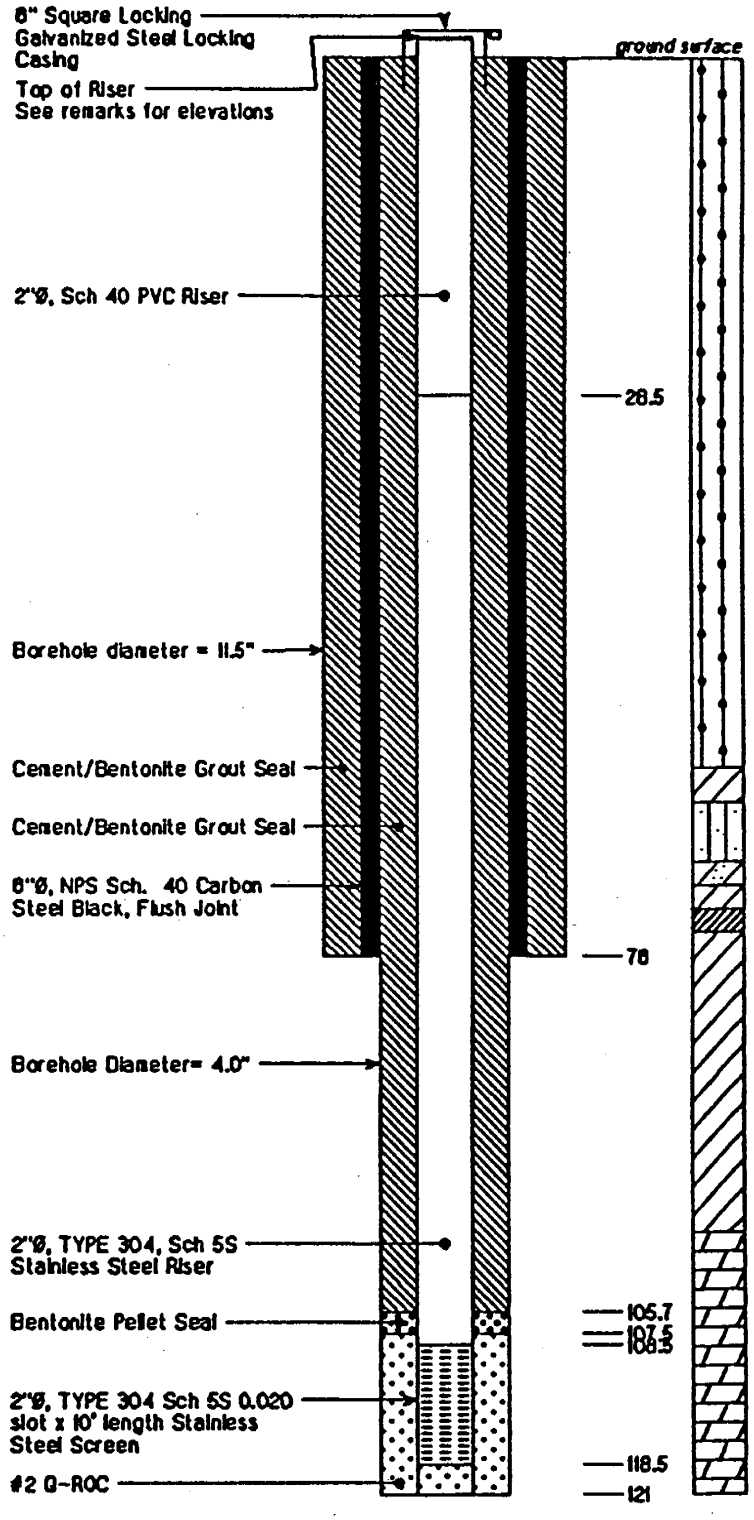
Fluid Loss During Drilling (gals) *None*
Water Removed During Development (gals)
27.0 - 8/02/94

Static Depth to Water Date *8/02/94*
Static Depth to Water (feet) *39.87*

Well Purpose *Groundwater Monitoring*

Remarks *Not to Scale*
Top of Riser Elevation: 613.51
Top of Protective Casing: 613.52

Prepared By *J. Ignaszak*
Date Prepared *06/15/94*



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WELL DEVELOPMENT RECORD

PROJECT : BSC - Well Development PROJECT No. : BD-94-010 WELL No. MWN-3D
CONTRATOR : Huntingdon/Empire Soils METHOD(S) OF DEVELOPMENT : PVC Bailer w/ Poly Rope SITE LOCATION :
FIELD INSPECTOR(S) : Stephen Bochenek / Tracy Duzyer

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
8/2/94	Hazy Humid 80's°F	1220	Initial WL 39.87 BOW 121.10 WC 81.23 WV 13.26	-	-				Background (BG) = 3-4 ppm At Riser = BG
		1233	Initial Purging	12.37	17.4	2.60	>100	Mod Turbid; Gray	
		1317	87.10	6.71	16.4	1.243	>100	Turbid; Brown Gray	1 Well Volume 13.25 Gals.
		1320							Surge w/ PVC Bailer For Approx. 5 min.
		1344	99.01						PID = BG Hear Water Flowing Into Well
		1355	"Dry"					18.0 Gals Purged	Insufficient Water Being Brought Up By Bailer (~1' 2')
		1515	2nd Initial W.L. 96.28 2nd Initial Purging	6.37	16.9	1.082	>100	Turbid; Brown Gray	
		1550	"Dry"	6.48	16.6	1,080	>100	Turbid; Brown Gray	Insufficient Water Being Brought Up By Bailer (~5' 1.0') 27.0 Gals Purged

Monitoring well is developed. Since well went to "dryness" twice during development and the Final Fine Field measurements are within the

MWN-04

DATE
STARTED 9-10-90
FINISHED 9-12-90
SHEET 1 OF 3

EMPIRE SOILS INVESTIGATIONS INC

SUBSURFACE LOG
(BTA-90-133)

HOLE NO. MWN-4
SURF. ELEV. 622.2
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH-ft	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
0								Black f-c SAND and SILT, some f-c Gravel, little Cinders, tr. organics, tr. slag (moist, FILL)	
5								Black to brown f-c SILTY Sand, some Cinders, little Wood, little Gravel (moist, FILL)	Distinct cresote-like odor noted during augering from 2.0 to 20.0'. Wood appears to be buried rail-road ties.
10									PID=Organic vapor measurements taken with a Photoionization Detector (PID). Measurements recorded in parts per million (ppm). BG=Background PID measurements=0.0-0.2 ppm.
15									
20								Black f-c SILTY SAND and CINDERS, some f-c Gravel, tr. clay (moist, FILL)	
25		1	28	34			50-		Auger spoil has a distinct "tar" - like odor and appeared to be some-what co-hesive starting at 30.0'
			10	13		44	62	Contains tr. brick, tr. slag	
30									
35								Contains tr. steel cable	Driller notes auger spoil appearing wet at 38.0'.
40								Black to gray f-c SILTY SAND, little Clay, little f. Gravel (moist-wet, FILL)	

N = No blows to drive 2 " spoon 12 " with 140 lb pin wt. falling 30 "per blow. CLASSIFICATION Visual by Geologist

C = No blows to drive _____ " casing _____ " with _____ lb. weight falling _____ "per blow.

METHOD OF INVESTIGATION ASTM D-1586 USING 4-1/4" HOLLOW STEM AUGERS

DATE
STARTED 9-10-90
FINISHED 9-12-90
SHEET 2 OF 3

EMPIRE SOILS INVESTIGATIONS INC. SUBSURFACE LOG

HOLE NO. MWN-4
SURF. ELEV. 622.2
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
40		2	100	4			BG	Gray SLAG (wet, FILL)	Obstruction noted at 40.4' difficult drilling. *Water noted at 38.0'.
45									
50									
55									
60									Change noted by Driller.
65								Black f-c SILTY SAND, tr. gravel, tr. wood (moist-wet, FILL)	
70		3	4	6			4.2-		
			7	10		13	4.4	Gray SILTY CLAY, little f. Sand, tr. gravel (moist, FILL)	Strong organic decay type odor noted on Sample No. 3.
75									
80									

N = No blows to drive 2 " spoon 12 " with 140 lb pin wt. falling 30 "per blow. CLASSIFICATION Visual by Geologist

C = No blows to drive _____ " casing _____ " with _____ lb. weight falling _____ "per blow

METHOD OF INVESTIGATION ASTM D-1586 USING 4-1/4" HOLLOW STEM AUGERS

DATE
STARTED 9-10-90
FINISHED 9-12-90
SHEET 3 OF 3

EMPIRE SOILS INVESTIGATIONS INC

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MWN-4
SURF. ELEV. 622.2
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna, Facility
Lackawanna, New York

DEPTH FEET	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER (0/6 | 6/12 | 12/18 | N)	PID Sample	SOIL OR ROCK CLASSIFICATION	NOTES
80	ST-1		TUBE (Attempt)		Gray to black f-c SILTY SAND, little Wood, (possible railroad ties), tr. gravel (moist, FILL)	Driller notes a 3.0' blow-up of sand into augers at 75.0'.
85		5	6 | 4 | 5 | 6 | 9	BG	Gray SILT and Clay, little f-c Sand, contains sand partings (moist-wet, medium)	"Running Sand" noted at 80.0'
90	ST-2		TUBE (No Recovery)			ST-1 (Shelby Tube) (89.0'-91.0') No recovery
95						Driller notes difficult drilling conditions at 95.0'-116.0' (possible glacial till)
100						
105						
110						Driller notes difficult drilling possible weathered rock at approx. 116.0'.
115						Free Standing Water at 38.0' at boring completion
120		5	100/0.0	REF	Weathered SHALE Rock Boring completed at 117.1' with Auger & Split spoon refusal.	Refer to Monitoring Well Completion Reports for Well Installation Details.

N = No blows to drive 2 " spoon 12 " with 140 lb. pin wt. falling 30 "per blow. CLASSIFICATION

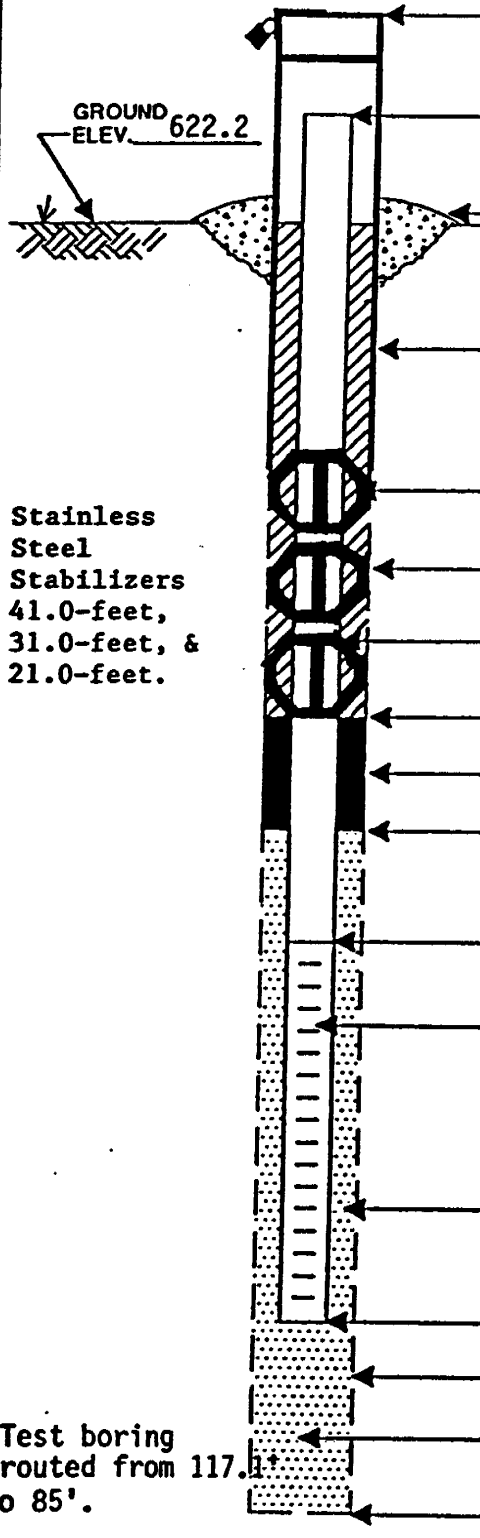
C = No blows to drive " casing " with lb. weight falling "per blow. Visual by Geologist

METHOD OF INVESTIGATION ASTM D-1586 USING 4-1/4" HOLLOW STEM AUGERS

EMPIRE
SOILS INVESTIGATIONS INC.

MONITORING WELL COMPLETION RECORD

PROJECT : Bethlehem Steel WELL No. MWN-4	DRILLER : J. Lamm
PROJECT No. : BTA-90-133 LOCATION : Lackawanna, N.Y.	DRILLING METHOD : ASTM-D-1586
INSTALLATION DATE(S) : 9-14-90, 9-17-90	DEVELOPMENT METHOD Bailer/Handpump
FIELD GEOLOGIST : D.R. Steiner	



ELEVATION / TOP OF SURFACE CASING : 625.43

STICK-UP / TOP OF SURFACE CASING : 3.23'

ELEVATION / TOP OF RISER PIPE : 624.74'

STICK-UP / TOP OF RISER PIPE : 2.54'

TYPE OF SURFACE SEAL : Sakrete

I.D. OF SURFACE CASING : 8-Inch Square

TYPE OF SURFACE CASING : Corrosion-resistant steel

TYPE OF BACKFILL : Cement/Bentonite grout

BOREHOLE DIAMETER : Nominal 12-1/4-inches

I.D. OF RISER PIPE : 4.0-inches

TYPE OF RISER PIPE : Polyvinyl Chloride (PVC), Schedule 40, threaded

DEPTH OF SEAL : 41.0'

TYPE OF SEAL : Bentonite Pellets
Bentonite Slurry

DEPTH OF SAND PACK : 44.1'

DEPTH TOP OF SCREEN : 46.1'

TYPE OF SCREEN : Type 316-Stainless Steel

SLOT SIZE x LENGTH : 0.010" slot x 10'

I.D. OF SCREEN : 4.0-inches

TYPE OF SAND PACK: #2-QRok Sand

DEPTH BOTTOM OF SCREEN : 56.1'

DEPTH BOTTOM OF SAND PACK : 59.6'

*TYPE OF BACKFILL BELOW OBSERVATION WELL : Cement/Bentonite Grout, Natural material.

ELEVATION / DEPTH OF HOLE : 505.1/117.1'

DAMES & MOORE
A PROFESSIONAL LIMITED PARTNERSHIP

WELL DEVELOPMENT RECORD

WELL No. MW-N4

PROJECT : BSC - Phase 1 Investigation PROJECT No. : BTA-90-133 SITE LOCATION : Lackawanna, New York

CONTRATOR : Empire Soils Investigations METHOD(S) OF DEVELOPMENT : Hand Bailed

FIELD INSPECTOR(S) : Sharon McLellan, Robert Rae, Don Wartinger,

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
12/7/90	Overcast, 25°-35° F, 15-35mph WSW winds	12:30	Initial = 51.69						Initial water level prior to development
				11.5	18.4	5.66	1080	Very black, very turbid, "coke-oven"-type odor	8 gallons removed Well dry at 8g.
				11.3	19.8	6.00	348		9 gallons removed well dry at 9g
				11.3	20.0	6.05	200		12 gallons removed well dry at 12g
				11.3	20.1	6.06	192		12.5 gallons removed well dry at 12.5g
		1:55	Final = 57.30						Final water level after development.

Note: ~2.9 g = one well volume

MWN-05A

DATE
STARTED 1/2/91
FINISHED 1/2/91
SHEET 1 OF 2

EMPIRE SOILS INVESTIGATIONS INC.

SUBSURFACE LOG

(BTA-90-133)

HOLE NO. MW-N5A
SURF. ELEV. 621.7
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER (0/6, 6/12, 12/18, N)	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0					Gray to black f-c SAND to Cobble-sized SLAG, little Cinders, tr. brick, tr. metal, tr. wood (moist-dry, FILL)	Driller notes moderately hard drilling from ground surface to approximately 47.5-feet.
			AUGER			
5						
10						No Auger Spill Return
15						
20						
25						
30						Driller notes "Skull" at 30-36.0-feet.
35						
40						

N = No blows to drive 2 " spoon 12 " with 140 lb. pin wt. falling 30 "per blow

C = No blows to drive ____ " casing ____ " with ____ lb. weight falling ____ "per blow

CLASSIFICATION Visual by Geologist

METHOD OF INVESTIGATION ASTM D-1586 USING 6-1/4" HOLLOW STEM AUGERS

DATE STARTED 1/2/91
FINISHED 1/2/91
SHEET 2 OF 2

EMPIRE SOILS INVESTIGATIONS INC. SUBSURFACE LOG (BTA-90-133)

HOLE NO MW-N5A
SURF. ELEV 621.7
G. W. DEPTH See Notes

PROJECT Bethlehem Steel Corporation
Phase I Investigation

LOCATION Lackawanna Facility
Lackawanna, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID on Sample	SOIL OR ROCK CLASSIFICATION	NOTES
40								Gray to black f-c Sand to Gravel-sized SLAG, little f-c Sand, tr. silt, tr. cinders (wet, FILL)	Poor sample recovery due to sampler refusal. Water level at 47.5' at end of day 4:45 on 1/2/91. Water level at 8:00 am on 1/3/91=48.6'. Drillers note "easier" drilling at 47.5-feet S-2 Becomes "finer grained slag". Drillers note "running sands" at 52-feet. Boring overdrilled due to sands.
45		S-1	100/3			REF	BG		
50		S-2	65	72					
			100/3			REF	BG		
60								Boring Complete at 59.0-feet.	Free Standing Water recorded at 51.0-feet at boring completion. PID=Organic vapor measurementa taken with a Photoionization Detector (PID). Measurements taken in Parts Per Million (ppm). BG=Background PID Measurements=0.0-0.3 ppm.
65									

N = No. blows to drive 2" spoon 12" with 140 lb. pin wt. falling 30" per blow. CLASSIFICATION Visual by Geologist

C = No. blows to drive ____" casing ____" with ____ lb. weight falling ____" per blow.

METHOD OF INVESTIGATION ASTM D-1586 USING 6-1/4" HOLLOW STEM AUGERS

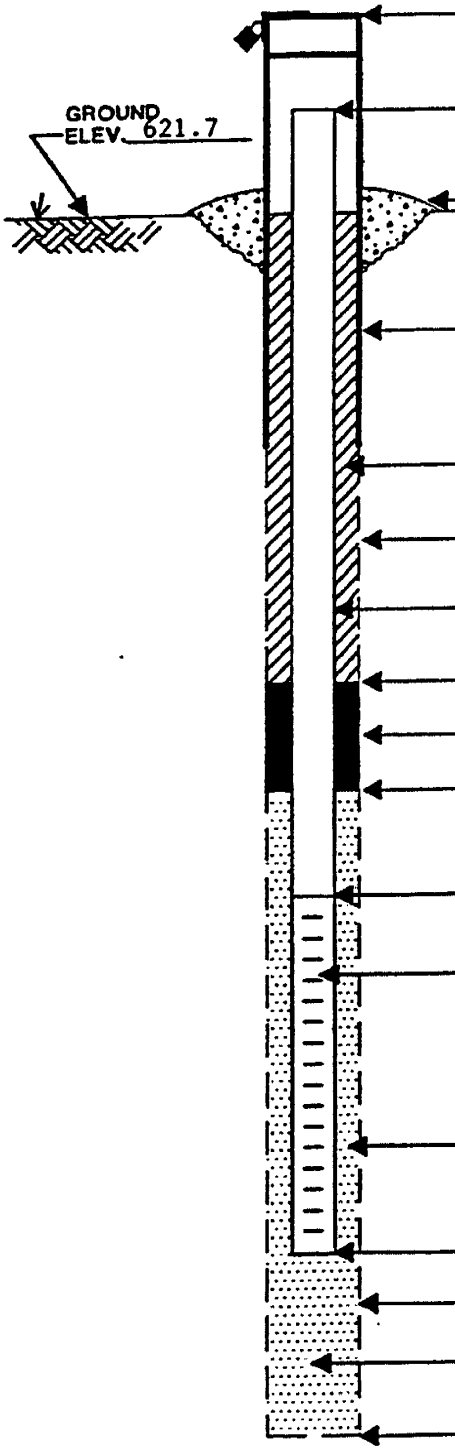
EMPIRE
SOILS INVESTIGATIONS INC.

MONITORING WELL COMPLETION RECORD

PROJECT : Bethelehem Steel
PROJECT No. : BTA-90-133
INSTALLATION DATE(S) : 1/3/91- 1/4/91
FIELD GEOLOGIST : S. McLellan

WELL No. MW-N5A
LOCATION : Lackawanna, NY

DRILLER : J. Lamm
DRILLING METHOD : Air Rotary
DEVELOPMENT METHOD : Bailer



ELEVATION / TOP OF SURFACE CASING : 625.0
STICK-UP / TOP OF SURFACE CASING : 3.30'
ELEVATION / TOP OF RISER PIPE : 624.10
STICK-UP / TOP OF RISER PIPE : 2.40'
TYPE OF SURFACE SEAL : Sakrete

I.D. OF SURFACE CASING : 8.0-Inches Square
TYPE OF SURFACE CASING : Corrosion-Resistant Steel

TYPE OF BACKFILL : Cement-Bentonite Grout

BOREHOLE DIAMETER : 12-1/4-Inches nominal

I.D. OF RISER PIPE : 4.0-Inches
TYPE OF RISER PIPE : Polyvinyl Chloride PVC Schedule 40 , Threaded

DEPTH OF SEAL : 20.5

TYPE OF SEAL : Bentonite Slurry & Pellets

DEPTH OF SAND PACK : 36.0

DEPTH TOP OF SCREEN : 45.5

TYPE OF SCREEN : Type 316 Stainless Steel
SLOT SIZE x LENGTH : 0.010-Inch x 10-feet
I.D. OF SCREEN : 4.0-Inches

TYPE OF SAND PACK: #2 QRok Sand

DEPTH BOTTOM OF SCREEN : 55.5

DEPTH BOTTOM OF SAND PACK : 57.0

TYPE OF BACKFILL BELOW OBSERVATION WELL : #2 QRok Sand

ELEVATION / DEPTH OF HOLE : 562.7/59.0

DAMES & MOORE
A PROFESSIONAL LIMITED PARTNERSHIP

WELL DEVELOPMENT RECORD

WELL No. MW-N5A

PROJECT : BSC - Phase 1 Investigation PROJECT No. : BTA-90-133 SITE LOCATION : Lackawanna, New York

CONTRATOR : Empire Soils Investigations METHOD(S) OF DEVELOPMENT : Hand Bailed

FIELD INSPECTOR(S) : D. Wartinger, R. Krone

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
1/14/91		12:35	50.33						Initial Water level
				12.90	11.8	7.76	<200	Muddy, Very Turbid, No odor	1 gallon removed
				12.93	12.6	8.25	<200		5 gallons removed
				12.92	12.5	8.03	<200		10 gallons removed
				12.92	13.1	8.07	<200		15 gallons removed
				12.93	13.2	8.32	<200		20 gallons removed
				12.92	12.6	7.94	<200		25 gallons removed
				12.76	12.9	8.02	<200		30 gallons removed
				12.73	13.5	7.72	<200		35 gallons removed

Note: plumbness was tested prior to development.

LA

DAMES & MOORE
A PROFESSIONAL LIMITED PARTNERSHIP

WELL DEVELOPMENT RECORD

WELL No. _____

PROJECT : BSC - Phase 1 Investigation PROJECT No. : BTA-90-133 SITE LOCATION : Lackawanna, New York

CONTRATOR : Empire Soils Investigations METHOD(S) OF DEVELOPMENT : Hand Bailed

FIELD INSPECTOR(S) : D. Wartinger, R. Kron

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES ; GAL. REMOVED, ETC...
1/14/91				12.67	12.8	7.70	<200		40 gallons removed
				12.65	13.6	7.45	<200		45 gallons removed
		1:40	50.41						Final Water level

7a

MWN-05B

LOG OF BORING

PROJECT: Bethlehem Steel Corp., RFI	PROJECT NUMBER: 00120-158-152	SHEET NO.: 1 of 3	HOLE NUMBER: MWN-5B		
SITE: Lackawanna, NY	COORDINATES: N00+28.78 / W38+01.84	LOGGED BY: B. McLoughlin	CHECKED BY: KDI 3/11/93		
BEGUN: 11/3/92	COMPLETED: 11/3/92	DRILLER: Empire Soils/D. Maddex	DRILLING EQUIPMENT: Failing F-10, 6-1/4" HS Augers	BORING DIA.: 10"	TOTAL DEPTH: 77.00
CORE RECOVERY (FT./%): /	CORE BOXES:	SAMPLES: 4	CASING STICKUP: 2.92	GROUND ELEV.: 619.0 Plant	DEPTH/*ELEV.* GROUND WATER: ▼ 45.75 / *573.2* ▼ 45.75 / *573.2*
SAMPLE TYPE: Split Spoon	CASING DIA/LENGTH: 6"SQ/4	NOTES: Units =**Feet** HNu bkg=0.3ppm			DEPTH/*ELEV.* TOP OF ROCK: 97.9 / *521.1*

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
								GRAY COARSE GRAVEL AND REDDISH BROWN SANDY SILT (moist) (medium dense) [SLAG FILL]	
			BKG		5			DARK GRAY TO BLACK COARSE SILTY SAND with gravel (moist) (medium dense) [SLAG FILL]	Cuttings show wire and metal scrap at 7', augers hard 7 to 8'.
			BKG		10			DARK GRAY COARSE SILTY SAND with gravel (moist) (medium dense) [SLAG FILL]	
					15				Cuttings show wire, metal, wood, and trace of pottery.
			BKG		20			DARK GRAY SILTY COARSE SAND with gravel (moist) (medium dense) [SLAG FILL]	Grinding very hard from 17.8 to 19.5'.
			BKG		25			DARK GRAY SILTY COARSE SAND with gravel (moist) (medium dense) [SLAG FILL]	
								DARK GRAY SILTY COARSE SAND with gravel (moist) (medium dense) [SLAG FILL]	
					30				Augers grinding hard in slag at 28 to 29.5'.
			BKG		35			DARK GRAY SILTY COARSE SAND with gravel (moist) (dense) [SLAG FILL]	Cuttings show steel fragments at 33'.

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	2 of 3	MWN-5B

continuation

SAMPLE NUMBER	LENGTH/RECOV. (Inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
								grades to more gravels	Augers hard to very hard.
				581.0 38.0				DARK GRAY TO GRAY GRAVEL AND SILTY COARSE SAND (moist) (dense)[SLAG FILL]	
			BKG		40				
			BKG					GRAY COARSE GRAVEL AND SILTY COARSE SAND (moist to wet) (dense)[SLAG FILL]	
									From 43' to 44.5' augers very hard-grinding.
					45				Moderate to hard grinding from 45 to 47'.
								GRAY COARSE GRAVEL AND SILTY COARSE SAND (moist to wet) (dense)[SLAG FILL]	Augers very hard from 47.5 to 49.5'.
				569.5 49.5					Driller noted change at 49.5'.
1	24/18	54	BKG		50			DARK GRAY COARSE GRAINED SILTY SAND with gravel and trace of shell fragments (wet) (dense)[SAND]	
									Augers easily with only slight grinding from 50 to 55'.
					55			DARK GRAY COARSE GRAINED SILTY SAND with gravel and trace of shell fragments (wet) (dense)[SAND]	
2	24/24	51	BKG		60			DARK GRAY COARSE GRAINED SILTY SAND with gravel and trace of shell fragments (wet) (dense)[SAND]	
									Augers easily with slight grinding throughout from 60 to 66'.
					65			DARK GRAY COARSE GRAINED SILTY SAND with gravel and trace of shell fragments (wet) (dense)[SAND]	
				553.0 66.0					Driller noted change at 66', augers very easily with no grinding.
3	24/24	29	BKG		70			DARK GRAY FINE TO COARSE GRAINED SILTY SAND (wet) (medium dense)[SAND]	
								DARK GRAY FINE TO COARSE GRAINED SILTY SAND (wet) (medium dense)[SAND]	
					75				

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	3 of 3	MWN-5B

continuation

SAMPLE NUMBER	LENGTH/RECOV. (Inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
4	24/19	28	BKG	542.5 540.9 77.0	80 85 90 95 100 105 110 115			DARK GRAY FINE TO COARSE GRAINED SILTY SAND (wet) (medium dense)[SAND] LIGHT GRAY SILTY CLAY (moist) (stiff)[SILTY CLAY] Boring completed at 77 ft. on 11/3/92 at 5:15pm.	

WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-158-152	MWN-5B

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	N00+28.78 / W38+01.84	619.0 Plant ☒Surveyed ☐Estimated	2.92

Soil Boring Cross-Reference *MWN-5B*
Town and City *Lackawanna*
County and State *Erie, NY*

Installation Date (s) *11/3/92*

Drilling Method *Failing F-10, 6-1/4" HS Augers*
Drilling Contractor *Empire Soils/D. Maddex*
Drilling Fluid *None*

Development Technique (s) / Dates
Bailer 11/19/92

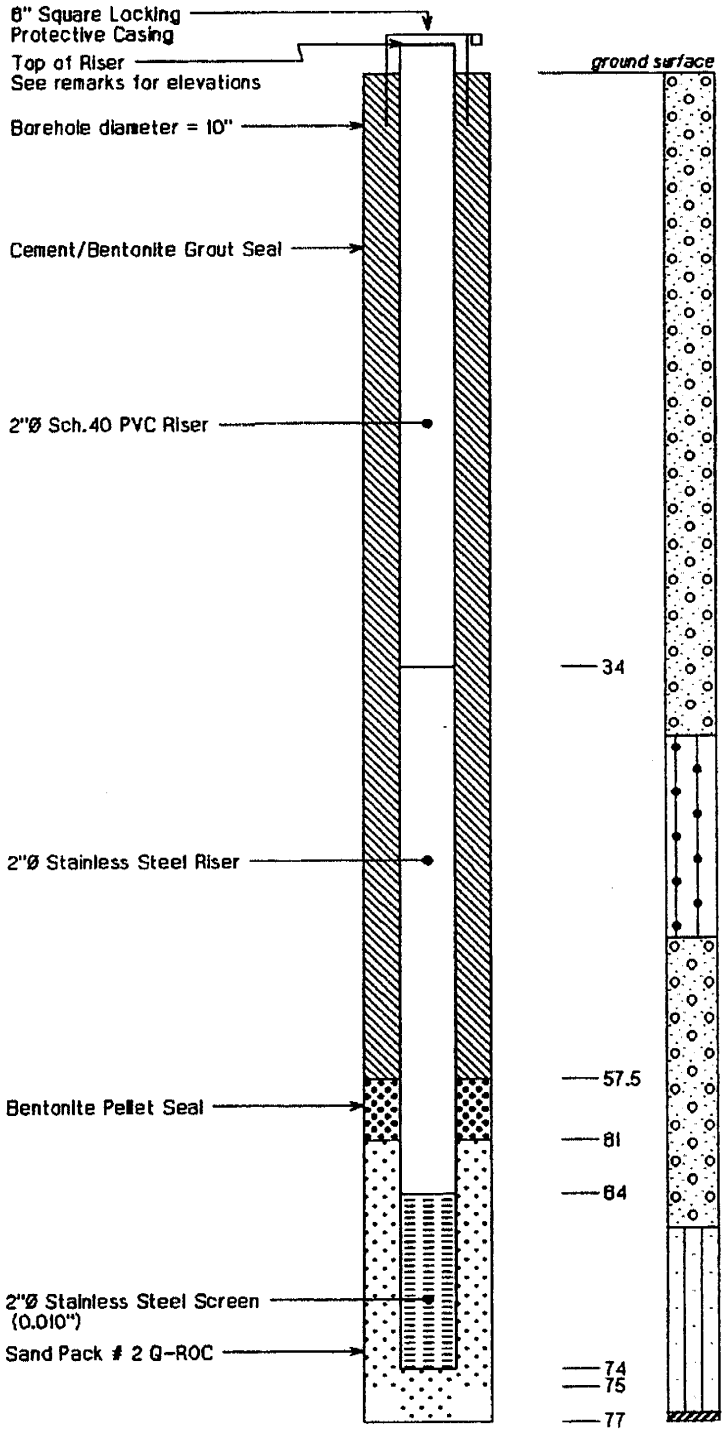
Fluid Loss During Drilling (gals) _____
Water Removed During Development (gals)
21.5 - 11/19/92

Static Depth to Water Date *11/19/92*
Static Depth to Water (feet) *48.56 (Top of riser)*

Well Purpose *Groundwater monitoring*

Remarks ***Not to Scale***
Top of riser elevation: 621.81
Top of protective casing elevation: 621.92

Prepared By *J. Paul*
Date Prepared *11/10/92*



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BETHLEHEM STEEL CORPORATION PHASE IIA INVESTIGATION
GROUND WATER SAMPLING RECORD - PROJECT NO BD-92-093

Well # N-5B

WELL VOLUME CALCULATIONS:

Constants for {V = r²h x 7.48 gal/ft} 2" Well = 0.1632 gal/linear foot

Well Diameter (in): 2" 1 Well Vol = [26.23' ft] x [0.1632 gal/linearar ft] = 4.28 gal.

Well Depth *(ft): 74.79'

Water Level *(ft): 48.56'

Height of Water Column(ft): 26.23'
(*Reference Point-Top of Well Riser Pipe)

WELL DEVELOPMENT

Date: 11·19·92 Time Start: 1515

Evacuation Method: PVC Bailer/Polyethyline Rope

GAL.EVAC./ WELL VOL.	PH (SU)	TEMP (°C)	SPECIFIC CONDUC. (MS/CM)	TURBID (NTU)	PURGE WATER CHARATERISTICS
Initial	10.65	13.2	15.05	>100	Slightly Turbid; Becoming Dark Green
13.0 (3wv)	6.70	13.4	>20	Same	Becomes Black Petroleum Odor
17.5 (4wv)	6.66	13.3	>20	Same	Same
21.5 (5wv)	6.66	13.3	>20	Same	Same

Comments: (Time Complete 1622) Well Developed - Measurements Stabilized

Signature: Steph J Bochenek

MWN-05D

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-188-152	1 of 3	MWN-05D

SITE	COORDINATES	LOGGED BY	CHECKED BY
Lackawanna, NY	S 00+21.58 / W37+98.18	J. Gabreski	E. Fujita

BEGUN	COMPLETED	DRILLER	DRILLING EQUIPMENT	BORING DIA.	TOTAL DEPTH
7/27/95	8/18/95	SJB Svs Inc./D. Maddex	CME 85, 8-1/4" HS Augers	11.5" to 4"	106.0

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	CASING STICKUP	GROUND ELEV.	DEPTH/*ELEV.* GROUND WATER	DEPTH/*ELEV.* TOP OF ROCK
10.5 / 96.5	1	40	3.39	615.2 Plant	▽ 47.0 / *568.2* ▽ 42.25 / *573.0*	95.5 / *519.7*

SAMPLE TYPE	CASING DIA/LENGTH	NOTES
2" x 2' Standard Split Spoon	8"SQ/4	Units =**Feet** HNu bkg=0.2ppmv

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER *Elev.* Depth	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
1	24/24	38	13.2		RED-BROWN CLAYEY SILT GRADES TO LIGHT YELLOW FINE SILTY SAND AND BROWN FINE TO COARSE SAND (dry) (medium dense) [FILL]	
2	24/18	28	8.1		BROWN SILTY SAND AND DARK GRAY FINE TO COARSE SILTY SAND [SLAG FILL] (dry) (medium dense)	
3	24/20	91	17.8		DARK GRAY FINE TO COARSE SAND AND COARSE SILT [SLAG FILL] (moist) (dense)	slight sheen, faint aromatic odor
4	24/24	29	10.2		RED-BROWN CLAYEY SILT AND DARK GRAY FINE TO COARSE SAND [SLAG FILL] (moist) (medium dense)	Augers grind hard
5	24/24	14	11.2		DARK GRAY FINE TO COARSE SILTY SAND trace brown fine sand (moist) (medium dense) [SLAG FILL]	
6	24/24	20	7.5		GRAY FINE TO COARSE SANDY GRAVEL (moist) (medium dense) [SLAG FILL]	
7	24/12	13	7.2		GRAY FINE TO COARSE SANDY GRAVEL (moist) (medium dense) [SLAG FILL]	red brick fragments
8	24/12	11	8.8		DARK GREY AND DARK BROWN FINE TO COARSE SILTY SAND, trace brown silt (moist) (medium dense) [SLAG FILL]	
9	24/8	14	13.8		DARK GRAY COARSE SILTY SAND some fine sand (moist) (medium dense) [SLAG FILL]	
10	24/8	14	12.0		DARK GRAY FINE TO COARSE SILTY SAND (moist) (medium dense) [SLAG FILL]	Augers advance easily to 20', 1/2" wire wrapped around ctr plug.
11	24/20	18	9.4		DARK GRAY TO BROWN FINE TO COARSE SILTY SAND trace brown silt (moist) (medium dense) [SLAG FILL]	
12	24/18	9	10.4		DARK GRAY TO BROWN FINE TO COARSE SILTY SANDY GRAVEL some white fine silty sand debris (moist) (medium dense) [SLAG FILL]	
13	24/12	154	7.2		LIGHT GRAY FINE TO COARSE SILTY SAND blue-green pocket of angular particles (moist) (very dense) [SLAG FILL]	
14	1/0	50/.1	NA		Recovered 1" light grey gravel only	Augers hard at 28', continue to 30'
15	24/18	20	10.0		DARK AND LIGHT GREY FINE TO COARSE SILTY SAND (moist) (medium dense) [SLAG FILL]	Augers hard at 30', 1"-2" gravel cuttings
16	18/18	55	8.0		DARK GRAY FINE TO COARSE SILTY SAND with reddish-brown seams, (moist) (medium dense) [SLAG FILL]	Hydraulic line broken on rig.

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-186-152	2 of 3	MWN-05D

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
17	24/8	46	BKG		DARK GRAY FINE TO COARSE SILTY SANDY GRAVEL (moist) (medium dense) [SLAG FILL]	
18	12/8	100/.5	9.0		DARK GRAY FINE TO COARSE SILTY SANDY GRAVEL (moist) (medium dense) [SLAG FILL]	
19	2/2	100/.3	9.0		No soil sample recovered; 2" piece of rusted steel debris plugged shoe of sampler tube	Augers hard to 42', continue to 44'
20	24/19	73	BKG		GRAY TO BROWN COARSE SILTY SANDY GRAVEL (moist) (medium dense) [SLAG FILL]	
21	24/15	88	BKG		GRAY TO BROWN COARSE SILTY SANDY GRAVEL (WET) (medium dense) [SLAG FILL]	Top of groundwater encountered at approx. 47.0'
22	24/12	28	BKG		DARK GRAY FINE TO COARSE SILTY SANDY GRAVEL (wet) (medium dense) [SLAG FILL]	
23	24/18	17	BKG		DARK GRAY FINE TO COARSE SILTY SANDY GRAVEL (wet) (medium dense) [SLAG FILL]	
24	24/22	23	BKG		DARK GRAY FINE TO COARSE SILTY SANDY GRAVEL (wet) (medium dense) [SLAG FILL]	
25	24/22	8	BKG		GRAY FINE TO MEDIUM SILTY SANDY GRAVEL (wet) (loose) [SLAG FILL]	Driller reports running sands in borehole.
26	24/22	4	BKG		GRAY FINE TO MEDIUM SILTY SANDY GRAVEL (wet) (loose) [SLAG FILL]	
27	24/24	7	BKG		GRAY FINE TO MEDIUM SILTY SANDY GRAVEL (wet) (loose) [SLAG FILL]	
				555.2 60.0		At depth of 60.0' driller notes 8.0 feet of fillup/running sands, ctr bit stuck in augers for approx. 1.25 hrs.
						No sampling 60'-70', Heaving sands observed between 60'-70'
				545.2 70.0		
28	24/20	2	BKG		GRAY TO BROWN CLAYEY SILT GRADES TO TO SILTY CLAY with trace of sand (moist) (soft)	Driller sets 8" dia. steel casing to depth of 74.0' @ 2:30 pm. on 8/01/95
29	24/22	4	BKG		GRAY TO BROWN SILTY CLAY with minor fine to medium gray sand (cavings) (moist) (stiff)	

LOG OF BORING

PROJECT	PROJECT NUMBER	SHEET NO.	HOLE NUMBER
Bethlehem Steel Corp., RFI	00120-186-152	3 of 3	MWN-05D

continuation

SAMPLE NUMBER	LENGTH/RECOV. (inches)	BLOWS PER FOOT	HNu (ppm)	LAYER Elev. Depth	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION density, grain size/shape, color, structure composition, sorting, texture, moisture facies, odor	DRILLING NOTES water levels, water return, character of drilling, etc.
30	24/18	7	BKG					GRAY TO BROWN SILTY CLAY with minor fine to medium gray sand (cavings) (moist) (stiff)	
31	24/20	15	BKG	539.2 77.0				GRAY SILTY CLAY GRADES TO TO GRAY TILL (at 77.0') with medium to coarse rounded gravel (moist) (stiff)	
32	24/22	11	BKG		80			GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (stiff) [TILL]	
33	24/17	18	BKG					GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (very stiff) [TILL]	
34	24/8	13	9.0					GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (stiff) [TILL]	
35	24/1	14	BKG		85			GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (stiff) [TILL]	
36	24/18	15	BKG					GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (stiff) [TILL]	
37	24/22	21	BKG					GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (stiff) [TILL]	
38	24/5	21	BKG		90			GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (very stiff) sand content increasing, few fragments of shale [TILL]	
39	24/18	38	15.0					GRAY SILTY SANDY TILL with medium to coarse sub-rounded gravel (moist) (plastic) minor fragments of black shale [TILL]	
40	12/12	65/.8	15.0	519.7 95.5	95			GRAY SANDY SILTY TILL GRADES TO DARK GRAY SHALE [BEDROCK]	Slight petroleum-like odor on SS sample @ 94.0'
								CORE RUN #1 95.5'- 100.1' GRAY TO BLACK SHALE soft-medium hard, partly to highly weathered, fissile; thinly laminated REC=95%, RQD=<10%	Good returns on drill water Petroleum-like odor on core between 98'-100'.
					100				
								CORE RUN #2 100.2'- 108.0' GRAY TO BLACK SHALE medium hard, slightly weathered, thinly laminated, REC=98%, RQD=62%, vertical fractures @ 102' and 103'- some filled w/calcite, minor pyrite crystals	
					105				
				509.2 108.0				Boring completed @ 108.0 ft on 8/17/95 @ 1430.	Approx. 95 gals of total 595 gallons of drill water used was lost to formation. Note: Free standing water not recorded at boring completion due to use of drilling water.
					110				
					115				

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WELL CONSTRUCTION LOG

PROJECT	PROJECT NUMBER	WELL NUMBER
Bethlehem Steel Corp., RFI	00120-186-152	MWN-05D

SITE	COORDINATES	GROUND SURFACE ELEVATION	CASING STICKUP
Lackawanna, NY	S 00+21.58 / W37+98.18	615.2 Plant ☒Surveyed ☐Estimated	3.39

Soil Boring Cross-Reference *MWN-05D*
Town and City *Lackawanna, Lackawanna*
County and State *Erie, NY*

Installation Date (s) *7/27/95, 8/18/95*

Drilling Method *CME 85, 8-1/4" HS Augers*
Drilling Contractor *SJB Svs Inc./D. Maddex*
Drilling Fluid *Water*

Development Technique (s) / Dates
Pump

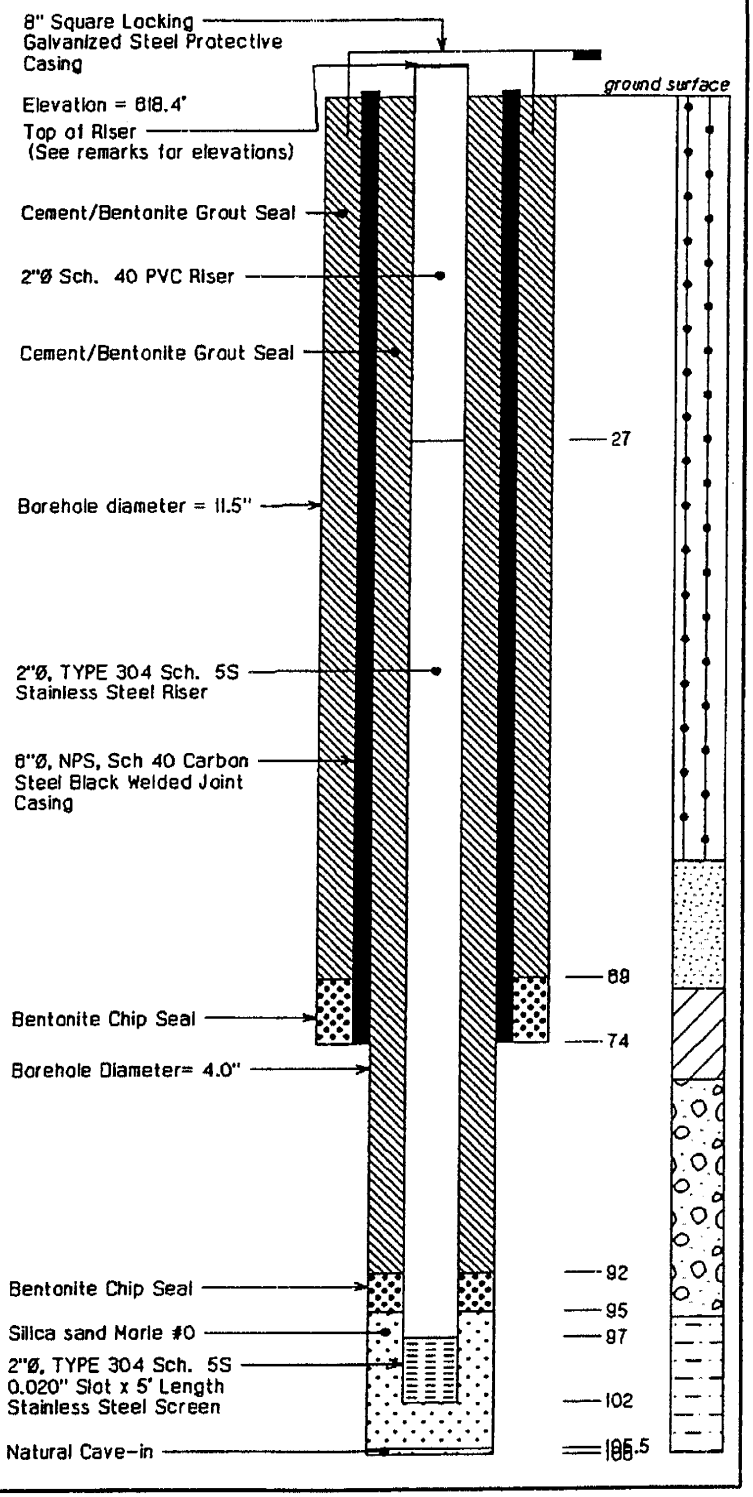
Fluid Loss During Drilling (gals) *95*
Water Removed During Development (gals)
120 - 8/25/95

Static Depth to Water Date *9/20/95*
Static Depth to Water (feet) *45.47 TOR*

Well Purpose *Groundwater elevations*

Remarks *Not to Scale*
Top of riser elevation: 618.42
Top of casing elevation: 618.59

Prepared By *J. Gabreski*
Date Prepared *09/01/95*



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WELL DEVELOPMENT RECORD

WELL No. MWN-05D

PROJECT : BSC PHASE III PROJECT No. : 00120-186-152 SITE LOCATION : LACKAWANNA, NY

CONTRATOR : SJB SERVICES METHOD(S) OF DEVELOPMENT : GROUNDFOS PUMP

FIELD INSPECTOR(S) : B. PHILLIPS, R. STEINER
D+M

DATE	WEATHER/ TEMP.	TIME	WATER DEPTH TOP OF RISER (FT)	pH (UNITS)	TEMP. (°C)	SP. COND. (umhos)	NTU	VISUAL APPEAR., ODOR, ETC...	NOTES : GAL. REMOVED, ETC...
8/25/95	80°F / CLEAR	1335	WL = 45.2' TOR BOW = 106.0' TOR START @ 65 gal. removed						
		1400		8.5	70	1040	>200	CLOUDY, NO ODOR.	80 gal.
		1415		7.88	72.2	1062	>200 00.2		90 gal
		1425		7.55	72.8	1068	>200 ~~00.1~~		95
		1433		7.36	73.0	1069	>200 ~~00.1~~		100
		1445		7.57	71	1074	>200 ~~00.2~~		105
		1455		7.77	73	1079	>200 ~~00.2~~		110
			WELL DEVELOPED @ 1520 @ 120 gal.						
			WL = 63'						

APPENDIX B

OCTOBER 2004 RFI FIGURES, TABLES, AND ANALYTICAL DATA

FINAL RCRA FACILITY INVESTIGATION REPORT

Former Bethlehem Steel Corporation Facility
Lackawanna, New York

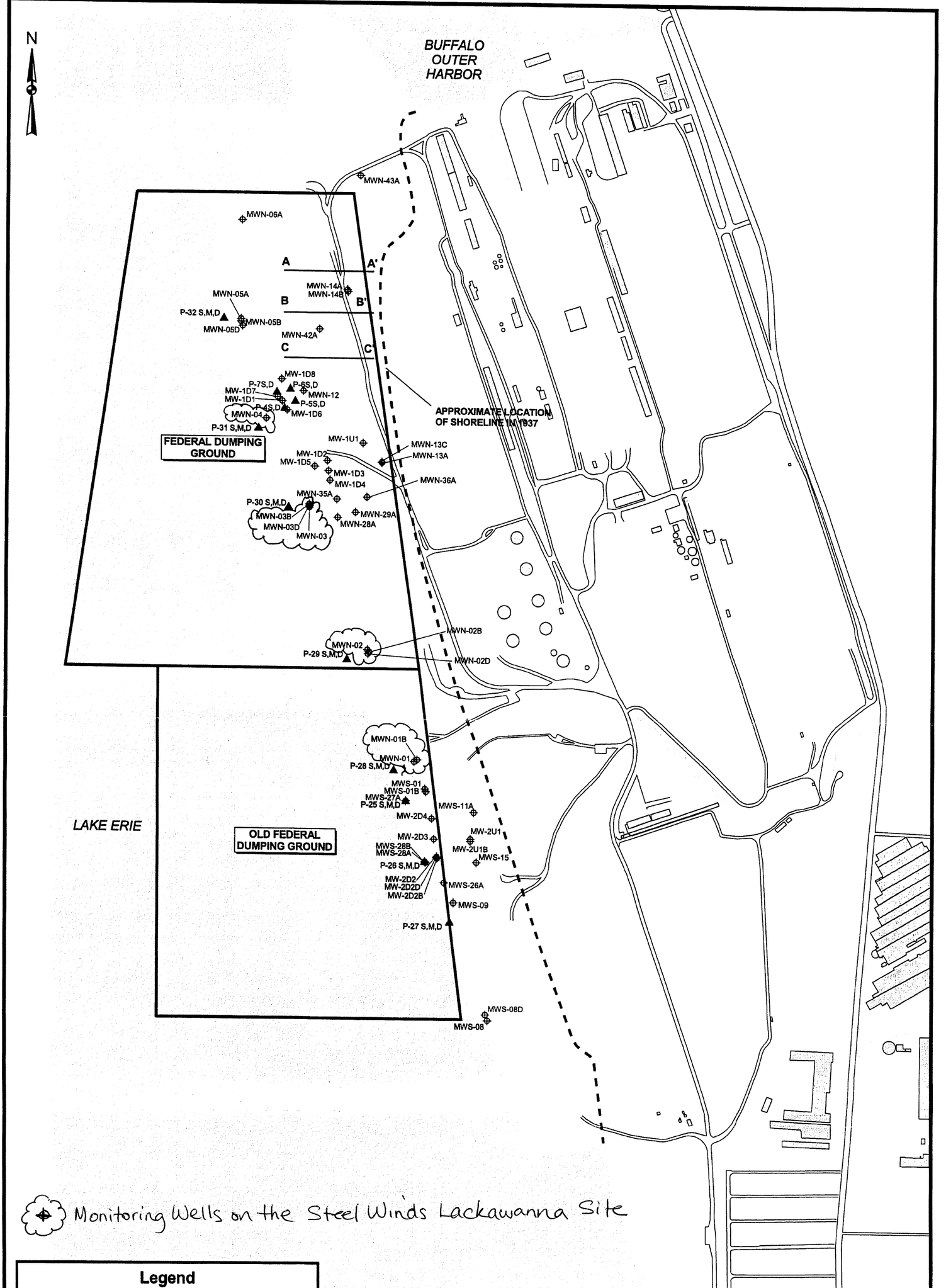
PART II
TABLES AND FIGURES

October 2004

Submitted by:
TECUMSEH REDEVELOPMENT, INC.
4020 Kinross Lakes Parkway
Richfield, Ohio 44286-9000

G3974C

N:\11172630.00000\GIS\PRESENT\feddump.apr LOCATION OF FORMER FEDERAL DUMPING GROUNDS W/WELLS
10/25/2002



Monitoring Wells on the Steel Winds Lackawanna Site

Legend

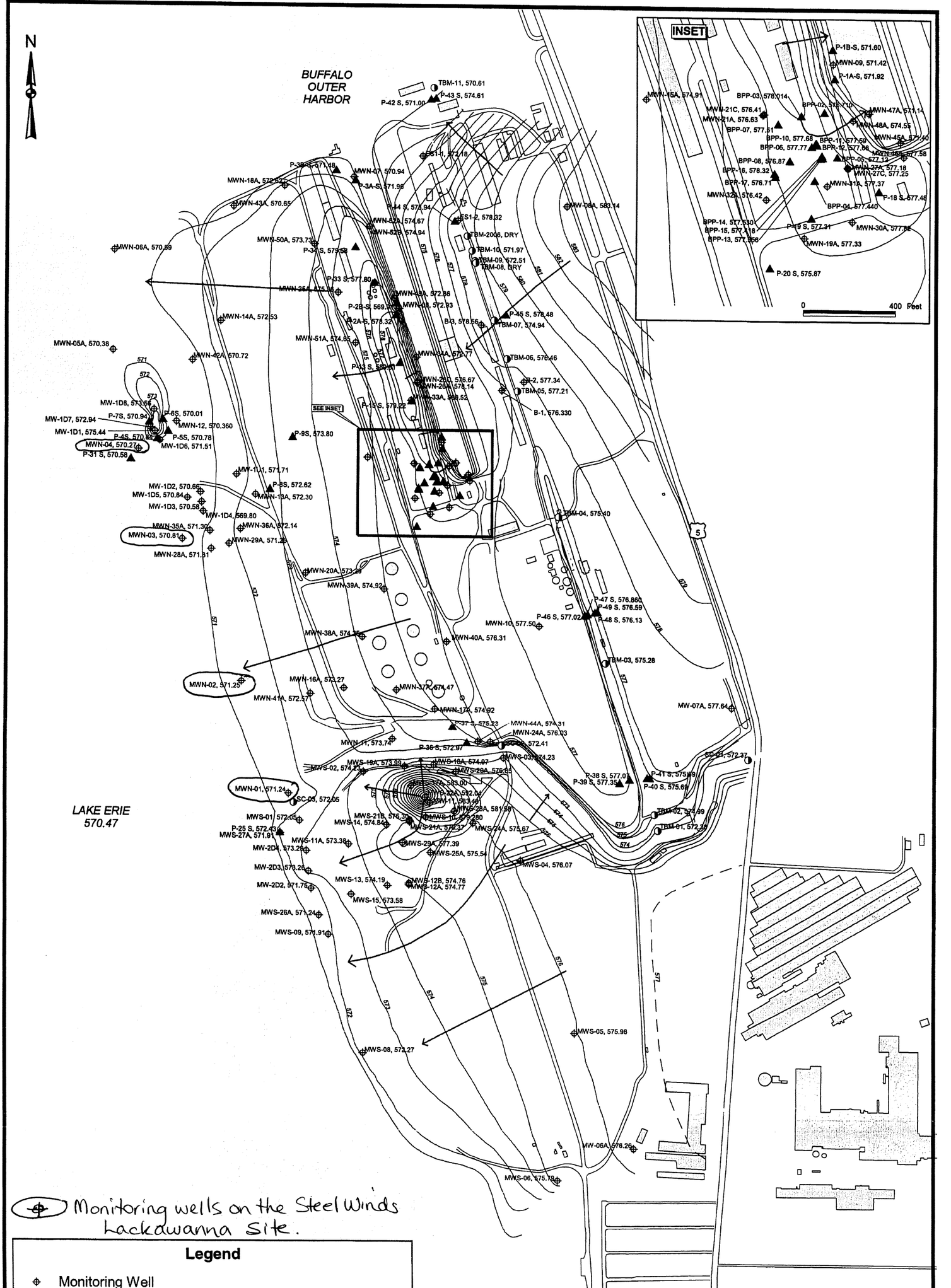
- Shoreline Area Monitoring Well
- Shoreline Investigation Piezometer
- A ___ A' Dump Ground Cross Section (See Figure 2 for Cross Sectional View)

SOURCE FEDERAL DUMPING GROUNDS:
Buffalo Harbor Dumping Ground Drawing,
U.S. Army Corps of Engineers, April 24, 1937

1000 0 1000 Feet

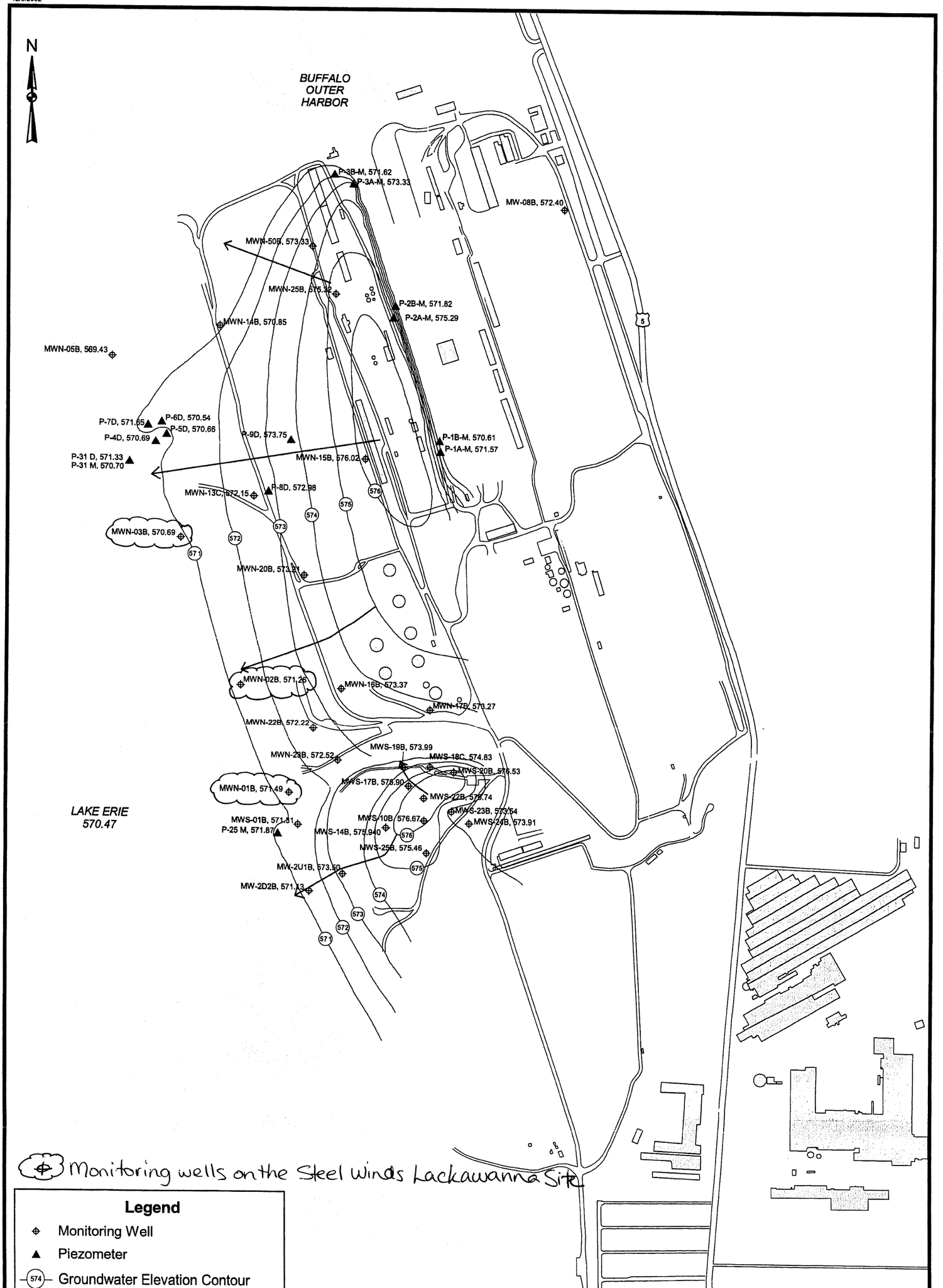
URS	BETHLEHEM STEEL CORPORATION - LACKAWANNA, NEW YORK LOCATION OF FORMER FEDERAL DUMPING GROUNDS AND OTHER SITE FEATURES	FIGURE 1-2A

N:\11172630.00000\GIS\ArcESENT\welev_1117.apr (FILL) 11/20/01 GROUNDWATER ELEVATIONS
12/6/2002



URS	BETHLEHEM STEEL CORPORATION - LACKAWANNA, NEW YORK GROUNDWATER ELEVATION CONTOUR MAP (FILL UNIT - NOVEMBER 20, 2001)	FIGURE 2-50

N:\11172630.00000\G. .\ESENT\welev_sand.apr (SAND) 11/20/01 GROUNDWATER ELEVATIONS
12/6/2002

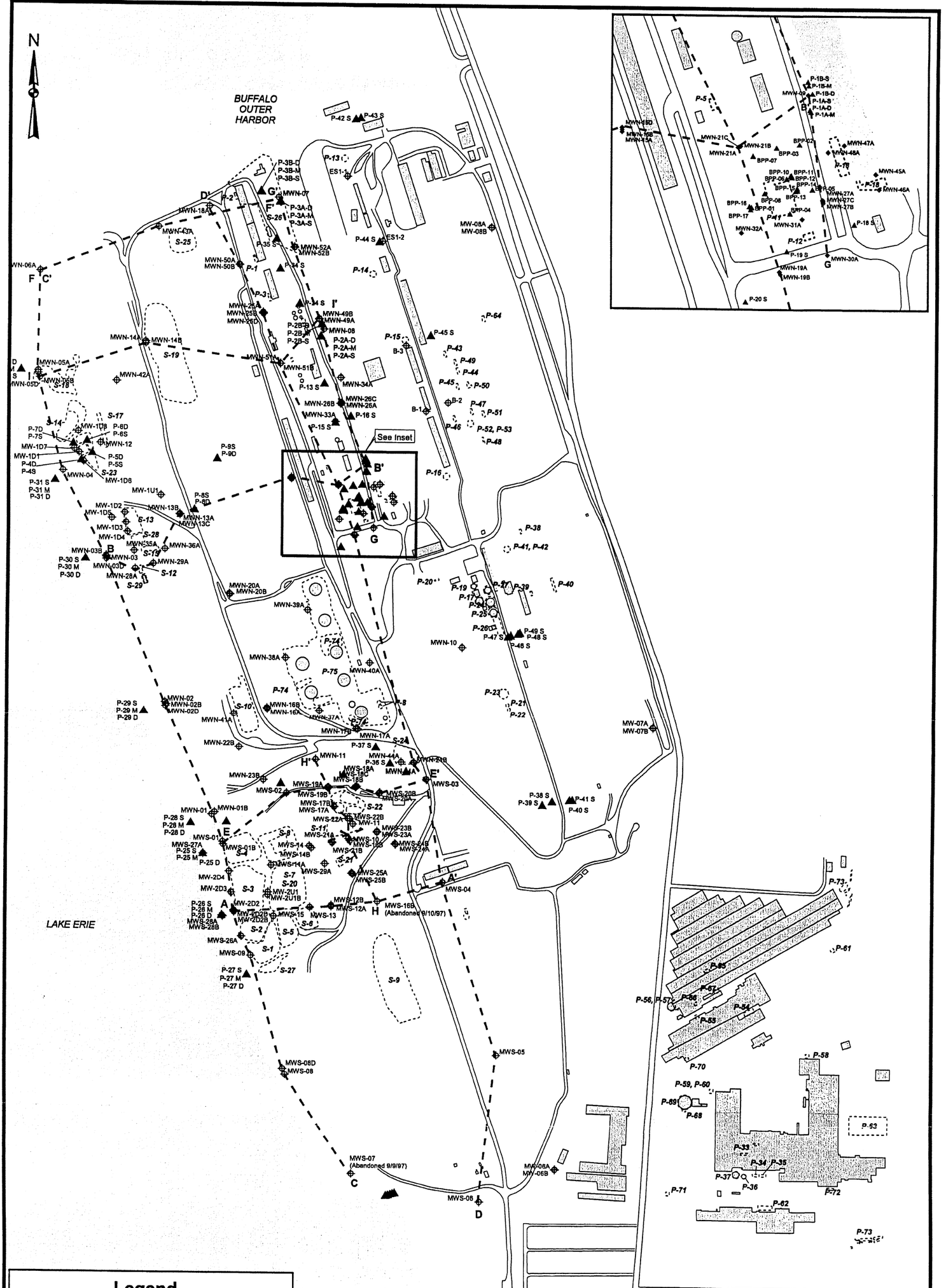


URS

BETHLEHEM STEEL CORPORATION - LACKAWANNA, NEW YORK
GROUNDWATER ELEVATION CONTOUR MAP
(SAND UNIT - NOVEMBER 20, 2001)

FIGURE 2-51

N:\11172630.00000\GIS\PRESENT\location.apr HYDROGEOLOGIC CROSS SECTIONS
12/2/2002



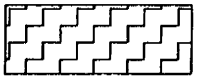
URS	BETHLEHEM STEEL CORPORATION - LACKAWANNA, NEW YORK LOCATIONS OF HYDROGEOLOGIC CROSS SECTIONS	FIGURE 2-22

N:\11172630\CAD\ 1=1 12/12/02-3 BJG

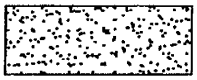
LEGEND:



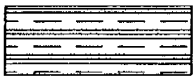
FILL (SLAG, CINDERS, WIRE, ASHES, BRICK AND STEEL CONSTRUCTION DEBRIS)



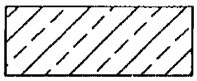
PEAT (DARK GRAY OR DARK BROWN CLAYEY SILT WITH VARYING AMOUNTS OF ORGANIC MATTER)



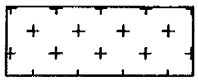
SAND (DARK GRAY FINE SILTY SAND)



SILTY CLAY: LACUSTRINE SILTS AND CLAYS (CLAYEY SILT AND SILTY CLAY WITH OCCASIONAL SAND LENSES)



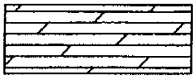
CLAYEY SILT: LACUSTRINE SILTS AND CLAYS (CLAYEY SILT AND SILTY CLAY WITH OCCASIONAL SAND LENSES)



TILL (DENSE REDDISH-BROWN TO GRAY SILTY CLAY WITH SAND AND GRAVEL)



BEDROCK (DARK GRAY TO BLACK FISSILE SHALE)



BEDROCK (LIMESTONE)

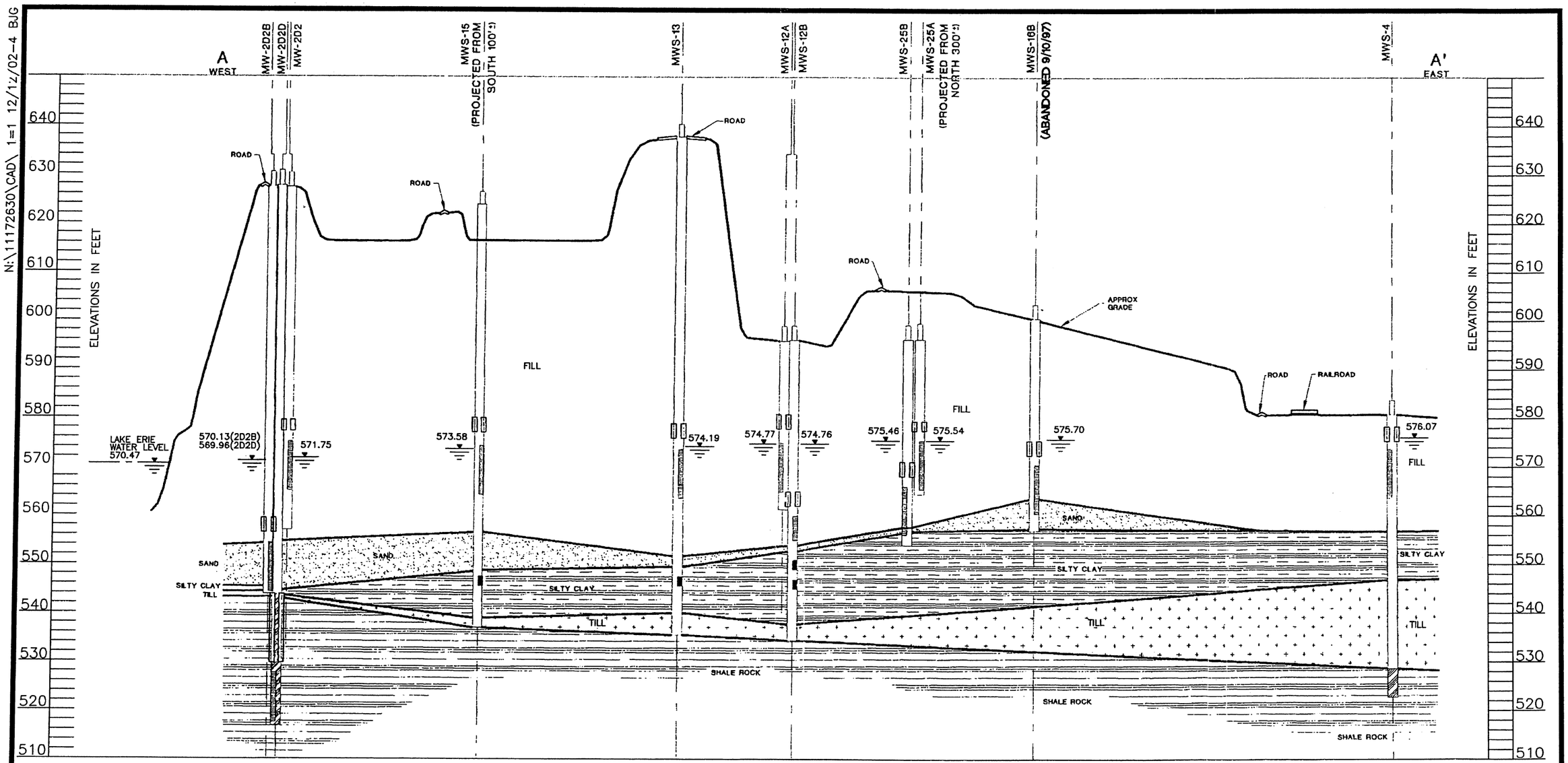
AC-17401

URS

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
LEGEND FOR CROSS SECTIONS
A-A' THROUGH H-H'

FIGURE 2-23

N:\11172630\CAD\ 1=1 12/12/02-4 BJG



LEGEND:

- 573.58 WATER LEVEL (11/20/01)
- WELL SEAL
- UNDISTURBED SAMPLE
- WELL SCREEN
- POROUS INTAKE
- ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'
VERTICAL SCALE: 1"= 20'

200' 0 200'
HORIZONTAL SCALE: 1"= 200'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION A-A'

URS

FIGURE 2-24

CC-7181

N:\11172630\CAD\ 1=1 12/12/02-4 BJG

B
WEST

B'
EAST

MWN-3
MWN-3D
MWN-3B
MWN-28A
MWN-28A
MWN-13A
MWN-13C
MWN-13B
(ABANDONED 7/94)
P-8D
P-8S
MWN-15A
MWN-15B
MWN-15D
MWN-21A
MWN-21C
MWN-21B
P-1A S
P-1A D
P-1A M
MWN-9

STOCK PILE AREA
APPROX. GRADE
ROAD
STOCK PILE AREA
SWMU 8-12
ROAD
ROAD
COAL STOCK PILE AREA
RAILROAD
COKE OVEN AREA
RAILROAD
RAILROAD
GATEWAY METROPORT SHIP CANAL

FILL
FILL
FILL
FILL

LAKE ERIE WATER LEVEL 570.47
570.81(3)
569.6(3D)
570.69(3B)
571.31
571.26
572.3(A)
572.15(C)
572.62(8S)
572.98D)
574.91(A)
576.02(B)
576.63(A)
576.41(C)
572.51(D)
574.91(B)
571.42
SHIP CANAL WATER LEVEL 570.47
571.92(S)
571.57(M)
571.66(D)

SILTY CLAY
PEAT
SAND
CLAYEY SILT
SILTY CLAY
TILL
SHALE ROCK
SHALE ROCK
SAND
PEAT
CLAYEY SILT
SILTY CLAY
TILL
SHALE ROCK
SHEET PILE WALL
APPROX. BOTTOM
SILTY CLAY
TILL

ELEVATIONS IN FEET

630
620
610
600
590
580
570
560
550
540
530
520
510
500
490

LEGEND:

571.31 WATER LEVEL (11/20/01)
WELL SEAL
UNDISTURBED SAMPLE
WELL SCREEN
POROUS INTAKE
ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'
VERTICAL SCALE: 1"= 20'

400' 0 400'
HORIZONTAL SCALE: 1"= 400'

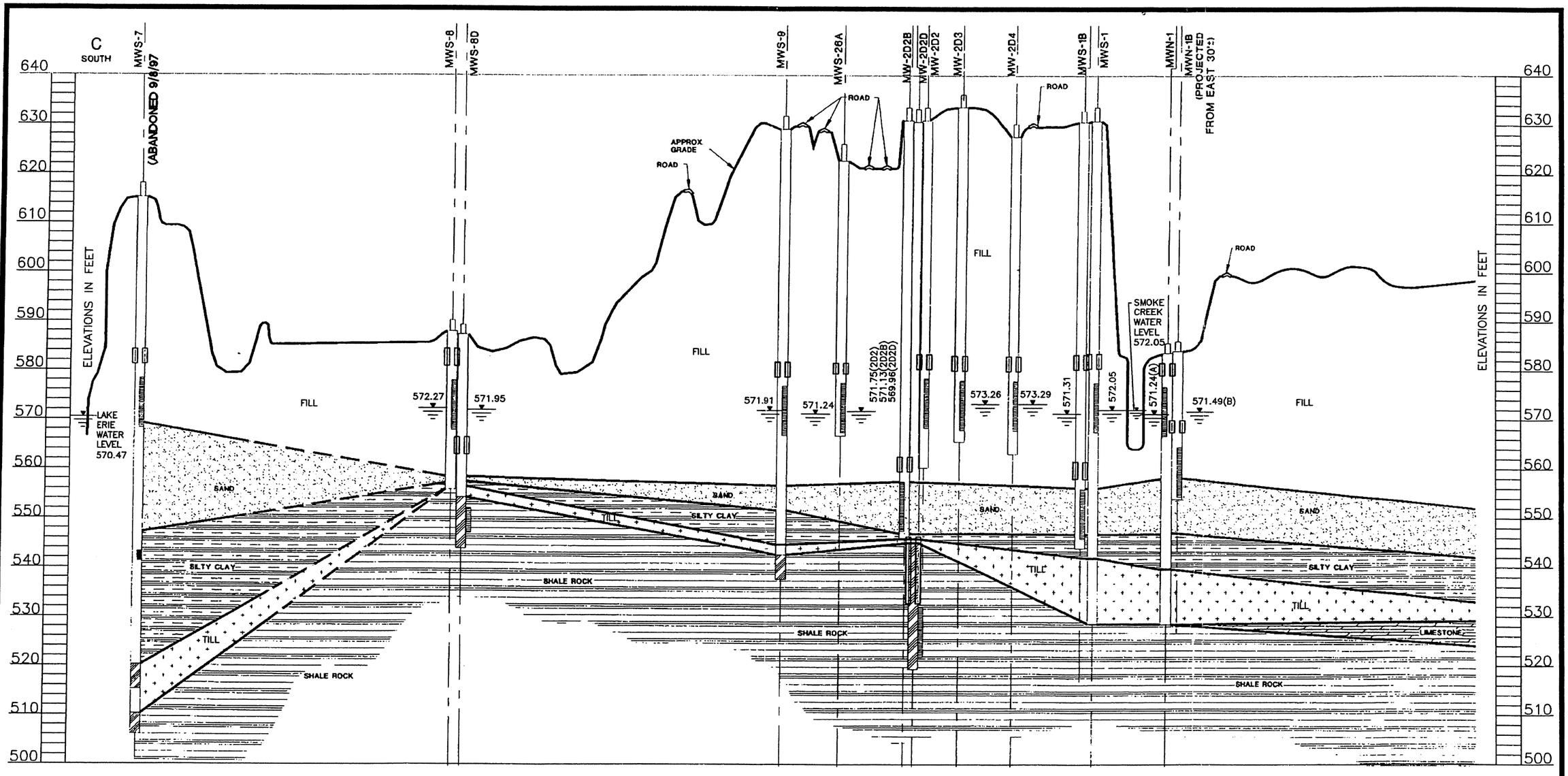
BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION B-B'

URS

FIGURE 2-25

CC-7182

N:\11172630\CAD\ 1=1 12/12/02-4 BJG



LEGENDS:

- WATER LEVEL (11/20/01)
- WELL SEAL
- UNDISTURBED SAMPLE
- WELL SCREEN
- POROUS INTAKE
- ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'
VERTICAL SCALE: 1"= 20'

400' 0 400'
HORIZONTAL SCALE: 1"= 400'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION C-C' (SOUTH)

URS

FIGURE 2-26

CC-7183

N:\11172630\CAD\ 1=1 8/13/04-6 PAL

C'
NORTH

MWN-2D
MWN-2B
MWN-2
MWN-3
MWN-3D
MWN-3B
MWN-4
MWN-5D
MWN-5B
MWN-5A
MWN-6A

ELEVATIONS IN FEET

630
620
610
600
590
580
570
560
550
540
530
520
510
500

ROAD
APPROX GRADE
STOCK PILE AREA

571.25(2)
571.26(2B)
570.69(2D)
570.81
569.6(3D)
571.69(3B)
570.27
569.43 (5B)
570.89(5D)
570.38 (5A)
570.59
LAKE ERIE WATER LEVEL 570.47

FILL
SILTY CLAY
PEAT
SAND
CLAYEY SILT
TILL
SHALE ROCK

Legend:
570.59 WATER LEVEL (11/20/01)
WELL SEAL
UNDISTURBED SAMPLE
WELL SCREEN
POROUS INTAKE
ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'
VERTICAL SCALE: 1"= 20'
400' 0 400'
HORIZONTAL SCALE: 1"= 400'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION C-C' (NORTH)

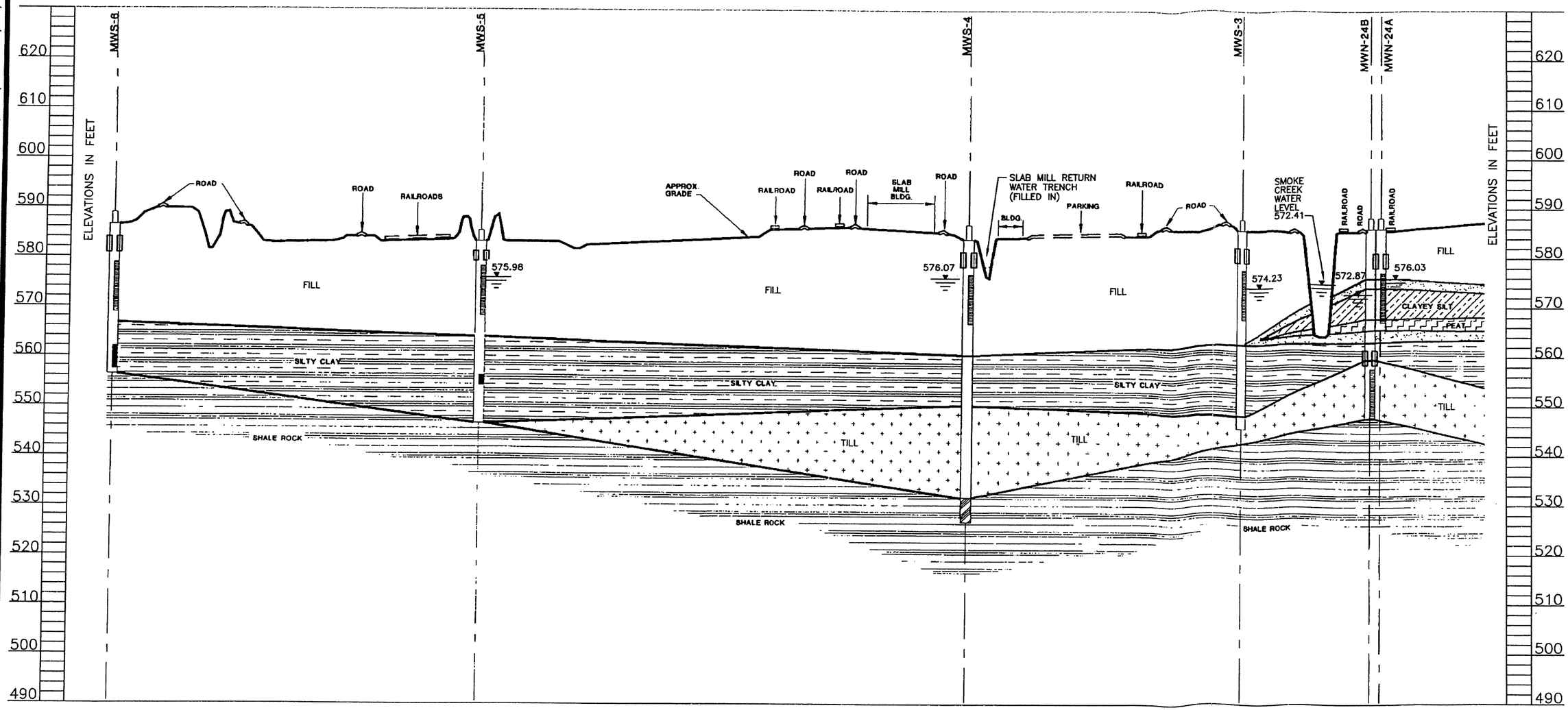
URS

FIGURE 2-27

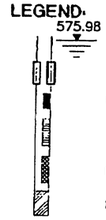
CC-7184

N:\11172630\CAD\ 1=1 12/12/02-4 BJG

D
SOUTH



LEGEND:



WATER LEVEL (11/20/01)
WELL SEAL
UNDISTURBED SAMPLE
WELL SCREEN
POROUS INTAKE
ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'
VERTICAL SCALE: 1"= 20'

400' 0 400'
HORIZONTAL SCALE: 1"= 400'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION D-D' (SOUTH)

URS

FIGURE 2-28

CC-7185

N:\11172630\CAD\ 1=1 12/12/02-4 BJG

D'

NORTH

ELEVATIONS IN FEET

620 610 600 590 580 570 560 550 540 530 520 510 500 490

MWN-19A MWN-19B MWN-21A MWN-21C MWN-21B MWN-51A MWN-51B MWN-25D MWN-25A MWN-25B MWN-50A MWN-50B MWN-18A

RAILROAD ROAD RAILROAD PARKING

FILL FILL

577.33 575.26 576.63(A) 576.41(C) 574.91(B) 574.65 575.37 575.36(A) 575.4(D) 575.32(B) 573.73 573.33

CLAYEY SILT SAND PEAT SAND PEAT SAND SAND

CLAYEY SILT

SILTY CLAY SILTY CLAY

TILL TILL

LIMESTONE

SHALE ROCK SHALE ROCK SHALE ROCK

LEGEND:

575.26 WATER LEVEL (11/20/01)

WELL SEAL

UNDISTURBED SAMPLE

WELL SCREEN

POROUS INTAKE

ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'

VERTICAL SCALE: 1"= 20'

400' 0 400'

HORIZONTAL SCALE: 1"= 400'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION D-D' (NORTH)

URS

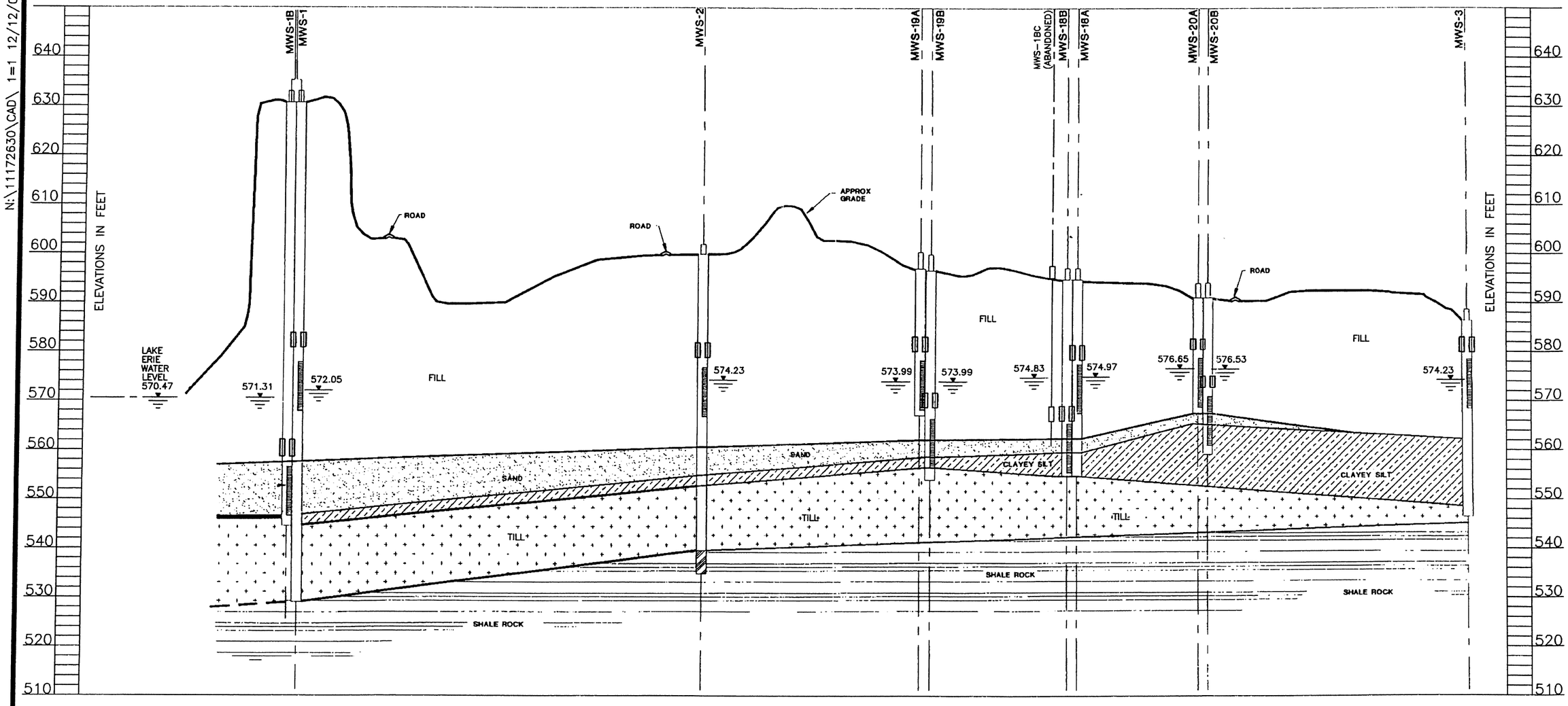
FIGURE 2-29

CC-7150

N:\11172630\CAD\ 1=1 12/12/02-4 BJG

E
WEST

E'
EAST



LEGEND:

572.05 WATER LEVEL (11/20/01)

WELL SEAL

UNDISTURBED SAMPLE

WELL SCREEN

POROUS INTAKE

ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'

VERTICAL SCALE: 1"= 20'

200' 0 200'

HORIZONTAL SCALE: 1"= 200'

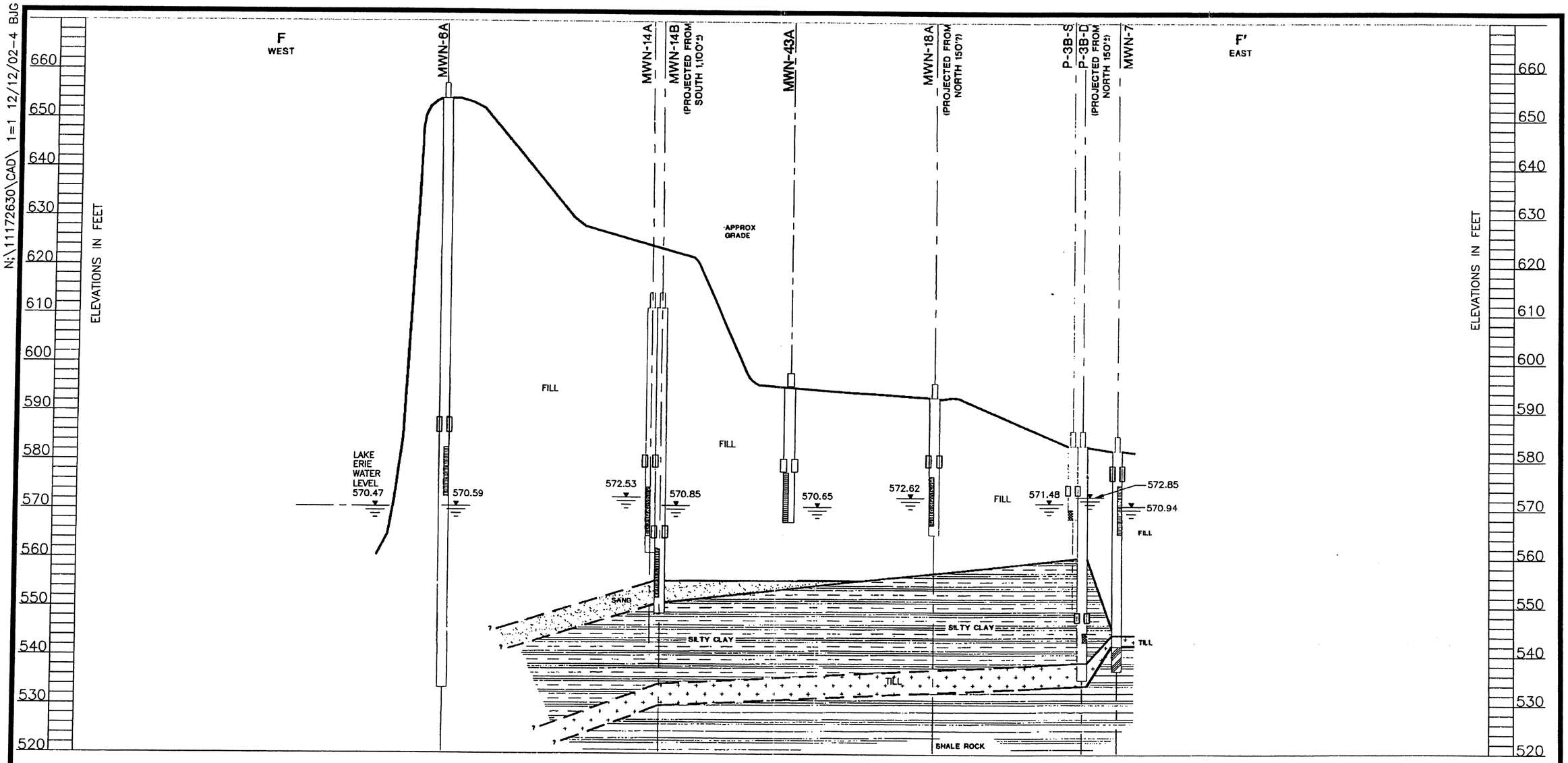
BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION E-E'

URS

FIGURE 2-30

CC-7178

N:\11172630\CAD\ 1=1 12/12/02-4 BJG



LEGEND:

570.85 WATER LEVEL (11/20/01)

WELL SEAL

UNDISTURBED SAMPLE

WELL SCREEN

POROUS INTAKE

ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'

VERTICAL SCALE: 1"= 20'

400' 0 400'

HORIZONTAL SCALE: 1"= 400'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION F-F'

URS

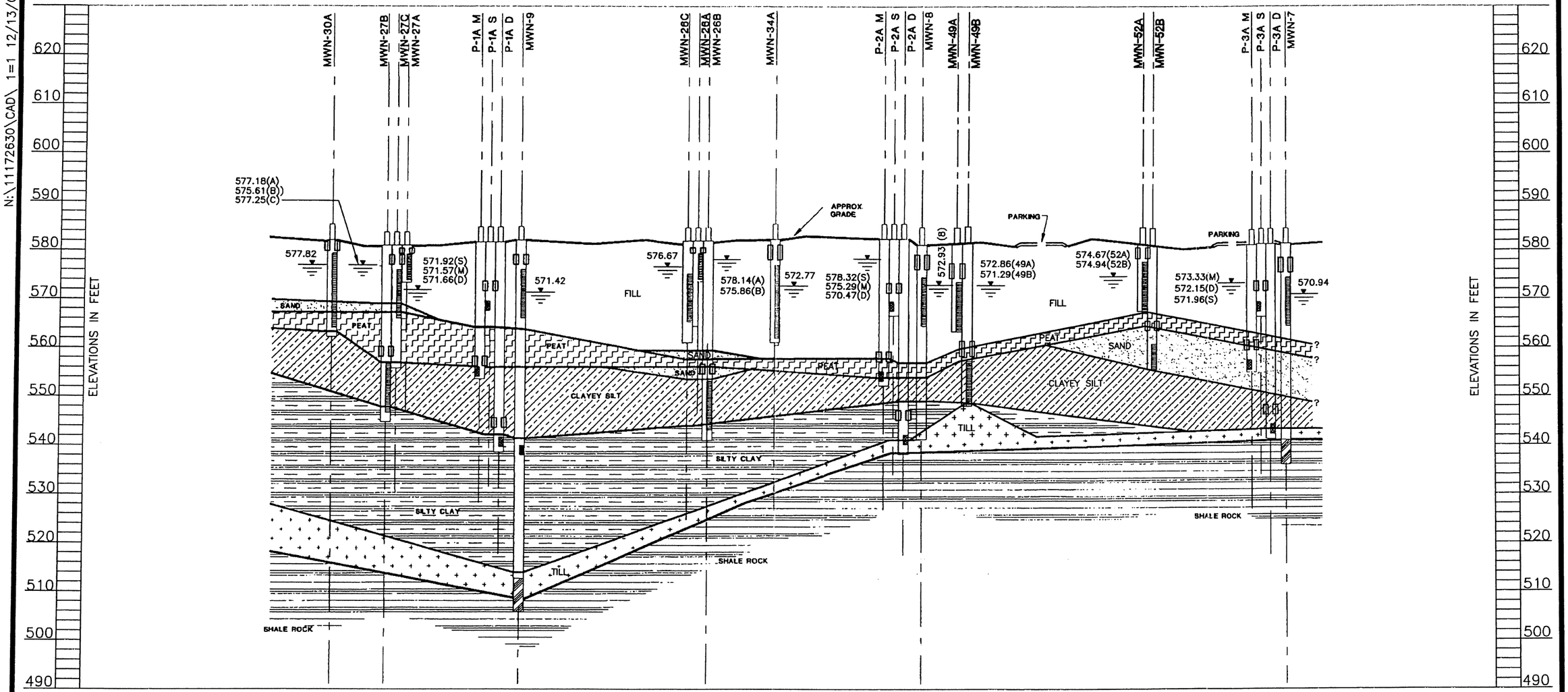
FIGURE 2-31

CC-7180

N:\11172630\CAD\ 1=1 12/13/02-4 BJG

G

G'



LEGEND:

576.67 WATER LEVEL (11/20/01)

WELL SEAL

UNDISTURBED SAMPLE

WELL SCREEN

POROUS INTAKE

ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'

VERTICAL SCALE: 1"= 20'

400' 0 400'

HORIZONTAL SCALE: 1"= 400'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION G-G'

URS

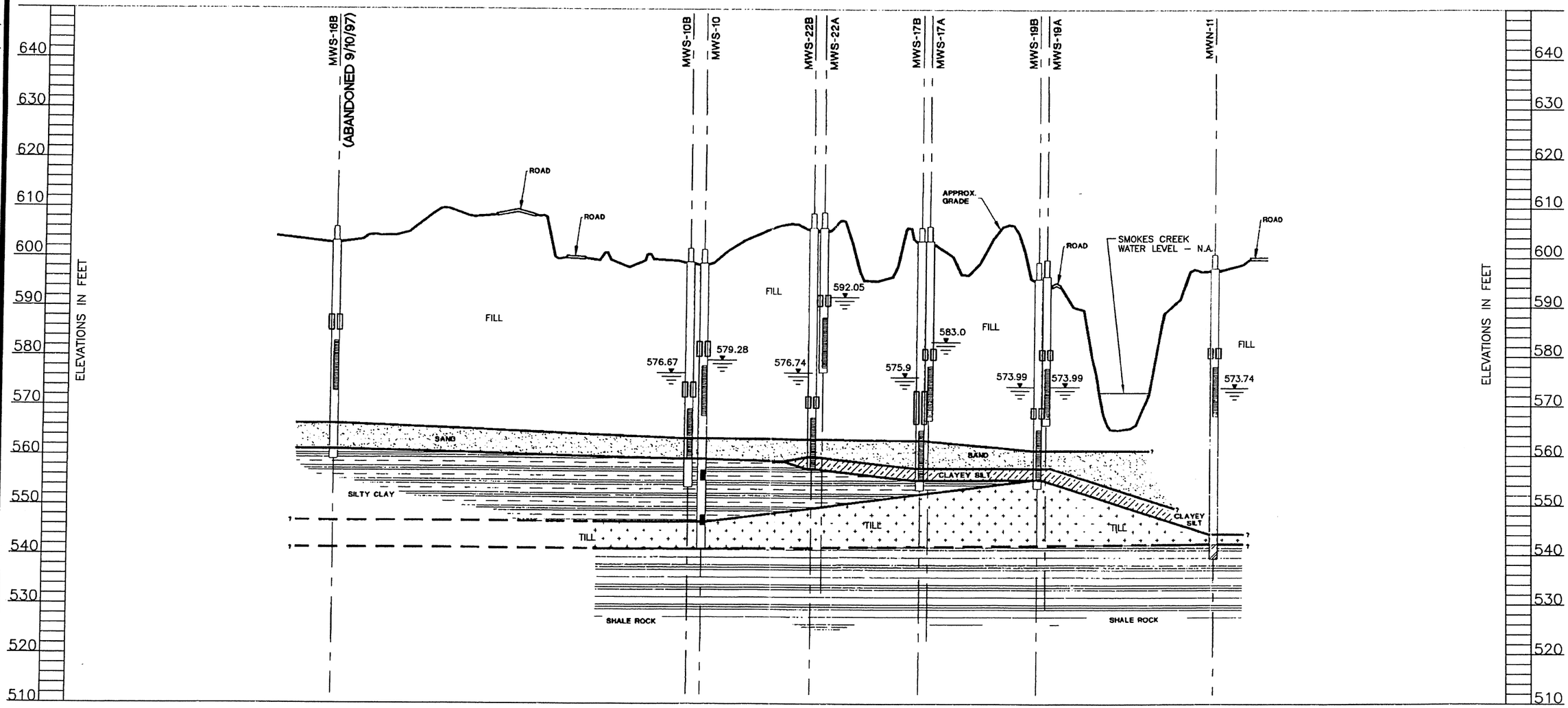
FIGURE 2-32

CC-7186

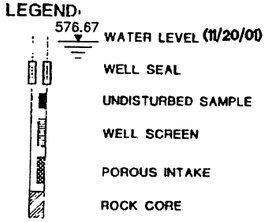
N:\11172630\CAD\ 1=1 2/13/03-5 RAL

H
SOUTH

H'
NORTH

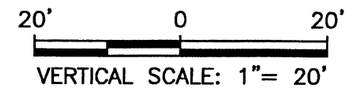


LEGEND:



NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.



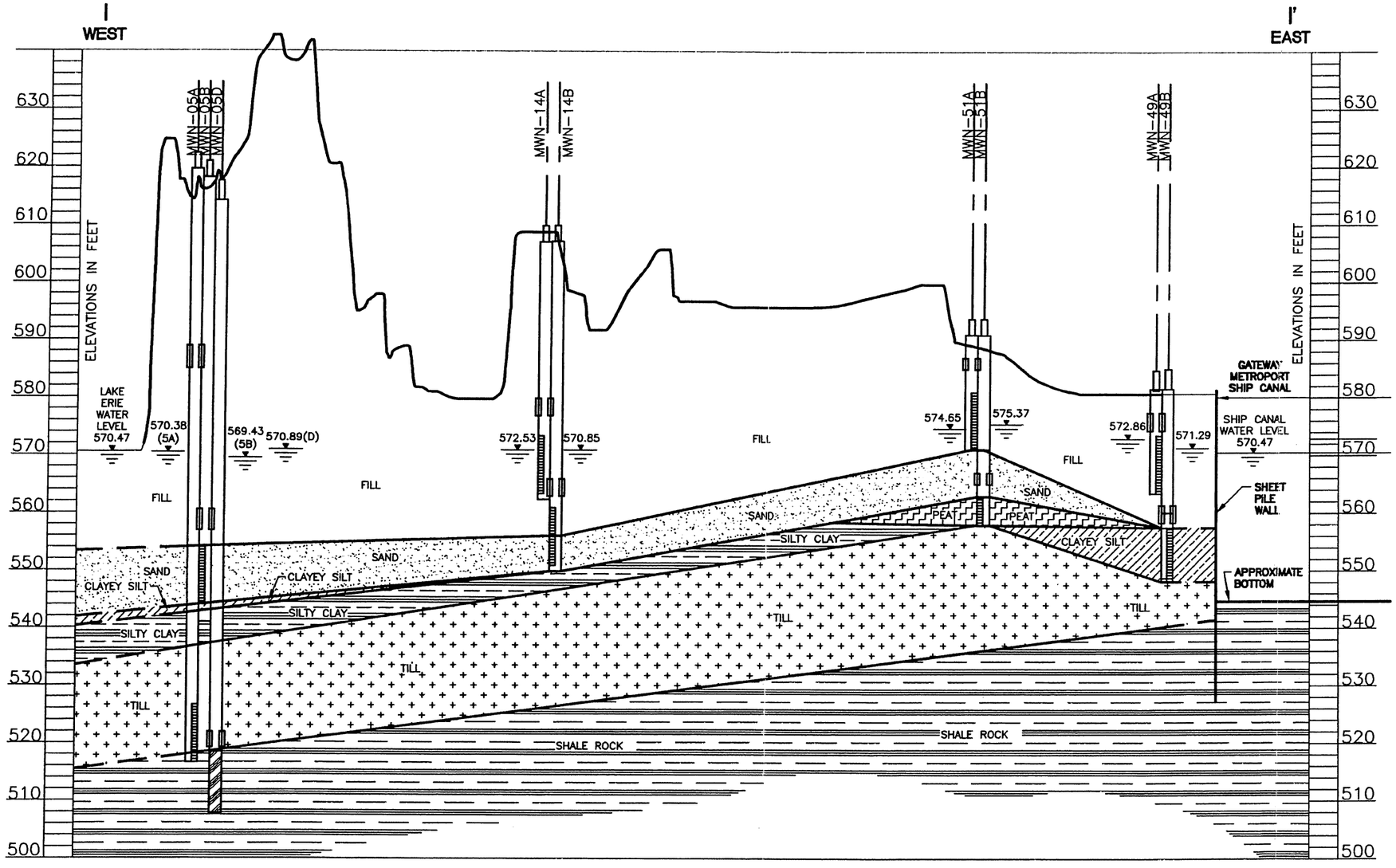
BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION H-H'

URS

FIGURE 2-33

CC-7187

N:\11172630\CAD\ 1=1 L /04-1 PAL



Legend:

570.59 WATER LEVEL (11/20/01)

WELL SEAL

UNDISTURBED SAMPLE

WELL SCREEN

POROUS INTAKE

ROCK CORE

NOTES:

1. FOR DETAIL OF LITHOLOGY, SEE FIGURE 2-23.
2. THE DEPTH AND THICKNESS OF THE STRATA INDICATED ON THE SUBSURFACE SECTION WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT THE CONDITIONS SHOWN MAY VARY FROM THOSE INDICATED.

20' 0 20'

VERTICAL SCALE: 1"= 20'

400' 0 400'

HORIZONTAL SCALE: 1"= 400'

BETHLEHEM STEEL CORPORATION
LACKAWANNA, NEW YORK
CROSS SECTION I-I'

URS

FIGURE 2-33A

CC-761L

TABLE 2-2
SAMPLING DATES FOR ALL WELLS USED IN RFI
BETHLEHEM STEEL CORPORATION - LACKAWANNA, NEW YORK

	RFI Wells - North of Smokes Creek																		
Sample Date	MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-02D	MWN-03	MWN-03B	MWN-03D	MWN-04	MWN-05A	MWN-05B	MWN-05D	MWN-06A	MWN-07	MWN-08	MWN-09	MWN-10	MWN-11	MWN-13A
1/91	1		1			2			1	1				1	1	2	1	1	1
2/91													1						
4/91	1		1			1			1	1			1	1	2	1	1	1	1
7/91	2		1			2			1	1			1	1	1	1	1	1	1
10/91	2		1			1			1	1			1	1	1	2	1	2	1
1/92	2		1			1			1	1			1	1	1	2	1	1	1
12/92	1	1	1	1		1	1		1	1	1		1	1	1	1	1	2	1
11/93																2			
4/94																			
5/94																			
6/94																			
7/94																			
8/94								1											
10/94																		2	
1/95		2**		2**			1	2**			2**								
2/95																			
5/95																			
8/95					1							1							
9/95												1							
11/95																			
4/96																			
11/96																			
5/97			2***	2***		4***	2***		2***	4***	2***					1***	2***		1***
11/97																			
4/98																			
10/98																			
4/99																			
11/99	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
4/00																			
10/00																			
12/00																			
4/01																			
10/01																			

TABLE 2-3

SUMMARY OF MONITORING WELLS-PHASE I
BETHLEHEM STEEL CORPORATION-LACKAWANNA, NEW YORK

WELL	PURPOSE
NORTH AREA	
MWN-01	to determine hydraulic head next to Smokes Creek.
MWN-02	lakeshore well to monitor groundwater quality downgradient of SWMU S-10 and the Tank Farm Area (SWMUs P-74 and P-75).
MWN-03	lakefront well to establish groundwater quality southwest of the recently closed Tar Sludge Impoundment (SWMU S-13) in HWM-1 and the potential limits of any contaminant plume that may have resulted from that unit. Downgradient of the Tank Farm, and SWMUs S-12 and S-29.
MWN-04	lakefront well downgradient of the Lime Stabilized Spent Pickle Liquor Sludge Landfill (SWMU S-16) in HWM-1 and including SWMUs S-17, S-18, and S-23. This well was used to evaluate potential discharges from HWM-1, in conjunction with MWN-12 and the five existing monitoring wells around HWM-1.
MWN-05A (MWN-05)	lakefront well sited to evaluate possible discharges from the SWMUs in Zone 5 including SWMUs S-14 and S-18. MWN-05A was installed to replace MWN-05 which did not sufficiently screen the water table.
MWN-06A (MWN-06)	same as above, but particularly to evaluate groundwater quality downgradient of SWMU S-14. MWN-06A was installed to replace MWN-06 which did not sufficiently screen the water table.
MWN-07	to evaluate impact of SWMU S-26 and the quality of groundwater at the north end of the coke ovens.
MWN-08	sited along the Ship Canal to monitor groundwater quality downgradient of SWMUs P-3, P-6, P-7, P-9, and P-10.
MWN-09	equipped with a continuous groundwater level monitoring station with an adjoining stilling well in the Ship Canal similarly equipped. Downgradient of SWMUs P-5, P-11, and P-12. Also to establish groundwater quality in an area at the south end of the coke oven area.
MWN-10	to determine hydraulic head in an area close to the South Return Water Trench. Also to establish groundwater quality downgradient of SWMUs P-8, P-74, and P-75.
MWN-11	downgradient of SWMUs S-24 and the Tank Farm (SWMUs P-74, P-75) to assess groundwater gradient towards Smokes Creek.
MWN-12	new upgradient well for the Lime Stabilized Spent Pickle Liquor Sludge Landfill (SWMU S-16) in HWM-1 to assess water table gradient and water quality in this area. Also downgradient of SWMU S-17.
MWN-13A (MWN-13B) MWN-13C	a pair of wells initially, "A" screened across the water table and equipped with a continuous water level recorder to evaluate impacts from rainfall events resulting in recharge; "B" screened in the bottom ten feet of the fill unit, two feet above the clay-silt aquitard. Head differences between "A" and "B" used to provide probable maximum vertical hydraulic gradient within the slag fill unit. Located to provide horizontal hydraulic gradient data from the slag fill interior to peripheral wells, and to provide groundwater quality data outside the immediate vicinity of any SWMUs. MWN-13C installed to replace MWN-13B which was not constructed according to specifications.

TABLE 2-6

SUMMARY OF MONITORING WELLS AND PIEZOMETERS-PHASE II-A
BETHLEHEM STEEL CORPORATION-LACKAWANNA, NEW YORK

WELL	PURPOSE
NORTH AREA WELLS	
MWN-1B	Deep well screened in the sand unit and paired with existing well MWN-1; evaluate groundwater quality in the sand unit along the lake shoreline.
MWN-2B	Deep well screened in the sand unit and paired with existing well MWN-2; evaluate groundwater quality in the sand unit along the lake shoreline.
MWN-3B	Deep well screened in the sand unit and paired with existing well MWN-3; evaluate groundwater quality in the sand unit along the lake shoreline.
MWN-5B	Deep well screened in the sand unit and paired with existing well MWN-5; evaluate groundwater quality in the sand unit along the lake shoreline.
MWN-14A/ MWN-14B	Well pair located upgradient of Zone 5 and downgradient of SWMU S-19. "A" well screened in the fill and the "B" well screened in the sand. Used to measure groundwater elevation and determine groundwater flow and direction in coal pile area. Evaluate groundwater quality in the fill and sand units and identify potential source(s) of contamination upgradient of Zone 5.
MWN-15A/ MWN-15B	Well pair located upgradient of Zone 4 and downgradient of the Coke Oven Process Area. "A" well screened in the fill and the "B" well screened in the sand. Used to measure groundwater elevations and determine groundwater flow and direction in coal pile area. Evaluate groundwater quality in the fill and sand units and provide data for characterization of SWMUs within the Coke Oven Process Area (P-12, P-11, and P-5). Identify potential source(s) of contamination upgradient of Zone 4.
MWN-16A/ MWN-16B	Well pair located upgradient of Zone 3 and downgradient of SWMUs P-74 and P-75 (Tank Farm). "A" well screened in the fill and the "B" well screened in the sand. Evaluate groundwater quality in the fill and sand units and identify potential source(s) of contamination upgradient of Zone 3. Data will be used to characterize SWMUs P-74 and P-75 in terms of impacts to groundwater.
MWN-17A/ MWN-17B	Well pair located upgradient of Smokes Creek and downgradient of SWMUs P-74 and P-75 (Tank Farm). "A" well screened in the fill and the "B" well screened in the sand. Evaluate groundwater quality in the fill and sand units and identify potential source(s) of contamination upgradient of Smokes Creek and MWN-11. Data will be used to characterize SWMUs P-74 and P-75 in terms of impacts to groundwater.
MWN-18A/ MWN-18B	Well pair located upgradient of Zone 5 and downgradient of the Coke Oven Process Area. "A" well screened in the fill and the "B" well screened in the sand. Used to measure groundwater elevations and determine groundwater flow and direction in coal pile area. Evaluate groundwater quality in the fill and sand units and provide data for characterization of SWMUs within the Coke Oven Process Area (P-3, P-4, and P-9).

TABLE 2-7

SUMMARY OF GROUNDWATER MONITORING WELLS-PHASE II-B
BETHLEHEM STEEL CORPORATION-LACKAWANNA, NEW YORK

WELL	PURPOSE
NORTH AREA WELLS	
MWN-3D	Bedrock well paired with well cluster MWN-3 and MWN-3; evaluate groundwater quality in the bedrock unit downgradient of site.
MWN-19A/MWN-19B	Well pair located upgradient of the Tank Farm area; evaluate groundwater quality and provide groundwater elevation data in this area.
MWN-20A/MWN-20B	Well pair located northwest of the Tank Farm area, upgradient of SFA Zones 3 and 4; used to better define extent of contaminant plume apparently emanating from the Coke Oven Area.
MWN-21A/MWN-21B	Well pair located southwest of the Coke Ovens and west of the Benzol Yard; gain a better understanding of the Benzol Yard; confirm the Benzol Yard area as a principal source of the contaminant plume extending westward from this area and provide groundwater elevation data in this area.
MWN-22B	Well screened in the sand unit to evaluate groundwater quality in the sand unit downgradient of SWMU S-10.
MWN-23B	Deep well screened in the sand unit; evaluate groundwater quality in the sand unit south of SWMU S-10 and contaminant movement along Smokes Creek.
MWN-24A/MWN-24B	Well pair between SWMU S-24 and Smokes Creek; evaluate groundwater quality in probable downgradient direction from SWMU S-24; help define flow conditions in this area.
MWN-25A/MWN-25B	Well pair located west of the Coke Oven Area; better define the width and extent of contaminant plume in the vicinity of the Coke Oven Area.
MWN-26A/MWN-26B	Well Pair located between MWN-9 and MWN-8 along the Ship Canal to define groundwater quality in this area; assess potential presence of NAPLs
MWN-27A/MWN-27B	Well pair located near south end of Ship Canal to better define groundwater quality in this area; assess presence of NAPLs.
SOUTH AREA WELLS	
MW-2D2D	Bedrock well paired with well cluster MW-2D2/2D2B; evaluate groundwater quality in bedrock unit downgradient of the site.
MWS-17A/MWS-17B	Well pair northwest of SWMUs S-11 and S-22; evaluate groundwater quality and hydrology of the area.
MWS-18A/MWS-18B	Well pair; evaluate groundwater quality and elevation between SWMU S-22 and Smokes Creek.

Table 2-11 (Continued)

ZONE 4

MWN-5D	Bedrock well located adjacent to existing well pair MWN-5A/B; to evaluate the groundwater quality and provide groundwater elevation data in Zone 4.

COKE OVEN AREA

MWN-15D	Bedrock well located adjacent to existing well pair MWN-15A/B; to evaluate the groundwater quality and provide groundwater elevation data in the Coke Oven Area.
MWN-25D	Bedrock well located adjacent to existing well pair MWN-25A/B; to evaluate the groundwater quality and provide groundwater elevation data in the Coke Oven Area.
MWN-30A	Shallow well screened in the fill unit south of existing well pair MWN-27A/B; to evaluate groundwater quality and provide groundwater elevation data in this area.
MWN-31A	Shallow well screened in the fill unit southeast of SWMU P-11 and west of existing well pair MWN-27A/B; to evaluate groundwater quality and provide groundwater elevation data in this area.
MWN-32A	Shallow well screened in the fill unit west of SWMU P-11; to evaluate groundwater quality and provide groundwater elevation data in this area.
MWN-33A	Shallow well screened in the fill unit southwest of existing well pair MWN-26A/B; to evaluate groundwater quality and provide groundwater elevation data in this area.
MWN-34A	Shallow well screened in the fill unit northeast of existing well pair MWN-26A/B; used to evaluate groundwater quality and provide groundwater elevation data in this area.

PIEZOMETERS

P-10S	Piezometer screened in the fill unit north of SWMU P-5 in the Coke Oven Area.
P-11S	Piezometer screened in the fill unit south of SWMU P-4 in the Coke Oven Area.
P-12S	Piezometer screened in the fill unit southwest of existing monitoring well MWN-8 in the Coke Oven Area.
P-13S	Piezometer screened in the fill unit northwest of existing monitoring well pari MWN-26A/B in the Coke Oven Area.
P-14S	Piezometer screened in the fill unit west of existing monitoring well pair MWN-26A/B in the Coke Oven Area.
P-15S	Piezometer screened in the fill unit southwest of existing monitoring well pair MWN-26A/B in the Coke Oven Area.

TABLE 2-16

SUMMARY OF ELEVATIONS OF STRATIGRAPHIC UNITS
BETHLEHEM STEEL CORPORATION - LACKAWANNA, NEW YORK

Elevation in Feet (MSL)

Location	Ground Elevation	Top of Sand	Top of Peat	Top of Clayey Silt	Top of Silty Clay	Top of Till	Top of Bedrock
Monitoring Wells North							
MWN-01	582.99	-	-	552.99	545.99	-	527.99
MWN-01B	583.79	-	-	556.29	-	-	-
MWN-02	598.89	-	-	-	542.89	530.89	525.89
MWN-02B	599.00	553.50	-	-	542.50	-	-
MWN-02D	599.51	551.51	-	-	541.51	532.51	529.01
MWN-03	609.79	542.79	-	-	529.79	510.19	505.09
MWN-03B*	609.57	544.57	548.57	-	552.07/539.17	-	-
MWN-03D*	609.83	546.83	-	-	549.83/539.83	513.33	510.53
MWN-04*	621.02	561.02/541.02	-	549.52	536.02	526.02	504.02
MWN-05A	620.22	-	-	-	-	-	-
MWN-05B	617.85	568.35	-	-	541.35	-	-
MWN-05D	614.07	554.07	-	544.07	543.07	537.07	518.57
MWN-06A	652.21	-	-	-	-	-	-
MWN-07	581.67	-	-	-	-	-	541.67
MWN-08	582.00	-	-	554.00	-	-	542.50
MWN-09	582.29	-	-	NR	-	513.29	508.29
MWN-10	582.96	-	-	561.46	-	-	529.96
MWN-11	597.80	-	-	-	-	543.40	542.80
MWN-12	606.71	541.71	-	-	-	521.71	505.71
MWN-13A	605.37	-	-	-	-	-	-
MWN-13B	605.15	545.15	-	537.15	-	-	505.15
MWN-13C	605.29	-	-	-	-	-	-
MWN-14A	609.78	-	-	-	-	-	-
MWN-14B	609.84	554.34	-	-	549.84	-	-
MWN-15A	589.67	-	-	-	-	-	-
MWN-15B	590.67	563.67	560.67	-	556.67	-	-
MWN-15D	591.04	563.04	561.04	557.04	541.04	508.04	495.04
MWN-16A	600.23	-	-	-	-	-	-
MWN-16B	600.40	-	-	-	-	545.40	-
MWN-17A	594.96	-	-	-	-	-	-
MWN-17B	594.88	563.88	-	-	-	-	557.88
MWN-18A	592.71	-	-	-	-	-	-
MWN-19A	582.64	570.14	568.64	-	566.64	-	-
MWN-19B	582.38	569.88	567.88	-	556.88	-	-
MWN-20A	599.86	-	-	-	-	-	-
MWN-20B	599.67	-	-	-	545.67	-	-
MWN-21A	581.83	-	-	-	-	-	-
MWN-21B	581.86	569.86	565.86	556.86	541.86	-	-
MWN-21C	582.03	-	-	-	559.53	-	-
MWN-22B	609.96	557.96	-	-	547.96	-	-
MWN-23B	596.25	556.25	549.25	547.25	-	544.75	-

TABLE 2-18
SUMMARY OF VERTICAL HYDRAULIC GRADIENTS
BETHLEHEM STEEL CORPORATION-LACKAWANNA, NEW YORK

Point 1	Point 2	Vertical Dist. (Ft)	Point 1 Water Level (Ft)	Point 2 Water Level (Ft)	Head Difference (Ft)	Gradient (Ft/Ft)	Direction
Gradients calculated from water level data from November28, 2001							
MWN-01	MWN-01B	11.20	571.24	571.49	-0.25	-2.23E-02	Up
MWN-02	MWN-02B	22.39	571.25	571.26	-0.01	-4.47E-04	Up
MWN-05A	MWN-05D	55.15	570.38	570.89	-0.51	-9.25E-03	Up
MWN-05B	MWN-05D	34.28	569.43	570.89	-1.46	-4.26E-02	Up
MWN-15A	MWN-15B	9.50	574.91	576.02	-1.11	-1.17E-01	Up
MWN-16A	MWN-16B	22.83	573.27	573.37	-0.10	-4.38E-03	Up
MWN-51A	MWN-51B	15.48	574.65	575.37	-0.72	-4.65E-02	Up
MWN-52A	MWN-52B	14.48	574.67	574.94	-0.27	-1.87E-02	Up
MWS-14	MWS-14B	13.08	574.84	575.94	-1.10	-8.41E-02	Up
P-1A-M	P-1A-D	15.03	571.57	571.66	-0.09	-5.99E-03	Up
P-1B-M	P-1B-D	13.28	570.61	571.29	-0.68	-5.12E-02	Up
P-2B-M	P-2B-D	6.03	571.82	572.57	-0.75	-1.24E-01	Up
P-2B-S	P-2B-M	18.97	569.91	571.82	-1.91	-1.01E-01	Up
P-2B-S	P-2B-D	25.00	569.91	572.57	-2.66	-1.06E-01	Up
P-31M	P-31D	13.00	570.70	571.33	-0.63	-4.85E-02	Up
P-31S	P-31M	15.00	570.58	570.70	-0.12	-8.00E-03	Up
P-31S	P-31D	28.00	570.58	571.33	-0.75	-2.68E-02	Up
P-3A-S	P-3A-M	11.58	571.96	573.33	-1.37	-1.18E-01	Up
P-3A-S	P-3A-D	25.00	571.96	572.15	-0.19	-7.60E-03	Up
P-3B-M	P-3B-D	19.15	571.62	572.85	-1.23	-6.42E-02	Up
P-3B-S	P-3B-M	6.85	571.48	571.62	-0.14	-2.04E-02	Up
P-3B-S	P-3B-D	26.00	571.48	572.85	-1.37	-5.27E-02	Up
P-6S	P-6D	15.00	570.01	570.54	-0.53	-3.53E-02	Up
P-7S	P-7D	30.00	570.94	571.65	-0.71	-2.37E-02	Up
P-8S	P-8D	24.00	572.62	572.98	-0.36	-1.50E-02	Up
MWS-19A	MWS-19B	11.68	573.99	573.99	0.00	0.00E+00	Neutral
MW-2D2	MW-2D2B	20.72	571.75	571.13	0.62	2.99E-02	Down
MW-2D2	MW-2D2D	47.18	571.75	569.96	1.79	3.79E-02	Down
MW-2D2B	MW-2D2D	26.40	571.13	569.96	1.17	4.43E-02	Down
MW-6A	MW-6B	12.96	576.26	576.19	0.07	5.40E-03	Down
MW-7A	MW-7B	10.90	577.64	571.84	5.80	5.32E-01	Down
MW-8A	MW-8B	53.58	583.14	572.40	10.74	2.00E-01	Down
MWN-02	MWN-02D	47.38	571.25	570.69	0.56	1.18E-02	Down
MWN-02B	MWN-02D	24.99	571.26	570.69	0.57	2.28E-02	Down
MWN-03	MWN-03B	21.22	570.81	570.69	0.12	5.66E-03	Down
MWN-03	MWN-3D	71.46	570.81	569.60	1.21	1.69E-02	Down
MWN-03B	MWN-3D	50.24	570.69	569.60	1.09	2.17E-02	Down
MWN-05A	MWN-05B	20.87	570.38	569.43	0.95	4.55E-02	Down
MWN-13A	MWN-13C	34.08	575.47	575.43	0.04	1.17E-03	Down
MWN-14A	MWN-14B	12.44	572.53	570.85	1.68	1.35E-01	Down
MWN-15A	MWN-15D	82.13	574.91	572.51	2.40	2.92E-02	Down
MWN-15B	MWN-15D	72.63	576.02	572.51	3.51	4.83E-02	Down
MWN-17A	MWN-17B	10.08	574.92	573.27	1.65	1.64E-01	Down
MWN-19A	MWN-19B	10.26	577.33	575.26	2.07	2.02E-01	Down
MWN-20A	MWN-20B	22.19	573.29	573.21	0.08	3.61E-03	Down
MWN-21A	MWN-21B	28.97	578.29	576.75	1.54	5.32E-02	Down
MWN-24A	MWN-24B	19.93	576.03	572.87	3.16	1.59E-01	Down

Gradients calculated from water level data from November 28, 2001-New Surveyed Elevations (cont.)

TABLE 2-20

REPRESENTATIVE GROUNDWATER UNIT TEST RESULTS FOR RISING HEAD SLUG TESTS AND PUMP TESTS BETHLEHEM STEEL CORPORATION-LACKAWANNA, NEW YORK

Well No.	Unit	Horizontal Hydraulic Conductivity (K, cm/sec)		
		Bouwer & Rice Slug test*	Theis	Cooper-Jacob
MWS-05	Fill	4.42E-03	1.99E-03	
MWS-08	Fill			1.54E-02
MWS-09	Fill	2.74E-03		
MWS-12B	Fill		1.18E-03	
MWS-18A	Fill	5.12E-05		
MWS-22A	Fill	5.68E-05		
MWN-02	Fill			4.50E-01
MWN-04	Fill	1.69E-06	2.86E-04	
MWN-5A**	Fill			2.77E-02
MWN-6A**	Fill		2.35E-01	
MWN-13A	Fill	1.43E-05		
MWN-39A	Fill	2.19E-02		
MWN-16B	Fill			1.55E-04
MWN-05B	Sand		6.54E-05	
MWN-17B	Sand		4.92E-04	3.61E-04
MWN-52B	Sand	1.11E-02		
MWN-19B	Peat	2.49E-05		
MWN-21B	Clayey Silt	2.02E-05		
MWN-26B	Clayey Silt	8.63E-06		
MWN-27B	Clayey Silt	1.99E-05		
MWN-03D	Bedrock (SH)	3.69E-06		
MWN-05D	Bedrock (SH)	1.60E-04		
MWN-15D	Bedrock (SH)	1.91E-06		
MW-2D2D	Bedrock (SH)	3.02E-05		
MW-06B***	Bedrock (LS/SH)		2.90E-05	
MW-07B***	Bedrock (SH/LS)		6.60E-02	

	Hydraulic Conductivity (K, cm/sec)			
	Minimum	Maximum	Geometric Mean	Arithmetic Mean
Fill	1.69E-06	4.50E-01	1.35E-03	5.07E-02
Sand	6.54E-05	1.11E-02	5.99E-04	3.00E-03
Clayey Silt	8.63E-06	2.02E-05	1.51E-05	1.62E-05
Peat	2.49E-05	2.49E-05	2.49E-05	2.49E-05
Bedrock (1)	1.91E-06	1.60E-04	1.36E-05	4.90E-05
Bedrock (2)	1.91E-06	6.60E-02	6.34E-05	1.10E-02

Notes:

* - Except for MWN-15D, which was only analyzed by the Hvorslev Method (1951).

** - The results for the wells are considered to be order of magnitude estimates.

*** - These aquifer tests were performed during a 1981 study (see Appendix A.1).

(1) - Excluding results from 1981 tests.

(2) - Including results from 1981 tests

SH - Shale

LS - Limestone

FINAL RCRA FACILITY INVESTIGATION REPORT

Former Bethlehem Steel Corporation Facility
Lackawanna, New York

PART II - APPENDICES

Appendix F: Groundwater, Surface Water, Soil and Sediment Analytical Data

October 2004

Submitted by:
TECUMSEH REDEVELOPMENT, INC.
4020 Kinross Lakes Parkway
Richfield, Ohio 44286-9000

G3974J

GROUNDWATER

AQUEOUS

PHASE I

1ST ROUND

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-01	MWN-02	MWN-03	MWN-03	MWN-04
Sample ID		MWN-01	MWN-02	MWN-03	MWN-03 DUP	MWN-04
Lab Sample ID		BS-01	BS-02	BS-03	BS-38	BS-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	01/22/91	01/22/91	01/22/91	01/24/91
Parameter	Units				FIELD DUPLICATE (1-1)	
Volatile Organic Compounds						
Acrylonitrile	UG/L	100 U	50 U	50 U	50 U	50 U
Benzene	UG/L	34	9	41	41	5 U
Bromodichloromethane	UG/L	10 U	5 U	5 U	5 U	5 U
Bromoform	UG/L	10 U	5 U	5 U	5 U	5 U
Bromomethane	UG/L	20 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	10 U	5 U	5 U	5 U	5 U
Chlorobenzene	UG/L	10 U	5 U	5 U	5 U	5 U
Chloroethane	UG/L	20 U	10 U	10 U	10 U	10 U
2-Chloroethyl vinyl ether	UG/L	20 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	10 U	5 U	5 U	5 U	5 U
Chloromethane	UG/L	20 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	UG/L	10 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	UG/L	10 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	UG/L	10 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	UG/L	10 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	UG/L	10 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	UG/L	10 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	UG/L	10 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	UG/L	10 U	5 U	5 U	5 U	5 U
Ethylbenzene	UG/L	10 U	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	20 U	10 U	10 U	10 U	10 U
1,1,1,2-Tetrachloroethane	UG/L	10 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	5 U	5 U	5 U	5 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-01	MWN-02	MWN-03	MWN-03	MWN-04
Sample ID		MWN-01	MWN-02	MWN-03	MWN-03 DUP	MWN-04
Lab Sample ID		BS-01	BS-02	BS-03	BS-38	BS-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	01/22/91	01/22/91	01/22/91	01/24/91
Parameter	Units				FIELD DUPLICATE (1-1)	
Volatile Organic Compounds						
Tetrachloroethene	UG/L	10 U	5 U	5 U	5 U	5 U
Toluene	UG/L	23	4.8 J	15	18	5 U
1,1,1-Trichloroethane	UG/L	10 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	10 U	5 U	5 U	5 U	5 U
Trichloroethene	UG/L	10 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	UG/L	10 U	5 U	5 U	5 U	5 U
Vinyl chloride	UG/L	20 U	10 U	10 U	10 U	10 U
Xylenes, Total	UG/L	31	3.6 J	28	27	5 U
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	100 U	10 U	12	13	50 U
Anthracene	UG/L	100 U	10 U	10 U	10 U	50 U
Benzo(a)anthracene	UG/L	100 U	10 U	10 U	10 U	50 U
Benzo(a)pyrene	UG/L	100 U	10 U	10 U	10 U	50 U
Butyl benzyl phthalate	UG/L	100 U	10 U	10 U	10 U	50 U
4-Chloro-3-methylphenol	UG/L	100 U	10 U	10 U	10 U	50 U
bis(2-Chloroethyl)ether	UG/L	100 U	10 U	10 U	10 U	50 U
2-Chloronaphthalene	UG/L	100 U	10 U	10 U	10 U	50 U
Chrysene	UG/L	100 U	10 U	10 U	10 U	50 U
Di-n-butyl phthalate	UG/L	100 U	10 U	10 U	10 U	50 U
Di-n-octyl phthalate	UG/L	100 U	10 U	10 U	10 U	50 U
1,2-Dichlorobenzene	UG/L	100 U	10 U	10 U	10 U	50 U
1,3-Dichlorobenzene	UG/L	100 U	10 U	10 U	10 U	50 U
1,4-Dichlorobenzene	UG/L	100 U	10 U	10 U	10 U	50 U
2,4-Dichlorophenol	UG/L	100 U	10 U	10 U	10 U	50 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-01	MWN-02	MWN-03	MWN-03	MWN-04
Sample ID		MWN-01	MWN-02	MWN-03	MWN-03 DUP	MWN-04
Lab Sample ID		BS-01	BS-02	BS-03	BS-38	BS-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	01/22/91	01/22/91	01/22/91	01/24/91
Parameter	Units				FIELD DUPLICATE (1-1)	
Semivolatile Organic Compounds						
Diethyl phthalate	UG/L	100 U	10 U	10 U	10 U	50 U
Dimethyl phthalate	UG/L	100 U	10 U	10 U	10 U	50 U
2,4-Dimethylphenol	UG/L	100 U	10 U	10 U	10 U	50 U
4,6-Dinitro-2-methylphenol	UG/L	500 U	50 U	50 U	50 U	100 U
2,4-Dinitrotoluene	UG/L	100 U	10 U	10 U	10 U	50 U
2,6-Dinitrotoluene	UG/L	100 U	10 U	10 U	10 U	50 U
bis(2-Ethylhexyl)phthalate	UG/L	100 U	10 U	10 U	10 U	50 UJ
Fluoranthene	UG/L	100 U	10 U	10 U	10 U	50 U
Fluorene	UG/L	100 U	10 U	10 U	10 U	50 U
Hexachlorobenzene	UG/L	100 U	10 U	10 U	10 U	50 U
Hexachlorocyclobutadiene	UG/L	100 U	10 U	10 U	10 U	50 U
Hexachlorocyclopentadiene	UG/L	100 U	10 U	10 U	10 U	50 U
Hexachloroethane	UG/L	100 U	10 U	10 U	10 U	50 U
Isophorone	UG/L	100 U	10 U	10 U	10 U	50 U
2-Methylphenol	UG/L	100 U	83	130	10 U	50 U
3-Methylphenol	UG/L	100 U	10 U	10 U	10 U	50 U
4-Methylphenol	UG/L	100 U	10 U	10 U	10 U	50 U
Naphthalene	UG/L	600	76	85	85	50 U
Pentachlorophenol	UG/L	500 U	50 U	50 U	50 U	100 U
Phenanthrene	UG/L	160	27	16	17	50 U
Phenol	UG/L	100 U	9 J	150	150	50 U
Pyrene	UG/L	100 U	10 U	10 U	10 U	50 U
Pyridine	UG/L	100 U	10 U	10 U	10 U	50 U
2,3,4,6-Tetrachlorophenol	UG/L	500 U	50 U	50 U	50 U	100 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-01	MWN-02	MWN-03	MWN-03	MWN-04
Sample ID		MWN-01	MWN-02	MWN-03	MWN-03 DUP	MWN-04
Lab Sample ID		BS-01	BS-02	BS-03	BS-38	BS-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	01/22/91	01/22/91	01/22/91	01/24/91
Parameter	Units				FIELD DUPLICATE (1-1)	
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	100 U	10 U	10 U	10 U	50 U
2,4,5-Trichlorophenol	UG/L	100 U	10 U	10 U	10 U	50 U
2,4,6-Trichlorophenol	UG/L	100 U	10 U	10 U	10 U	50 U
Dissolved Metals						
Antimony -DISS	UG/L	60 U	60 U	60 U	60 U	60 U
Arsenic -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Barium -DISS	UG/L	200 U	200 U	400	400	200 U
Cadmium -DISS	UG/L	5 U	5 U	5 U	5 U	5 U
Calcium -DISS	UG/L	120,000 J	180,000 J	340,000 J	340,000 J	710,000 J
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	3 U	3 U	3 U	3 U	3 U
Mercury -DISS	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel -DISS	UG/L	40 U	40 U	40 U	40 U	40 U
Selenium -DISS	UG/L	25 U	7.9	16 J	8	25 UJ
Silver -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Sodium -DISS	UG/L	68,000 J	120,000 J	98,000 J	100,000 J	220,000 J
Thallium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	260	260	420	490	130
Chloride	MG/L	190	140	730	690	4,200
Cyanide	MG/L	0.05	0.02	0.010 U	0.010 U	0.010 U
pH Liquid	S.U.	11	12	12	12	11
Sulfate	MG/L	170	210	230	230	330
Total Organic Carbon	MG/L	10	11	10	10	13

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-01	MWN-02	MWN-03	MWN-03	MWN-04
Sample ID		MWN-01	MWN-02	MWN-03	MWN-03 DUP	MWN-04
Lab Sample ID		BS-01	BS-02	BS-03	BS-38	BS-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	01/22/91	01/22/91	01/22/91	01/24/91
Parameter	Units				FIELD DUPLICATE (1-1)	
General Chemistry Parameters						
Total Dissolved Solids	MG/L	700	930	1,500	1,500	5,800
Total Organic Halogens	MG/L	R	0.050 U	0.005 U	0.050 U	R
Total Recoverable Phenolics	MG/L	0.039	0.073	0.005 U	0.021	0.045

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Sample ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Lab Sample ID		BS-05	BS-06	BS-07	BS-08	BS-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	02/04/91	01/23/91	01/23/91	01/23/91
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	50 U	50 U	50 U	250 U	2,500 U
Benzene	UG/L	3 J	4.6 J	5 U	120	5,800
Bromodichloromethane	UG/L	5 U	5 U	5 U	25 U	250 U
Bromoform	UG/L	5 U	5 U	5 U	25 U	250 U
Bromomethane	UG/L	10 U	10 U	10 U	50 U	500 U
Carbon tetrachloride	UG/L	5 U	5 U	5 U	25 U	250 U
Chlorobenzene	UG/L	5 U	5 U	5 U	25 U	250 U
Chloroethane	UG/L	10 U	10 U	10 U	50 U	500 U
2-Chloroethyl vinyl ether	UG/L	10 U	10 U	10 UJ	50 U	500 U
Chloroform	UG/L	5 U	5 U	5 U	25 U	250 U
Chloromethane	UG/L	10 U	10 U	10 U	50 U	500 U
Dibromochloromethane	UG/L	5 U	5 U	5 U	25 U	250 U
Dichlorodifluoromethane	UG/L	5 U	5 U	5 U	25 U	250 U
1,1-Dichloroethane	UG/L	5 U	5 U	5 U	25 U	250 U
1,2-Dichloroethane	UG/L	5 U	5 U	5 U	25 U	250 U
1,1-Dichloroethene	UG/L	5 U	5 U	5 U	25 U	250 U
trans-1,2-Dichloroethene	UG/L	5 U	5 U	5 U	25 U	250 U
1,2-Dichloropropane	UG/L	5 U	5 U	5 U	25 U	250 U
cis-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	25 U	250 U
trans-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	25 U	250 U
Ethylbenzene	UG/L	5 U	5 U	5 U	270	250 U
Methylene chloride	UG/L	10 U	10 U	10 U	50 U	500 U
1,1,1,2-Tetrachloroethane	UG/L	5 U	5 U	5 U	25 U	250 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	5 U	5 U	25 U	250 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

(LOCID) = 'MW-1D1' OR (LOCID) = 'MW-1D2' OR (LOCID) = 'MW-1D3' OR (LOCID) = 'MW-1D4' OR (LOCID) = 'MW-1U1' OR (LOCID) = 'MW-2D2' OR (LOCID) = 'MW-2D3' OR (LOCID) = 'MW-2D4' OR (LOCID) = 'MW-2U1' OR (LOCID) = 'MWN-01' OR (LOCID) = 'MWN-02' OR (LOCID) = 'MWN-03' OR (LOCID) = 'MWN-04' OR (LOCID) = 'MWN-05A' OR (LOCID) = 'MWN-06A' OR (LOCID) =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Sample ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Lab Sample ID		BS-05	BS-06	BS-07	BS-08	BS-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	02/04/91	01/23/91	01/23/91	01/23/91
Parameter	**Units**					
Volatile Organic Compounds						
Tetrachloroethene	UG/L	5 U	5 U	5 U	25 U	250 U
Toluene	UG/L	4 J	5 U	5 U	26	250 U
1,1,1-Trichloroethane	UG/L	5 U	5 U	5 U	25 U	250 U
1,1,2-Trichloroethane	UG/L	5 U	5 U	5 U	25 U	250 U
Trichloroethene	UG/L	5 U	5 U	5 U	25 U	250 U
Trichlorofluoromethane	UG/L	5 U	5 U	5 U	25 U	250 U
Vinyl chloride	UG/L	10 U	10 U	10 U	50 U	500 U
Xylenes, Total	UG/L	5.5	10	5 U	2,600	250 U
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	10 U	10 U	50 U	50 U	20 U
Anthracene	UG/L	10 U	10 U	50 U	50 U	20 U
Benzo(a)anthracene	UG/L	10 U	10 U	50 U	50 U	20 U
Benzo(a)pyrene	UG/L	10 U	10 U	50 U	50 U	20 U
Butyl benzyl phthalate	UG/L	10 U	10 U	50 U	50 U	20 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	50 U	50 U	20 U
bis(2-Chloroethyl)ether	UG/L	10 U	10 U	50 U	50 U	20 U
2-Chloronaphthalene	UG/L	10 U	10 U	50 U	50 U	20 U
Chrysene	UG/L	10 U	10 U	50 U	50 U	20 U
Di-n-butyl phthalate	UG/L	10 U	10 U	50 U	50 U	20 U
Di-n-octyl phthalate	UG/L	10 U	10 U	50 U	50 U	20 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	50 U	50 U	20 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	50 U	50 U	20 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	50 U	50 U	20 U
2,4-Dichlorophenol	UG/L	10 U	10 U	50 U	50 U	20 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Sample ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Lab Sample ID		BS-05	BS-06	BS-07	BS-08	BS-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	02/04/91	01/23/91	01/23/91	01/23/91
Parameter	Units					
Semivolatile Organic Compounds						
Diethyl phthalate	UG/L	10 U	10 U	50 U	50 U	20 U
Dimethyl phthalate	UG/L	10 U	10 U	50 U	50 U	20 U
2,4-Dimethylphenol	UG/L	10 U	10 U	50 U	50 U	20 U
4,6-Dinitro-2-methylphenol	UG/L	50 U	50 U	100 U	100 U	100 U
2,4-Dinitrotoluene	UG/L	10 U	10 U	50 U	50 U	20 U
2,6-Dinitrotoluene	UG/L	10 U	10 U	50 U	50 U	20 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	10 U	50 U	50 UJ	20 U
Fluoranthene	UG/L	10 U	10 U	50 U	50 U	20 U
Fluorene	UG/L	10 U	11	50 U	50 U	20 U
Hexachlorobenzene	UG/L	10 U	10 U	50 U	50 U	20 U
Hexachlorocyclobutadiene	UG/L	10 U	10 U	50 U	50 U	20 U
Hexachlorocyclopentadiene	UG/L	10 U	10 U	50 U	50 U	20 U
Hexachloroethane	UG/L	10 U	10 U	50 U	50 U	20 U
Isophorone	UG/L	10 U	10 U	50 U	50 U	20 U
2-Methylphenol	UG/L	17	10 U	50 U	50 U	20 U
3-Methylphenol	UG/L	10 U	10 U	50 U	50 U	20 U
4-Methylphenol	UG/L	10 U	10 U	50 U	50 U	20 U
Naphthalene	UG/L	63	49	350	110	100
Pentachlorophenol	UG/L	50 U	50 U	100 U	100 U	100 U
Phenanthrene	UG/L	30	21	50 U	50 U	20 U
Phenol	UG/L	20	10 U	50 U	11	42
Pyrene	UG/L	10 U	10 U	50 U	50 U	20 U
Pyridine	UG/L	50 U	10 U	50 U	50 U	20 U
2,3,4,6-Tetrachlorophenol	UG/L	10 U	50 U	100 U	100 U	100 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Sample ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Lab Sample ID		BS-05	BS-06	BS-07	BS-08	BS-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	02/04/91	01/23/91	01/23/91	01/23/91
Parameter	Units					
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	10 U	10 U	50 U	50 U	20 U
2,4,5-Trichlorophenol	UG/L	10 U	10 U	50 U	50 U	20 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	50 U	50 U	20 U
Dissolved Metals						
Antimony -DISS	UG/L	60 U	60 U	60 U	60 U	60 U
Arsenic -DISS	UG/L	10 U	10 UJ	10 U	10 U	10 U
Barium -DISS	UG/L	260	200 U	200 U	200 U	200 U
Cadmium -DISS	UG/L	5 U	5 U	5 U	5 U	5 U
Calcium -DISS	UG/L	730,000 J	470,000	140,000 J	200,000 J	120,000 J
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	4.8	3 U	3 U	3 U	3 U
Mercury -DISS	UG/L	0.2 U	0.2 U	0.2	0.2 U	0.2 U
Nickel -DISS	UG/L	40 U	40 U	40 U	40 U	40 U
Selenium -DISS	UG/L	25 UJ	R	25 U	25 U	5 U
Silver -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Sodium -DISS	UG/L	120,000 J	120,000	250,000 J	160,000 J	36,000 J
Thallium -DISS	UG/L	10 U	50 UJ,n	10 U	10 U	10 U
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	1,500	1,300	320	260	270
Chloride	MG/L	1,400	180	340	260	180
Cyanide	MG/L	0.1	0.010 U	0.03	0.010 U	0.46
pH Liquid	S.U	12	12	12	7.6	7.6
Sulfate	MG/L	210	140	160	250	80
Total Organic Carbon	MG/L	11	9.3	3.2	11	18

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 1ST ROUND (JANUARY 1991)
GROUNDWATER

Location ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Sample ID		MWN-05A	MWN-06A	MWN-07	MWN-08	MWN-09
Lab Sample ID		BS-05	BS-06	BS-07	BS-08	BS-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/22/91	02/04/91	01/23/91	01/23/91	01/23/91
Parameter	Units					
General Chemistry Parameters						
Total Dissolved Solids	MG/L	2,300	1,700	1,200	1,100	490
Total Organic Halogens	MG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.055	0.025	0.006	0.018	0.034

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

GROUNDWATER

AQUEOUS

PHASE I

2ND, 3RD, AND 4TH ROUND

PHASE I - 2nd, 3rd AND 4th ROUNDS (APRIL THROUGH OCTOBER 1991)
GROUNDWATER

Location ID		MWN-01	MWN-01	MWN-01	MWN-01	MWN-01
Sample ID		MWN-01	MWN-01	MWN-01 DUP	MWN-01	MWN-01 DUP
Lab Sample ID		BS-70	BS-1	BS-3	BSC-4-10	BSC-4-12
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/23/91	07/10/91	07/10/91	10/10/91	10/10/91
Parameter	Units			FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)
Volatile Organic Compounds						
Benzene	UG/L	30 J	19	36	31	32
Semivolatile Organic Compounds						
Naphthalene	UG/L	680	500	500	330	470
Dissolved Metals						
Calcium -DISS	UG/L	140,000	130,000	130,000	140,000	140,000
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	3 U	30.0 U	30.0 U	3.0 U	30 U
Potassium -DISS	UG/L	39,000	36,000	36,000	47,000	47,000
Sodium -DISS	UG/L	65,000	66,000	67,000	81,000	82,000
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	140	170	160	180	170
Carbonate Alkalinity (as CaCO3)	MG/L	NA	50	52	68 J	22 J
Chloride	MG/L	130	140	140	150 J	320 J
Field pH	S.U.	12	11.2	11.2	11.65	11.65
Sulfate	MG/L	180	220	220	390 J	200 J
Total Organic Carbon	MG/L	11	9.5 J	8.4 J	11	10
Total Dissolved Solids	MG/L	730	780 J	810 J	800	800
Total Organic Halogens	MG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.052	0.03 J	0.037 J	0.047	0.044

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 2nd, 3rd AND 4th ROUNDS (APRIL THROUGH OCTOBER 1991)
GROUNDWATER

Location ID		MWN-02	MWN-02	MWN-02	MWN-03	MWN-03
Sample ID		MWN-02	MWN-02	MWN-02	MWN-03	MWN-03
Lab Sample ID		BS-67	BS-18	BSC-4-25	BS-60	BS-25
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/23/91	07/15/91	10/15/91	04/22/91	07/16/91
Parameter	Units					
Volatile Organic Compounds						
Benzene	UG/L	12	4.4	15 J	31 J	4
Semivolatile Organic Compounds						
Naphthalene	UG/L	140	10 U	94	94	59
Dissolved Metals						
Calcium -DISS	UG/L	190,000	170,000	180,000	180,000	290,000
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	3 U	30.0 U	3.0 UJ	3 UJ	30.0 U
Potassium -DISS	UG/L	76,000	58,000	58,000	83,000	130,000
Sodium -DISS	UG/L	110,000	110,000	120,000	66,000	98,000
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	430	420	440	410	440
Carbonate Alkalinity (as CaCO3)	MG/L	NA	66	34	120	NA
Chloride	MG/L	140	140	160 J	480	530
Field pH	S.U.	12	11.9	12.25	11.9	11.55
Sulfate	MG/L	170	160	160	260	270
Total Organic Carbon	MG/L	10	10 J	9.8	7.5	7.6 J
Total Dissolved Solids	MG/L	980	890 J	920	1,300	1,400 J
Total Organic Halogens	MG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.11	0.11 J	0.12	0.18	0.2 J

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 2nd, 3rd AND 4th ROUNDS (APRIL THROUGH OCTOBER 1991)
GROUNDWATER

Location ID		MWN-03	MWN-03	MWN-04	MWN-04	MWN-04
Sample ID		MWN-03 DUP	MWN-03	MWN-04	MWN-04	MWN-04
Lab Sample ID		BS-28	BSC-4-26	BS-61	BS-32	BSC-4-30
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/16/91	10/15/91	04/23/91	07/17/91	10/15/91
Parameter	Units	FIELD DUPLICATE (1-1)				
Volatile Organic Compounds						
Benzene	UG/L	21	32 J	0.5 J	1 U	1 U
Semivolatile Organic Compounds						
Naphthalene	UG/L	62	68	50 U	10 U	15
Dissolved Metals						
Calcium -DISS	UG/L	290,000	250,000	1,100,000	2,300,000	1,300,000
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	30.0 U	3.0 UJ	3 U	30.0 U	30 U
Potassium -DISS	UG/L	130,000	100,000	290,000	310,000	360,000
Sodium -DISS	UG/L	98,000	96,000	270,000	280,000	310,000
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	450	420	200	240	170
Carbonate Alkalinity (as CaCO3)	MG/L	NA	70	NA	53	38
Chloride	MG/L	440	140 J	6,100	4,700	3,800
Field pH	S.U.	11.55	12.2	11	11.2	11.25
Sulfate	MG/L	270	260	350	530	460
Total Organic Carbon	MG/L	7.3 J	6	15	16 J	15
Total Dissolved Solids	MG/L	1,400 J	1,200	9,500	10,000 J	7,300
Total Organic Halogens	MG/L	0.050 U	0.050 U	0.068	0.12	0.37
Total Recoverable Phenolics	MG/L	0.19 J	0.14	0.037	0.11 J	0.044

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-101' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-104' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 2nd, 3rd AND 4th ROUNDS (APRIL THROUGH OCTOBER 1991)
GROUNDWATER

Location ID		MWN-05A	MWN-05A	MWN-05A	MWN-06A	MWN-06A
Sample ID		MWN-05A	MWN-05A	MWN-05A	MWN-06A	MWN-06A
Lab Sample ID		BS-62	BS-11	BSC-4-22	BS-63	BS-8
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/22/91	07/12/91	10/14/91	04/22/91	07/11/91
Parameter	Units					
Volatile Organic Compounds						
Benzene	UG/L	4.5	4.5	5.3	5.4	6.9
Semivolatile Organic Compounds						
Naphthalene	UG/L	118	55	89	44	38
Dissolved Metals						
Calcium -DISS	UG/L	460,000	460,000	440,000	430,000	500,000
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	3 U	30.0 U	3.0 UJ	3 U	30.0 U
Potassium -DISS	UG/L	110,000	130,000	130,000	100,000	100,000
Sodium -DISS	UG/L	74,000	88,000	88,000	96,000	110,000
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	970	870	1,100	1,200	1,200
Carbonate Alkalinity (as CaCO3)	MG/L	NA	80	460	NA	100
Chloride	MG/L	450	300	300 J	180	180
Field pH	S U	12.7	12.5	12.55	13	12
Sulfate	MG/L	250	300	270	160	180
Total Organic Carbon	MG/L	7.3	5.4 J	6.4	6.8	6.1 J
Total Dissolved Solids	MG/L	2,000	1,900 J	1,800	1,700	1,800 J
Total Organic Halogens	MG/L	0.050 U	0.050 U	0.05	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.06	0.055 J	0.049	0.024	0.026 J

Flags assigned during chemistry validation are shown.

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([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

GROUNDWATER

AQUEOUS

PHASE I

5TH ROUND

PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MW-2U1	MW-2U1	MWN-01	MWN-01	MWN-02
Sample ID		MW-2U1	MW-2U1 DUP	MWN-01	MWN-01 DUP	MWN-02
Lab Sample ID		BSC-5-43	BSC-5-41	BSC-5-20	BSC-5-22	BSC-5-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/31/92	01/31/92	01/20/92	01/20/92	01/20/92
Parameter	Units		FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)	
Volatile Organic Compounds						
Acrylonitrile	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	17 J,c	22 J,c	37 J,c	39 J,c	5.1 J,c
Bromodichloromethane	UG/L	5 U	5 U	5 U	5 U	5 U
Bromoform	UG/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	UG/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl vinyl ether	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	5 U	5 U	5 U	5 U	5 U
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	UG/L	7.4 J	6.9	5 U	5 U	5 U
1,2-Dichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	UG/L	6.7	4.7 J	2.4 J	2.4 J	5 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,1,2-Tetrachloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	5 U	5 U	5 U	5 U

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PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MW-2U1	MW-2U1	MWN-01	MWN-01	MWN-02
Sample ID		MW-2U1	MW-2U1 DUP	MWN-01	MWN-01 DUP	MWN-02
Lab Sample ID		BSC-5-43	BSC-5-41	BSC-5-20	BSC-5-22	BSC-5-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/31/92	01/31/92	01/20/92	01/20/92	01/20/92
Parameter	Units		FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)	
Volatile Organic Compounds						
Tetrachloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
Toluene	UG/L	8.7	10	25	26	5 U
1,1,1-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
Trichloroethene	UG/L	15	22	5 U	5 U	5 U
Trichlorofluoromethane	UG/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	UG/L	47	71	36	38	5 U
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	26 J,s	31 J	77 J	70 J	8.9 J
Anthracene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Benzo(a)anthracene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Benzo(a)pyrene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Butyl benzyl phthalate	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
4-Chloro-3-methylphenol	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
bis(2-Chloroethyl)ether	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
2-Chloronaphthalene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Chrysene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Di-n-butyl phthalate	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Di-n-octyl phthalate	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
1,2-Dichlorobenzene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
1,3-Dichlorobenzene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
1,4-Dichlorobenzene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
2,4-Dichlorophenol	UG/L	10 UJ,s	50 U	100 U	100 U	10 U

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Detection Limits shown are PQL

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PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MW-2U1	MW-2U1	MWN-01	MWN-01	MWN-02
Sample ID		MW-2U1	MW-2U1 DUP	MWN-01	MWN-01 DUP	MWN-02
Lab Sample ID		BSC-5-43	BSC-5-41	BSC-5-20	BSC-5-22	BSC-5-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/31/92	01/31/92	01/20/92	01/20/92	01/20/92
Parameter	Units		FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)	
Semivolatile Organic Compounds						
Diethyl phthalate	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Dimethyl phthalate	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
2,4-Dimethylphenol	UG/L	7 J,s	8 J	100 U	100 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	50 UJ,s	250 U	500 U	500 U	50 U
2,4-Dinitrotoluene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
2,6-Dinitrotoluene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Fluoranthene	UG/L	5 J,s	50 U	20 J	24 J	10 U
Fluorene	UG/L	22 J,s	22 J	89 J	81 J	20
Hexachlorobenzene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Hexachlorocyclobutadiene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Hexachlorocyclopentadiene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Hexachloroethane	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Isophorone	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
3-Methylphenol & 4-Methylphenol	UG/L	7.5 J,s	9.7 J	100 U	100 U	35
2-Methylphenol	UG/L	7.7 J,s	12 J	100 U	100 U	14
Naphthalene	UG/L	190 J,s	370	680	690	94
Pentachlorophenol	UG/L	50 UJ,s	250 U	500 U	500 U	50 U
Phenanthrene	UG/L	30 J,s	30 J	170	150	26
Phenol	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Pyrene	UG/L	10 UJ,s	50 U	15 J,c	12 J,c	5 5 J,c
Pyridine	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
2,3,4,6-Tetrachlorophenol	UG/L	50 UJ,s	250 U	500 U	500 U	50 U
1,2,4-Trichlorobenzene	UG/L	10 UJ,s	50 U	100 U	100 U	10 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MW-2U1	MW-2U1	MWN-01	MWN-01	MWN-02
Sample ID		MW-2U1	MW-2U1 DUP	MWN-01	MWN-01 DUP	MWN-02
Lab Sample ID		BSC-5-43	BSC-5-41	BSC-5-20	BSC-5-22	BSC-5-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/31/92	01/31/92	01/20/92	01/20/92	01/20/92
Parameter	Units		FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)	
Semivolatile Organic Compounds						
2,4,5-Trichlorophenol	UG/L	50 UJ,s	250 U	500 U	500 U	50 U
2,4,6-Trichlorophenol	UG/L	10 UJ,s	50 U	100 U	100 U	10 U
Dissolved Metals						
Antimony -DISS	UG/L	60 U	60 U	60 U	60 U	60 U
Arsenic -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Barium -DISS	UG/L	200 U	200 U	200 U	200 U	200 U
Cadmium -DISS	UG/L	5 U	5 U	5 U	5 U	5 U
Calcium -DISS	UG/L	412,000	401,000	128,000 J,m	129,000 J,m	188,000 J,m
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	3 U	3 U	3 UJ,m	15 UJ,m	3 U
Mercury -DISS	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel -DISS	UG/L	40 U	40 U	40 U	40 U	40 U
Potassium -DISS	UG/L	195,000	190,000	49,100	47,800	63,900
Selenium -DISS	UG/L	5 U	25 U	5 U	5 U	6.6
Silver -DISS	UG/L	10 U	10 U	10 UJ,m	10 UJ,m	10 UJ,m
Sodium -DISS	UG/L	115,000	102,000	75,200	79,200	114,000
Thallium -DISS	UG/L	10 U	10 U	50 UR,m	50 UR,m	50 UR,m
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	570	590	170	170	410
Carbonate Alkalinity (as CaCO3)	MG/L	120	170	46	54	50
Chloride	MG/L	290	360	150	150	140
Cyanide	MG/L	0.01	0.01	0.03	0.03	0.03
Field pH	S.U.	12	12	12	11.95	12.42
Sulfate	MG/L	490	510	180	180	200

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-05A' OR [LOCID] =

PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MW-2U1	MW-2U1	MWN-01	MWN-01	MWN-02
Sample ID		MW-2U1	MW-2U1 DUP	MWN-01	MWN-01 DUP	MWN-02
Lab Sample ID		BSC-5-43	BSC-5-41	BSC-5-20	BSC-5-22	BSC-5-21
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/31/92	01/31/92	01/20/92	01/20/92	01/20/92
Parameter	Units		FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)	
General Chemistry Parameters						
Total Organic Carbon	MG/L	11	11	8.2	8	8.8
Total Dissolved Solids	MG/L	1,800	1,700	710	690	930
Total Organic Halogens	MG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.04	0.056	0.03	0.033	0.075

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Sample ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Lab Sample ID		BSC-5-13	BSC-5-6	BSC-5-12	BSC-5-11	BSC-5-10
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/17/92	01/16/92	01/17/92	01/17/92	01/17/92
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	10 U	10 U	10 U	10 U	10 U
Benzene	UG/L	28 J,c	5 U	5.4	5 U	5 U
Bromodichloromethane	UG/L	5 U	5 U	5 U	5 U	5 U
Bromoform	UG/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	UG/L	5 U	5 U	5 U	5 U	5 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chloroethyl vinyl ether	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	5 U	5 U	5 U	5 U	5 U
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	UG/L	5 U	5 UJ,c	5 U	5 U	5 U
1,1-Dichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	UG/L	5 U	5 U	5 U	5 U	5 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,1,2-Tetrachloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	5 U	5 U	5 U	5 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Sample ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Lab Sample ID		BSC-5-13	BSC-5-6	BSC-5-12	BSC-5-11	BSC-5-10
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/17/92	01/16/92	01/17/92	01/17/92	01/17/92
Parameter	**Units**					
Volatile Organic Compounds						
Tetrachloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
Toluene	UG/L	11	5 U	3.2 J	5 U	5 U
1,1,1-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
Trichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	UG/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	UG/L	19	5 U	3.6 J	3.4 J	5 U
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	7.7 J	10 U	11	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Sample ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Lab Sample ID		BSC-5-13	BSC-5-6	BSC-5-12	BSC-5-11	BSC-5-10
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/17/92	01/16/92	01/17/92	01/17/92	01/17/92
Parameter	Units					
Semivolatile Organic Compounds						
Diethyl phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	5.1 J	10 U	7.2 J	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	5.5 J	10 U	10 U
Fluorene	UG/L	12	10 U	19	6 J	6.7 J
Hexachlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclobutadiene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Isophorone	UG/L	10 U	10 U	10 U	10 U	10 U
3-Methylphenol & 4-Methylphenol	UG/L	32	10 U	23	10 U	10 U
2-Methylphenol	UG/L	12	10 U	9.7 J	10 U	10 U
Naphthalene	UG/L	56	27	130	16	97
Pentachlorophenol	UG/L	50 U	50 U	50 U	50 U	50 U
Phenanthrene	UG/L	17	8 J	27	15	11
Phenol	UG/L	42	10 U	51	10 U	10 U
Pyrene	UG/L	10 U	10 J,c	5.2 J,c	10 U	10 U
Pyridine	UG/L	10 U	10 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	UG/L	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

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PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Sample ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Lab Sample ID		BSC-5-13	BSC-5-6	BSC-5-12	BSC-5-11	BSC-5-10
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/17/92	01/16/92	01/17/92	01/17/92	01/17/92
Parameter	Units					
Semivolatile Organic Compounds						
2,4,5-Trichlorophenol	UG/L	50 U	50 U	50 U	50 U	50 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
Dissolved Metals						
Antimony -DISS	UG/L	60 U	60 U	60 U	60 U	60 U
Arsenic -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Barium -DISS	UG/L	200 U	201	200 U	214	200 U
Cadmium -DISS	UG/L	5 U	5 U	5 U	5 U	5 U
Calcium -DISS	UG/L	260,000 J,m	745,000	656,000 J,m	507,000 J,m	138,000 J,m
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	3 U	3 U	3 U	3 U	3 U
Mercury -DISS	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel -DISS	UG/L	40 U	40 U	40 U	40 U	40 U
Potassium -DISS	UG/L	92,800	314,000	128,000	111,000	10,200
Selenium -DISS	UG/L	5.7 R	5 U	5 U	5 U	5 U
Silver -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Sodium -DISS	UG/L	96,900	233,000	103,000	111,000	177,000
Thallium -DISS	UG/L	50 UR,m	50 UR,m	50 UR,m	10 UR,m	10 U
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	350	220	710	1,100	260
Carbonate Alkalinity (as CaCO3)	MG/L	60	62	NA	NA	6
Chloride	MG/L	220	2,200	590	150	230
Cyanide	MG/L	0.02	0.010 U	0.010 U	0.010 U	0.02
Field pH	S.U.	12	12	13	13	12
Sulfate	MG/L	290	410	290	130	110

Flags assigned during chemistry validation are shown

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PHASE I - 5th ROUND (JANUARY 1992)
GROUNDWATER

Location ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Sample ID		MWN-03	MWN-04	MWN-05A	MWN-06A	MWN-07
Lab Sample ID		BSC-5-13	BSC-5-6	BSC-5-12	BSC-5-11	BSC-5-10
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/17/92	01/16/92	01/17/92	01/17/92	01/17/92
Parameter	Units					
General Chemistry Parameters						
Total Organic Carbon	MG/L	6.4	13	6.9	6.1	3.3
Total Dissolved Solids	MG/L	1,200	4,700	2,300	1,700	860
Total Organic Halogens	MG/L	0.050 U	0.28	0.050 U	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.12	0.03	0.11	0.02	0.005 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-01' OR [LOCID] = 'MWN-02' OR [LOCID] = 'MWN-03' OR [LOCID] = 'MWN-04' OR [LOCID] = 'MWN-05A' OR [LOCID] = 'MWN-06A' OR [LOCID] =

GROUNDWATER

AQUEOUS

PHASE II-A

6TH ROUND

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Sample ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Lab Sample ID		69330	69798	69331	69799	69332
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/10/92	12/15/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	50 U	100 U	50 U	100 U	50 U
Benzene	UG/L	25	72	6 8	63	24
Bromodichloromethane	UG/L	5 U	10 U	5 U	10 U	5 U
Bromoform	UG/L	5 U	10 U	5 U	10 U	5 U
Bromomethane	UG/L	10 U	20 U	10 U	20 U	10 U
Carbon tetrachloride	UG/L	5 U	10 U	5 U	10 U	5 U
Chlorobenzene	UG/L	5 U	10 U	5 U	10 U	5 U
Chloroethane	UG/L	10 U	20 U	10 U	20 U	10 U
2-Chloroethyl vinyl ether	UG/L	10 U	R	10 U	R	10 U
Chloroform	UG/L	5 U	10 U	5 U	10 U	5 U
Chloromethane	UG/L	10 U	20 U	10 U	20 U	10 U
Dibromochloromethane	UG/L	5 U	10 U	5 U	10 U	5 U
Dichlorodifluoromethane	UG/L	5 UJ,c	10 U	5 UJ,c	10 U	5 UJ,c
1,1-Dichloroethane	UG/L	5 U	10 U	5 U	10 U	5 U
1,2-Dichloroethane	UG/L	5 U	10 U	5 U	10 U	5 U
1,1-Dichloroethene	UG/L	5 U	10 U	5 U	10 U	5 U
trans-1,2-Dichloroethene	UG/L	5 U	10 U	5 U	10 U	5 U
1,2-Dichloropropane	UG/L	5 U	10 U	5 U	10 U	5 U
cis-1,3-Dichloropropene	UG/L	5 U	10 U	5 U	10 U	5 U
trans-1,3-Dichloropropene	UG/L	5 U	10 U	5 U	10 U	5 U
Ethylbenzene	UG/L	5 U	10 U	5 U	10 U	5 U
Methylene chloride	UG/L	10 U	20 U	10 U	20 U	10 U
1,1,1,2-Tetrachloroethane	UG/L	5 U	10 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	10 U	5 U	10 U	5 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Sample ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Lab Sample ID		69330	69798	69331	69799	69332
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/10/92	12/15/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Volatile Organic Compounds						
Tetrachloroethene	UG/L	5 U	10 U	5 U	10 U	5 U
Toluene	UG/L	19	32	5 U	7.6 J	8.3
1,1,1-Trichloroethane	UG/L	5 U	10 U	5 U	10 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	10 U	5 U	10 U	5 U
Trichloroethene	UG/L	5 U	10 U	5 U	10 U	5 U
Trichlorofluoromethane	UG/L	5 U	10 U	5 U	10 U	5 U
Vinyl chloride	UG/L	10 U	20 U	10 U	20 U	10 U
Xylenes, Total	UG/L	40	35	5 U	10 U	18
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	110	98	8.0 J	5.1 J	9.0 J
Anthracene	UG/L	28 J	28 J	3.0 J	10 U	2.0 J
Benzo(a)anthracene	UG/L	50 U	15 J	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	50 U	50 U	10 U	10 U	10 U
Butyl benzyl phthalate	UG/L	50 U	50 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	50 U	50 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	UG/L	50 U	50 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	50 U	50 U	10 U	10 U	10 U
Chrysene	UG/L	50 U	14 J	10 U	10 U	10 U
Di-n-butyl phthalate	UG/L	50 U	50 U	10 U	10 U	10 U
Di-n-octyl phthalate	UG/L	50 U	50 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	50 U	50 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	50 U	50 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	50 U	50 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	50 U	50 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Sample ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Lab Sample ID		69330	69798	69331	69799	69332
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/10/92	12/15/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Semivolatile Organic Compounds						
Diethyl phthalate	UG/L	13 J	50 U	10 U	10 U	10 U
Dimethyl phthalate	UG/L	11 J	50 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	50 U	16 J	3.0 J	30	6.0 J
4,6-Dinitro-2-methylphenol	UG/L	250 U	250 U	50 U	50 U	50 U
2,4-Dinitrotoluene	UG/L	50 U	50 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	11 J	50 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	50 U	50 U	10 U	2.8 J	10 U
Fluoranthene	UG/L	21 J	56 J,Q	4.0 J	10 UJ,Q	5.0 J
Fluorene	UG/L	140	81	23	9.5 J	13
Hexachlorobenzene	UG/L	50 U	50 U	10 U	10 U	10 U
Hexachlorocyclobutadiene	UG/L	50 U	50 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	R	R	R	R	R
Hexachloroethane	UG/L	50 U	50 U	10 U	10 U	10 U
Isophorone	UG/L	50 U	50 U	10 U	10 U	10 U
3-Methylphenol & 4-Methylphenol	UG/L	NA	160	NA	250	NA
2-Methylphenol	UG/L	12 J	38 J	8.0 J	120	12
3-Methylphenol	UG/L	50 U	NA	10 U	NA	10 U
4-Methylphenol	UG/L	24 J	NA	24	NA	38
Naphthalene	UG/L	950	1,400	76	160	66
Pentachlorophenol	UG/L	250 U	250 U	50 U	50 U	50 U
Phenanthrene	UG/L	170	150	22	14	18
Phenol	UG/L	50 U	380	3.0 J	49	61
Pyrene	UG/L	38 J	38 J	3.0 J	10 U	2.0 J
Pyridine	UG/L	250 U	50 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Sample ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Lab Sample ID		69330	69798	69331	69799	69332
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/10/92	12/15/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Semivolatile Organic Compounds						
2,3,4,6-Tetrachlorophenol	UG/L	250 U	50 U	50 U	10 U	50 U
1,2,4-Trichlorobenzene	UG/L	50 U	50 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	50 U	50 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	UG/L	50 U	50 U	10 U	10 U	10 U
Dissolved Metals						
Antimony -DISS	UG/L	60 U	60 U	R	60 U	R
Arsenic -DISS	UG/L	10 U	11	10 U	33	10 U
Barium -DISS	UG/L	200 U	200 U	200 U	200 U	220
Cadmium -DISS	UG/L	5 U	5 U	5 U	5 U	5 U
Calcium -DISS	UG/L	120,000 J,m	130,000	170,000 J,m	93,000	270,000 J,m
Chromium -DISS	UG/L	10 U	10 U	10 U	10 U	10 U
Lead -DISS	UG/L	3 U	3 U	3 U	3 U	3 U
Mercury -DISS	UG/L	0.2 UJ,m	0.2 U	0.2 UJ,m	0.2 U	0.2 UJ,m
Nickel -DISS	UG/L	40 U	40 U	40 U	40 U	40 U
Potassium -DISS	UG/L	52,000	95,000	63,000	38,000	120,000
Selenium -DISS	UG/L	R	5 U	R	7.7	R
Silver -DISS	UG/L	R	10 U	R	10 U	R
Sodium -DISS	UG/L	81,000	85,000	90,000	120,000	90,000
Thallium -DISS	UG/L	10 UJ,m	10 U	10 UJ,m	10 U	10 UJ,m
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	170	190	440	190	440
Carbonate Alkalinity (as CaCO3)	MG/L	50	110	56	97	150
Chloride	MG/L	150	170	99	220	310
Cyanide	MG/L	0.42	1.3	0.66	1.8	0.53

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Sample ID		MWN-01	MWN-01B	MWN-02	MWN-02B	MWN-03
Lab Sample ID		69330	69798	69331	69799	69332
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/10/92	12/15/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
General Chemistry Parameters						
Sulfate	MG/L	200	230	170	160	320
Total Organic Carbon	MG/L	11	83	8.2	17	7.3
Total Dissolved Solids	MG/L	780	810	860	830	1,400
Total Organic Halogens	MG/L	0.050 U	0.050 UJ,h	0.050 U	0.050 UJ,h	0.050 U
Total Recoverable Phenolics	MG/L	0.05	0.98	0.06	0.41	0.17

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Sample ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Lab Sample ID		69800	69333	69334	69801	69335
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/15/92	12/11/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	100 U	50 U	50 U	100 U	50 U
Benzene	UG/L	10 U	5 U	5 U	79	5.6
Bromodichloromethane	UG/L	10 U	5 U	5 U	10 U	5 U
Bromoform	UG/L	10 U	5 U	5 U	10 U	5 U
Bromomethane	UG/L	20 U	10 U	10 U	20 U	10 U
Carbon tetrachloride	UG/L	10 U	5 U	5 U	10 U	5 U
Chlorobenzene	UG/L	10 U	5 U	5 U	54	5 U
Chloroethane	UG/L	20 U	10 U	10 U	20 U	10 U
2-Chloroethyl vinyl ether	UG/L	R	R	10 U	R	10 U
Chloroform	UG/L	10 U	5 U	5 U	10 U	5 U
Chloromethane	UG/L	20 U	10 U	10 U	20 U	10 U
Dibromochloromethane	UG/L	10 U	5 U	5 U	10 U	5 U
Dichlorodifluoromethane	UG/L	10 U	5 UJ,c	5 UJ,c	10 U	5 UJ,c
1,1-Dichloroethane	UG/L	10 U	5 U	5 U	10 U	5 U
1,2-Dichloroethane	UG/L	10 U	5 U	5 U	10 U	5 U
1,1-Dichloroethene	UG/L	10 U	5 U	5 U	10 U	5 U
trans-1,2-Dichloroethene	UG/L	10 U	5 U	5 U	10 U	5 U
1,2-Dichloropropane	UG/L	10 U	5 U	5 U	10 U	5 U
cis-1,3-Dichloropropene	UG/L	10 U	5 U	5 U	10 U	5 U
trans-1,3-Dichloropropene	UG/L	10 U	5 U	5 U	10 U	5 U
Ethylbenzene	UG/L	10 U	5 U	5 U	10 U	5 U
Methylene chloride	UG/L	20 U	10 U	10 U	20 U	10 U
1,1,1,2-Tetrachloroethane	UG/L	10 U	5 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	5 U	5 U	10 U	5 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Sample ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Lab Sample ID		69800	69333	69334	69801	69335
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/15/92	12/11/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Volatile Organic Compounds						
Tetrachloroethene	UG/L	10 U	5 U	5 U	10 U	5 U
Toluene	UG/L	10 U	5 U	5 U	42	5 U
1,1,1-Trichloroethane	UG/L	10 U	5 U	5 U	10 U	5 U
1,1,2-Trichloroethane	UG/L	10 U	5 U	5 U	10 U	5 U
Trichloroethene	UG/L	10 U	5 U	5 U	10 U	5 U
Trichlorofluoromethane	UG/L	10 U	5 U	5 U	10 U	5 U
Vinyl chloride	UG/L	20 U	10 U	10 U	20 U	10 U
Xylenes, Total	UG/L	10 U	5 U	5 U	33	11
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	10 U	10 U	6.0 J	22 J	5.0
Anthracene	UG/L	10 U	10 U	10 U	50 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	50 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	50 U	10 U
Butyl benzyl phthalate	UG/L	10 U	10 U	10 U	50 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	10 U	50 U	10 U
bis(2-Chloroethyl)ether	UG/L	10 U	10 U	10 U	50 U	10 U
2-Chloronaphthalene	UG/L	10 U	10 U	10 U	50 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	50 U	10 U
Di-n-butyl phthalate	UG/L	10 U	10 U	10 U	50 U	10 U
Di-n-octyl phthalate	UG/L	10 U	10 U	10 U	50 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	10 U	28 J	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	10 U	50 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	10 U	50 U	10 U
2,4-Dichlorophenol	UG/L	10 U	10 U	10 U	50 U	10 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Sample ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Lab Sample ID		69800	69333	69334	69801	69335
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/15/92	12/11/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Semivolatile Organic Compounds						
Diethyl phthalate	UG/L	10 U	10 U	10 U	50 U	10 U
Dimethyl phthalate	UG/L	10 U	10 U	10 U	50 U	10 U
2,4-Dimethylphenol	UG/L	10 U	1.0 J	4.0 J	50 U	3.0 J
4,6-Dinitro-2-methylphenol	UG/L	50 U	50 U	50 U	250 U	50 U
2,4-Dinitrotoluene	UG/L	10 U	10 U	10 U	50 U	10 U
2,6-Dinitrotoluene	UG/L	10 U	10 U	10 U	50 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	5.0 J	2.0 J	50 U	10 U
Fluoranthene	UG/L	10 UJ,Q	3.0 J	6.0 J	50 UJ,Q	3.0 J
Fluorene	UG/L	10 U	7.0 J	10	50 U	9.0 J
Hexachlorobenzene	UG/L	10 U	10 U	10 U	50 U	10 U
Hexachlorocyclobutadiene	UG/L	10 U	10 U	10 U	50 U	10 U
Hexachlorocyclopentadiene	UG/L	R	R	R	R	R
Hexachloroethane	UG/L	10 U	10 U	10 U	50 U	10 U
Isophorone	UG/L	10 U	10 U	10 U	50 U	10 U
3-Methylphenol & 4-Methylphenol	UG/L	10.00 U	NA	NA	330	NA
2-Methylphenol	UG/L	10 U	10 U	4.0 J	16 J	2.0 J
3-Methylphenol	UG/L	NA	10 U	10 U	NA	10 U
4-Methylphenol	UG/L	NA	2.0 J	10 U	NA	5.0 J
Naphthalene	UG/L	10 U	23	42	1,600	29
Pentachlorophenol	UG/L	50 U	50 U	50 U	250 U	1.0 J
Phenanthrene	UG/L	10 U	5.0 J	19	14 J	18
Phenol	UG/L	10 U	1.0 J	12	110	7.0 J
Pyrene	UG/L	10 U	4.0 J	3.0 J	50 U	1.0 J
Pyridine	UG/L	10 U	10 U	10 U	50 U	10 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Sample ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Lab Sample ID		69800	69333	69334	69801	69335
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/15/92	12/11/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
Semivolatile Organic Compounds						
2,3,4,6-Tetrachlorophenol	UG/L	10 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 U	10 U	50 U	10 U
2,4,5-Trichlorophenol	UG/L	10 U	10 U	10 U	50 U	10 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	10 U	100 U	10 U
Dissolved Metals						
Antimony -DISS	UG/L	60 U	R	R	600 U	R
Arsenic -DISS	UG/L	83	10 U	10 U	50 U	10 U
Barium -DISS	UG/L	200 U	200 U	200 U	24,000	200 U
Cadmium -DISS	UG/L	5 U	5 U	5 U	50 U	5 U
Calcium -DISS	UG/L	72,000	650,000 J,m	490,000 J,m	110,000	470,000 J,m
Chromium -DISS	UG/L	10 U	10 U	15	100 U	10 U
Lead -DISS	UG/L	3 U	3 U	3 U	6 U	3 U
Mercury -DISS	UG/L	0.2 U	0.2 UJ,m	0.22 J,m	0.2 U	0.2 UJ,m
Nickel -DISS	UG/L	40 U	40 U	40 U	400 U	40 U
Potassium -DISS	UG/L	13,000	410,000	110,000	210,000	98,000
Selenium -DISS	UG/L	5 U	R	R	25 U	R
Silver -DISS	UG/L	10 U	R	R	100 U	R
Sodium -DISS	UG/L	38,000	330,000	99,000	180,000	11,000
Thallium -DISS	UG/L	10 U	10 UJ,m	10 UJ,m	100 U	10 UJ,m
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	310	160	1,100	1 U	1,200
Carbonate Alkalinity (as CaCO3)	MG/L	81	52	NA	NA	NA
Chloride	MG/L	37	1,300	310	25,000	170
Cyanide	MG/L	0.03	0.17	0.46	0.02	0.20

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

PHASE IIA - 6th ROUND (DECEMBER 1992 THROUGH JUNE 1993)
GROUNDWATER

Location ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Sample ID		MWN-03B	MWN-04	MWN-05A	MWN-05B	MWN-06A
Lab Sample ID		69800	69333	69334	69801	69335
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/15/92	12/11/92	12/10/92	12/15/92	12/10/92
Parameter	Units					
General Chemistry Parameters						
Sulfate	MG/L	20	850	280	6.0	180
Total Organic Carbon	MG/L	32	18	7.6	74	10
Total Dissolved Solids	MG/L	450	4,000	1,900	48,000	1,800
Total Organic Halogens	MG/L	0.050 UJ,h	0.050 U	0.050 U	1.3 J,h	0.050 U
Total Recoverable Phenolics	MG/L	0.05 U	0.05 U	NA	0.25	0.05 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

GROUNDWATER

AQUEOUS

PHASE II-B

PHASE IIB (JANUARY THROUGH SEPTEMBER 1994)
GROUNDWATER

Location ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12
Sample ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12 DUP
Lab Sample ID		C4A280040-006	C4H110018-002	C4I070037-001	C4G140004-004	C4G140004-005
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/94	08/10/94	08/10/94	07/13/94	07/13/94
Parameter	Units					FIELD DUPLICATE (1-1)
Volatile Organic Compounds						
Acetone	UG/L	NA	NA	NA	NA	NA
Acrylonitrile	UG/L	50 U	250 U	NA	50 U	50 U
Benzene	UG/L	27	25 U	NA	4.2 J	7.8
Bromochloromethane	UG/L	5.0 U	NA	NA	NA	NA
Bromodichloromethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Bromoform	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Bromomethane	UG/L	10 U	50 U	NA	10 U	10 U
Carbon disulfide	UG/L	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Chlorobenzene	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Chloroethane	UG/L	10 U	50 U	NA	10 U	10 U
2-Chloroethyl vinyl ether	UG/L	10 U	R	NA	10 U	10 U
Chloroform	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Chloromethane	UG/L	10 U	30 J	NA	10 U	10 U
Dibromochloromethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Dichlorodifluoromethane	UG/L	10 U	50 U	NA	10 U	10 U
1,1-Dichloroethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
1,2-Dichloroethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
1,2-Dichloroethene, Total	UG/L	NA	NA	NA	NA	NA
1,1-Dichloroethene	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
trans-1,2-Dichloroethene	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Dichlorofluoromethane	UG/L	NA	NA	NA	NA	NA
1,2-Dichloropropane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
cis-1,3-Dichloropropene	UG/L	5.0 U	50 U	NA	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1D5' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-12' OR [LOCID] =

PHASE IIB (JANUARY THROUGH SEPTEMBER 1994)
GROUNDWATER

Location ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12
Sample ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12 DUP
Lab Sample ID		C4A280040-006	C4H110018-002	C4I070037-001	C4G140004-004	C4G140004-005
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/94	08/10/94	08/10/94	07/13/94	07/13/94
Parameter	Units					FIELD DUPLICATE (1-1)
Volatile Organic Compounds						
trans-1,3-Dichloropropene	UG/L	5.0 U	50 U	NA	5.0 U	5.0 U
Ethylbenzene	UG/L	5.7	25 U	NA	5.0 U	5.0 U
2-Hexanone	UG/L	NA	NA	NA	NA	NA
Methyl ethyl ketone	UG/L	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	UG/L	NA	NA	NA	NA	NA
Methylene chloride	UG/L	10 U	50 U	NA	10 U	10 U
Styrene	UG/L	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Tetrachloroethene	UG/L	5.0 U	250 U	NA	5.0 U	5.0 U
Toluene	UG/L	39	25 U	NA	3.2 J	3.5 J
1,1,1-Trichloroethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
1,1,2-Trichloroethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Trichloroethene	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	5.0 U	25 U	NA	5.0 U	5.0 U
Vinyl chloride	UG/L	10 U	50 U	NA	10 U	10 U
Xylenes, Total	UG/L	75	16 J	NA	10	9.3
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	10 J	10 U	NA	10 U	10 U
Anthracene	UG/L	20 U	10 U	NA	54	63
Benzo(a)anthracene	UG/L	20 U	10 U	NA	10 U	10 U
Benzo(a)pyrene	UG/L	20 U	10 U	NA	10 U	10 U
Butyl benzyl phthalate	UG/L	20 U	10 U	NA	10 U	10 U
4-Chloro-3-methylphenol	UG/L	20 U	10 U	NA	10 U	10 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-12' OR [LOCID] =

PHASE IIB (JANUARY THROUGH SEPTEMBER 1994)
GROUNDWATER

Location ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12
Sample ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12 DUP
Lab Sample ID		C4A280040-006	C4H110018-002	C4I070037-001	C4G140004-004	C4G140004-005
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/94	08/10/94	08/10/94	07/13/94	07/13/94
Parameter	Units					FIELD DUPLICATE (1-1)
Semivolatile Organic Compounds						
bis(2-Chloroethyl)ether	UG/L	20 U	10 U	NA	10 U	10 U
2-Chloronaphthalene	UG/L	20 U	10 U	NA	10 U	10 U
Chrysene	UG/L	20 U	10 U	NA	10 U	10 U
Di-n-butyl phthalate	UG/L	20 U	10 U	NA	10 U	10 U
Di-n-octyl phthalate	UG/L	20 U	10 U	NA	10 U	10 U
Dibenz(a,h)anthracene	UG/L	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	UG/L	20 U	10 U	NA	10 U	10 U
1,3-Dichlorobenzene	UG/L	20 U	10 U	NA	10 U	10 U
1,4-Dichlorobenzene	UG/L	20 U	10 U	NA	10 U	10 U
2,4-Dichlorophenol	UG/L	20 U	10 U	NA	10 U	10 U
Diethyl phthalate	UG/L	20 U	10 U	NA	10 U	10 U
Dimethyl phthalate	UG/L	20 U	10 U	NA	10 U	10 U
2,4-Dimethylphenol	UG/L	20 U	10 U	NA	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	100 U	50 U	NA	50 U	50 U
2,4-Dinitrotoluene	UG/L	20 U	10 U	NA	10 U	10 U
2,6-Dinitrotoluene	UG/L	20 U	10 U	NA	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	20 U	2 8 J	NA	10 U	10 U
Fluoranthene	UG/L	20 U	10 U	NA	10	12
Fluorene	UG/L	5 5 J	10 U	NA	32	38
Hexachlorobenzene	UG/L	20 U	10 U	NA	10 U	10 U
Hexachlorobutadiene	UG/L	20 U	10 U	NA	10 U	10 U
Hexachlorocyclopentadiene	UG/L	20 U	10 U	NA	10 U	10 U
Hexachloroethane	UG/L	20 U	10 U	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-12' OR [LOCID] =

PHASE IIB (JANUARY THROUGH SEPTEMBER 1994)
GROUNDWATER

Location ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12
Sample ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12 DUP
Lab Sample ID		C4A280040-006	C4H110018-002	C4I070037-001	C4G140004-004	C4G140004-005
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/94	08/10/94	08/10/94	07/13/94	07/13/94
Parameter	Units					FIELD DUPLICATE (1-1)
Semivolatile Organic Compounds						
Isophorone	UG/L	20 U	10 U	NA	10 U	10 U
3-Methylphenol & 4-Methylphenol	UG/L	10 U	10 U	NA	10 U	10 U
2-Methylphenol	UG/L	20 U	10 U	NA	10 U	10 U
Naphthalene	UG/L	280	10 U	NA	100	120
Pentachlorophenol	UG/L	100 U	50 U	NA	50 U	50 U
Phenanthrene	UG/L	10 J	10 U	NA	10 U	10 U
Phenol	UG/L	20 U	10 U	NA	10 U	10 U
Pyrene	UG/L	20 U	10 U	NA	3.3 J	10 U
Pyridine	UG/L	20 U	NA	NA	10 U	10 U
2,3,4,6-Tetrachlorophenol	UG/L	20 U	10 U	NA	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	20 U	10 U	NA	10 U	10 U
2,4,5-Trichlorophenol	UG/L	20 U	10 U	NA	10 U	10 U
2,4,6-Trichlorophenol	UG/L	20 U	10 U	NA	10 U	10 U
Metals						
Antimony	UG/L	NA	300 U	NA	60.0 U	60.0 U
Arsenic	UG/L	NA	10.0 U	NA	10.0 U	10.0 U
Barium	UG/L	NA	994	NA	200 U	200 U
Cadmium	UG/L	NA	25.0 U	NA	5.0 U	5.0 U
Calcium	UG/L	NA	1,120,000 J,Q	NA	NA	NA
Chromium	UG/L	NA	50.0 U	NA	10.0 U	10.0 U
Copper	UG/L	NA	NA	25.0 U	NA	NA
Iron	UG/L	NA	NA	114	NA	NA
Lead	UG/L	NA	50.0 U	NA	3.0 U	3.0 U
Magnesium	UG/L	NA	NA	NA	5,000 U	5,000 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-12' OR [LOCID] =

PHASE IIB (JANUARY THROUGH SEPTEMBER 1994)
GROUNDWATER

Location ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12
Sample ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12 DUP
Lab Sample ID		C4A280040-006	C4H110018-002	C4I070037-001	C4G140004-004	C4G140004-005
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/94	08/10/94	08/10/94	07/13/94	07/13/94
Parameter	Units					FIELD DUPLICATE (1-1)
Metals						
Manganese	UG/L	NA	NA	96 8	NA	NA
Mercury	UG/L	NA	0 20 U	NA	0.20 U	0 20 U
Nickel	UG/L	NA	200 U	NA	40 0 U	40 0 U
Potassium	UG/L	NA	51,400	NA	10,200	104,000
Selenium	UG/L	NA	R	NA	5 0 U	6.8
Silver	UG/L	NA	50 0 U	NA	10.0 U	10 0 U
Sodium	UG/L	NA	3,220,000	NA	73,200	74,200
Thallium	UG/L	NA	10 0 U	NA	10 0 U	10 0 U
Zinc	UG/L	NA	NA	20.0 U	NA	NA
Dissolved Metals						
Antimony -DISS	UG/L	60 U	1,500 U	NA	60 0 U	60 0 U
Arsenic -DISS	UG/L	10 U	10 0 U	NA	10.0 U	10.0 U
Barium -DISS	UG/L	200 U	1,090	NA	200 U	200 U
Cadmium -DISS	UG/L	5 U	125 U	NA	5.0 U	5.0 U
Calcium -DISS	UG/L	156,000	1,310,000 J,Q1	NA	NA	NA
Chromium -DISS	UG/L	10 U	250 U	NA	10.0 U	10.0 U
Copper -DISS	UG/L	NA	NA	25.0 U	NA	NA
Iron -DISS	UG/L	NA	NA	1,010	NA	NA
Lead -DISS	UG/L	3.0 U	50.0 U	NA	3 0 U	3.0 U
Magnesium -DISS	UG/L	28,100	NA	NA	5,000 U	5,000 U
Manganese -DISS	UG/L	NA	NA	150	NA	NA
Mercury -DISS	UG/L	0 20 U	0.20 U	NA	0 20 U	0.20 U
Nickel -DISS	UG/L	40 U	1,000 U	NA	40 0 U	40 0 U
Potassium -DISS	UG/L	145,000	49,100	NA	110,000	110,000

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D2' OR [LOCID] = 'MW-1D3' OR [LOCID] = 'MW-1D4' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MW-2D3' OR [LOCID] = 'MW-2D4' OR [LOCID] = 'MW-2U1' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-12' OR [LOCID] =

PHASE IIB (JANUARY THROUGH SEPTEMBER 1994)
GROUNDWATER

Location ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12
Sample ID		MW-2U1	MWN-03D	MWN-03D	MWN-12	MWN-12 DUP
Lab Sample ID		C4A280040-006	C4H110018-002	C4I070037-001	C4G140004-004	C4G140004-005
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/94	08/10/94	08/10/94	07/13/94	07/13/94
Parameter	Units					FIELD DUPLICATE (1-1)
Dissolved Metals						
Selenium -DISS	UG/L	5.0 U	R	NA	5.0 U	5.0 U
Silver -DISS	UG/L	10 U	250 U	NA	10.0 U	10.0 U
Sodium -DISS	UG/L	89,100	3,130,000	NA	79,000	78,600
Thallium -DISS	UG/L	10 U	10.0 U	NA	10.0 U	10.0 U
Zinc -DISS	UG/L	NA	NA	21.1	NA	NA
General Chemistry Parameters						
Alkalinity (Total)	MG/L	65.3	803	NA	414	413
Carbonate Alkalinity (as CaCO3)	MG/L	18.1	5 U	NA	30.8	39.0
Chloride	MG/L	269	9,130	NA	126	128
Cyanide	MG/L	NA	0.010 U	NA	0.010 U	0.010 U
Cyanide Free	MG/L	0.01 U	NA	NA	NA	NA
Nitrate Nitrogen	MG/L	0.82	NA	NA	0.068	0.093
pH Liquid	S.U.	NA	6.5	NA	11.8	11.8
Sulfate	MG/L	483	5.0 U	NA	395	392
Total Organic Carbon	MG/L	NA	129	NA	NA	NA
Total Dissolved Solids	MG/L	1,410	782	NA	1,290	33,200
Total Organic Halogens	MG/L	0.050 U	0.50 U	NA	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.012	0.025 U	NA	NA	NA
Total Suspended Solids	MG/L	NA	608	NA	NA	NA
Total Solids	MG/L	NA	21,300	NA	NA	NA
Specific Conductance	UMHOS/CM	NA	23,600	NA	2,580	2,590

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

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GROUNDWATER

AQUEOUS

PHASE II-C

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MW-2D2D	MW-2D2D	MW-2D2D	MWN-01B	MWN-02B
Sample ID		MW-2D2D DUP	MW-2D2D DUP	MW-2D2D DUP	MWN-01B	MWN-02B
Lab Sample ID		C5A310024-003	C6K190104-037	C6K190104-038	C5A250040-003	C5A270026-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/30/95	01/30/95	01/30/95	01/24/95	01/26/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Volatile Organic Compounds						
Acrylonitrile	UG/L	50 U	NA	NA	50 U	50 U
Benzene	UG/L	93	NA	NA	55 J,s	36
Bromodichloromethane	UG/L	5 U	NA	NA	5.0 U	5 U
Bromoform	UG/L	5 U	NA	NA	5.0 U	5 U
Bromomethane	UG/L	10 U	NA	NA	10 U	10 U
Carbon disulfide	UG/L	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/L	5 U	NA	NA	5.0 U	5 U
Chlorobenzene	UG/L	5 U	NA	NA	5.0 U	5 U
Chloroethane	UG/L	10 UJ,r	NA	NA	10 UJ,r	10 U
2-Chloroethyl vinyl ether	UG/L	R	NA	NA	R	10 U
Chloroform	UG/L	5 U	NA	NA	5.0 U	5 U
Chloromethane	UG/L	10 U	NA	NA	10 U	10 U
Dibromochloromethane	UG/L	5 U	NA	NA	5.0 U	5 U
Dichlorodifluoromethane	UG/L	10 UJ,c	NA	NA	10 U	10 U
1,1-Dichloroethane	UG/L	5 U	NA	NA	5.0 U	5 U
1,2-Dichloroethane	UG/L	5 U	NA	NA	5.0 U	5 U
1,1-Dichloroethene	UG/L	5 U	NA	NA	5.0 U	5 U
trans-1,2-Dichloroethene	UG/L	5 U	NA	NA	5.0 U	5 U
1,2-Dichloropropane	UG/L	5 U	NA	NA	5.0 U	5 U
is-1,3-Dichloropropene	UG/L	5 U	NA	NA	5.0 U	5 U
ıs-1,3-Dichloropropene	UG/L	5 U	NA	NA	5.0 U	5 U
benzene	UG/L	15	NA	NA	5.0 U	5 U

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MW-2D2D	MW-2D2D	MW-2D2D	MWN-01B	MWN-02B
Sample ID		MW-2D2D DUP	MW-2D2D DUP	MW-2D2D DUP	MWN-01B	MWN-02B
Lab Sample ID		C5A310024-003	C6K190104-037	C6K190104-038	C5A250040-003	C5A270026-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/30/95	01/30/95	01/30/95	01/24/95	01/26/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	UG/L	5 U	NA	NA	5.0 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	NA	NA	5.0 U	5 UJ,c
Tetrachloroethene	UG/L	5 UJ,c	NA	NA	5.0 U	5 U
Toluene	UG/L	6.1	NA	NA	29 J,s	5
1,1,1-Trichloroethane	UG/L	5 U	NA	NA	5.0 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	NA	NA	5.0 U	5 U
Trichloroethene	UG/L	5 U	NA	NA	5.0 U	5 U
Trichlorofluoromethane	UG/L	5 U	NA	NA	5.0 U	5 U
Vinyl chloride	UG/L	10 U	NA	NA	10 U	10 U
Xylenes, Total	UG/L	42	NA	NA	33 J,s	5
Semivolatile Organic Compounds						
Acenaphthene	UG/L	NA	NA	NA	NA	NA
Acenaphthylene	UG/L	10 U	NA	NA	8.8 J	30 U
Anthracene	UG/L	10 U	NA	NA	5.3 J	30 U
Benzo(a)anthracene	UG/L	10 U	NA	NA	10 U	30 U
Benzo(a)pyrene	UG/L	10 U	NA	NA	10 U	30 U
Benzo(b)fluoranthene	UG/L	NA	NA	NA	NA	NA
Benzo(ghi)perylene	UG/L	NA	NA	NA	NA	
Benzo(k)fluoranthene	UG/L	NA	NA	NA	NA	
Butyl benzyl phthalate	UG/L	10 U	NA	NA	10 U	
4-Chloro-3-methylphenol	UG/L	10 U	NA	NA	10 U	
bis(2-Chloroethyl)ether	UG/L	10 U	NA	NA	10	
2-Chloronaphthalene	UG/L	10 U	NA	NA		
Chrysene	UG/L	10 U	NA	NA		

Flags assigned during chemistry validation are shown.

Flags assigned

Detection Limits

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] =

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MW-2D2D	MW-2D2D	MW-2D2D	MWN-01B	MWN-02B
Sample ID		MW-2D2D DUP	MW-2D2D DUP	MW-2D2D DUP	MWN-01B	MWN-02B
Lab Sample ID		C5A310024-003	C6K190104-037	C6K190104-038	C5A250040-003	C5A270026-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/30/95	01/30/95	01/30/95	01/24/95	01/26/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Semivolatile Organic Compounds						
Di-n-butyl phthalate	UG/L	10 U	NA	NA	10 U	30 U
Di-n-octyl phthalate	UG/L	10 U	NA	NA	10 U	30 UJ,c
Dibenz(a,h)anthracene	UG/L	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	UG/L	10 U	NA	NA	10 U	30 U
1,3-Dichlorobenzene	UG/L	10 U	NA	NA	10 U	30 U
1,4-Dichlorobenzene	UG/L	10 U	NA	NA	10 U	30 U
2,4-Dichlorophenol	UG/L	10 U	NA	NA	10 U	30 U
Diethyl phthalate	UG/L	10 U	NA	NA	10 U	30 U
Dimethyl phthalate	UG/L	10 U	NA	NA	10 UJ,l	30 U
2,4-Dimethylphenol	UG/L	10 U	NA	NA	2.1 J	16 J
4,6-Dinitro-2-methylphenol	UG/L	50 U	NA	NA	50 U	150 U
2,4-Dinitrotoluene	UG/L	10 U	NA	NA	10 U	30 U
2,6-Dinitrotoluene	UG/L	10 U	NA	NA	10 U	30 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	NA	NA	10 U	30 U
Fluoranthene	UG/L	10 U	NA	NA	15	30 U
Fluorene	UG/L	10 U	NA	NA	11	15 J
Hexachlorobenzene	UG/L	10 U	NA	NA	10 UJ,c	30 UJ,c
Hexachlorobutadiene	UG/L	10 U	NA	NA	10 U	30 U
Hexachlorocyclopentadiene	UG/L	10 UJ,c	NA	NA	10 U	30 U
Hexachloroethane	UG/L	10 U	NA	NA	10 U	30 U
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	NA	NA	NA
Isophorone	UG/L	10 U	NA	NA	10 U	30 U
3-Methylphenol & 4-Methylphenol	UG/L	10 U	NA	NA	2.7 J	350
2-Methylphenol	UG/L	10 U	NA	NA	2.6 J	66

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

(LOCID) = 'MW-1D1' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2B' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MWN-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-1Z' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MW-2D2D	MW-2D2D	MW-2D2D	MWN-01B	MWN-02B
Sample ID		MW-2D2D DUP	MW-2D2D DUP	MW-2D2D DUP	MWN-01B	MWN-02B
Lab Sample ID		C5A310024-003	C6K190104-037	C6K190104-038	C5A250040-003	C5A270026-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/30/95	01/30/95	01/30/95	01/24/95	01/26/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Semivolatile Organic Compounds						
Naphthalene	UG/L	10 U	NA	NA	33	190
Pentachlorophenol	UG/L	50 U	NA	NA	50 U	150 U
Phenanthrene	UG/L	10 U	NA	NA	26	26 J
Phenol	UG/L	10 U	NA	NA	3.7 J,l	140
Pyrene	UG/L	10 U	NA	NA	10	30 U
Pyridine	UG/L	10 U	NA	NA	10 U	13 J,c
2,3,4,6-Tetrachlorophenol	UG/L	10 U	NA	NA	10 U	30 U
1,2,4-Trichlorobenzene	UG/L	10 U	NA	NA	10 U	30 U
2,4,5-Trichlorophenol	UG/L	10 U	NA	NA	10 U	30 U
2,4,6-Trichlorophenol	UG/L	10 U	NA	NA	10 U	30 U
Metals						
Aluminum	UG/L	NA	NA	NA	NA	NA
Antimony	UG/L	60 UJ,c	NA	NA	60.0 UJ,m	60 U
Arsenic	UG/L	10 U	NA	NA	10.0 UJ	42.8
Barium	UG/L	492	NA	NA	200 U	200 U
Beryllium	UG/L	NA	NA	NA	NA	NA
Cadmium	UG/L	5 U	NA	NA	5.0 U	5 U
Calcium	UG/L	148,000	NA	NA	94,400	92,900 J,Q
Chromium	UG/L	10 U	NA	NA	10.0 U	10 U
Cobalt	UG/L	NA	NA	NA	NA	NA
Copper	UG/L	NA	25.0 U	NA	NA	NA
Iron	UG/L	NA	490	NA	NA	NA
Lead	UG/L	3 UJ,c	NA	NA	4.5	7.5 J,c
Magnesium	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-101' OR [LOCID] = 'MW-2D2B' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MWN-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MW-2D2D	MW-2D2D	MW-2D2D	MWN-01B	MWN-02B
Sample ID		MW-2D2D DUP	MW-2D2D DUP	MW-2D2D DUP	MWN-01B	MWN-02B
Lab Sample ID		C5A310024-003	C6K190104-037	C6K190104-038	C5A250040-003	C5A270026-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/30/95	01/30/95	01/30/95	01/24/95	01/26/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Metals						
Manganese	UG/L	NA	43.0	NA	NA	NA
Mercury	UG/L	0.2 UJ,c	NA	NA	0.20 U	0.2 UJ,c
Molybdenum	UG/L	NA	NA	NA	NA	NA
Nickel	UG/L	40 U	NA	NA	40.0 U	40 U
Potassium	UG/L	22,500	NA	NA	53,100	34,900 J,k
Selenium	UG/L	R	NA	NA	R	R
Silver	UG/L	10 U	NA	NA	10.0 UJ,c	10 UJ,c
Sodium	UG/L	1,370,000	NA	NA	72,800 J,Q1	94,000
Strontium	UG/L	NA	NA	NA	NA	NA
Thallium	UG/L	R	NA	NA	10.0 UJ	10 UJ
Tin	UG/L	NA	NA	NA	NA	NA
Vanadium	UG/L	NA	NA	NA	NA	NA
Zinc	UG/L	NA	21.5	NA	NA	NA
Dissolved Metals						
Antimony -DISS	UG/L	60 U	NA	NA	60.0 UJ	60 UJ,m
Arsenic -DISS	UG/L	10 U	NA	NA	12.5 J,Q1	36
Barium -DISS	UG/L	335	NA	NA	200 U	200 U
Cadmium -DISS	UG/L	5 U	NA	NA	5.0 U	5 U
Calcium -DISS	UG/L	150,000 J,k	NA	NA	101,000	105,000 J,m
Chromium -DISS	UG/L	10 U	NA	NA	10.0 U	10 U
Copper -DISS	UG/L	NA	NA	25.0 U	NA	NA
Iron -DISS	UG/L	NA	NA	130	NA	NA
Lead -DISS	UG/L	3 UJ,m	NA	NA	3.0 U	3 U
Magnesium -DISS	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D5' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2B' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MWN-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MW-2D2D	MW-2D2D	MW-2D2D	MWN-01B	MWN-02B
Sample ID		MW-2D2D DUP	MW-2D2D DUP	MW-2D2D DUP	MWN-01B	MWN-02B
Lab Sample ID		C5A310024-003	C6K190104-037	C6K190104-038	C5A250040-003	C5A270026-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/30/95	01/30/95	01/30/95	01/24/95	01/26/95
Parameter	**Units**	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Dissolved Metals						
Manganese -DISS	UG/L	NA	NA	46.4	NA	NA
Mercury -DISS	UG/L	0.2 UJ,c	NA	NA	0.20 U	0.2 U
Nickel -DISS	UG/L	40 UJ,m	NA	NA	40.0 U	40 U
Potassium -DISS	UG/L	24,300	NA	NA	58,400	36,700
Selenium -DISS	UG/L	R	NA	NA	R	R
Silver -DISS	UG/L	10 U	NA	NA	10.0 U	10 U
Sodium -DISS	UG/L	R	NA	NA	80,500 J,Q1	100,000
Thallium -DISS	UG/L	50 UJ	NA	NA	R	R
Zinc -DISS	UG/L	NA	NA	20.0 U	NA	NA
General Chemistry Parameters						
Alkalinity (Total)	MG/L	748	NA	NA	142	208
Carbonate Alkalinity (as CaCO3)	MG/L	NA	NA	NA	64	48
Chloride	MG/L	2,220	NA	NA	168	169 J,m
Cyanide	MG/L	0.010 UJ,m	NA	NA	0.099	0.062 J,m
Nitrate Nitrogen	MG/L	NA	NA	NA	NA	NA
pH Liquid	S.U.	7.2	NA	NA	11	11.2
Sulfate	MG/L	239	NA	NA	206	168 J,m
Total Organic Carbon	MG/L	150	NA	NA	4.7 J,c	14.1
Total Dissolved Solids	MG/L	5,180	NA	NA	5,220	751
Total Organic Halogens	MG/L	0.51	NA	NA	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.16	NA	NA	0.1	0.58
Total Suspended Solids	MG/L	26	NA	NA	21	12
Total Solids	MG/L	5,130	NA	NA	5,240 J,c	753
Specific Conductance	UMHOS/CM	6,820	NA	NA	1,160	1,330

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

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PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-02B	MWN-02B	MWN-02B	MWN-03B	MWN-03D
Sample ID		MWN-02B DUP	MWN-02B DUP	MWN-02B DUP	MWN-03B	MWN-03D
Lab Sample ID		C5A270026-002	C6K190104-019	C6K190104-020	C5A270026-003	C5A310024-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/95	01/26/95	01/26/95	01/26/95	01/30/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Volatile Organic Compounds						
Acrylonitrile	UG/L	50 U	NA	NA	50 U	50 U
Benzene	UG/L	37	NA	NA	3 J	4 J
Bromodichloromethane	UG/L	5 U	NA	NA	5 U	5 U
Bromoform	UG/L	5 U	NA	NA	5 U	5 U
Bromomethane	UG/L	10 U	NA	NA	10 U	10 U
Carbon disulfide	UG/L	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/L	5 U	NA	NA	5 U	5 U
Chlorobenzene	UG/L	5 U	NA	NA	5 U	5 U
Chloroethane	UG/L	10 U	NA	NA	10 U	10 UJ,r
2-Chloroethyl vinyl ether	UG/L	10 U	NA	NA	10 U	R
Chloroform	UG/L	5 U	NA	NA	5 U	5 U
Chloromethane	UG/L	10 U	NA	NA	10 U	10 U
Dibromochloromethane	UG/L	5 U	NA	NA	5 U	5 U
Dichlorodifluoromethane	UG/L	10 U	NA	NA	10 U	10 UJ,c
1,1-Dichloroethane	UG/L	5 U	NA	NA	5 U	5 U
1,2-Dichloroethane	UG/L	5 U	NA	NA	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	NA	NA	5 U	5 U
trans-1,2-Dichloroethene	UG/L	5 U	NA	NA	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	NA	NA	5 U	5 U
cis-1,3-Dichloropropene	UG/L	5 U	NA	NA	5 U	5 U
trans-1,3-Dichloropropene	UG/L	5 U	NA	NA	5 U	5 U
Ethylbenzene	UG/L	5 U	NA	NA	5 U	5 U
Methyl ethyl ketone	UG/L	NA	NA	NA	NA	NA
Methylene chloride	UG/L	10 U	NA	NA	10 U	10 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

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PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-02B	MWN-02B	MWN-02B	MWN-03B	MWN-03D
Sample ID		MWN-02B DUP	MWN-02B DUP	MWN-02B DUP	MWN-03B	MWN-03D
Lab Sample ID		C5A270026-002	C6K190104-019	C6K190104-020	C5A270026-003	C5A310024-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/95	01/26/95	01/26/95	01/26/95	01/30/95
Parameter	**Units**	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	UG/L	5 U	NA	NA	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 UJ,c	NA	NA	5 UJ,c	5 U
Tetrachloroethene	UG/L	5 U	NA	NA	5 U	5 U
Toluene	UG/L	6	NA	NA	5 U	3.7 J
1,1,1-Trichloroethane	UG/L	5 U	NA	NA	5 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	NA	NA	5 U	5 U
Trichloroethene	UG/L	5 U	NA	NA	5 U	5 U
Trichlorofluoromethane	UG/L	5 U	NA	NA	5 U	5 U
Vinyl chloride	UG/L	10 U	NA	NA	10 U	10 U
Xylenes, Total	UG/L	6	NA	NA	5 U	12
Semivolatile Organic Compounds						
Acenaphthene	UG/L	NA	NA	NA	NA	NA
Acenaphthylene	UG/L	30 U	NA	NA	10 U	10 U
Anthracene	UG/L	30 U	NA	NA	10 U	10 U
Benzo(a)anthracene	UG/L	30 U	NA	NA	10 U	10 U
Benzo(a)pyrene	UG/L	30 U	NA	NA	10 U	10 U
Benzo(b)fluoranthene	UG/L	NA	NA	NA	NA	NA
Benzo(ghi)perylene	UG/L	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	UG/L	NA	NA	NA	NA	NA
Butyl benzyl phthalate	UG/L	30 U	NA	NA	10 U	10 U
4-Chloro-3-methylphenol	UG/L	30 U	NA	NA	10 U	10 U
bis(2-Chloroethyl)ether	UG/L	30 U	NA	NA	10 U	10 U
2-Chloronaphthalene	UG/L	30 U	NA	NA	10 U	10 U
Chrysene	UG/L	30 U	NA	NA	10 U	10 U

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PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-02B	MWN-02B	MWN-02B	MWN-03B	MWN-03D
Sample ID		MWN-02B DUP	MWN-02B DUP	MWN-02B DUP	MWN-03B	MWN-03D
Lab Sample ID		C5A270026-002	C6K190104-019	C6K190104-020	C5A270026-003	C5A310024-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/95	01/26/95	01/26/95	01/26/95	01/30/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Semivolatile Organic Compounds						
Di-n-butyl phthalate	UG/L	30 U	NA	NA	10 U	10 U
Di-n-octyl phthalate	UG/L	30 UJ,c	NA	NA	10 UJ,c	10 U
Dibenz(a,h)anthracene	UG/L	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	UG/L	30 U	NA	NA	10 U	10 U
1,3-Dichlorobenzene	UG/L	30 U	NA	NA	10 U	10 U
1,4-Dichlorobenzene	UG/L	30 U	NA	NA	10 U	10 U
2,4-Dichlorophenol	UG/L	30 U	NA	NA	10 U	10 U
Diethyl phthalate	UG/L	30 U	NA	NA	10 U	10 U
Dimethyl phthalate	UG/L	30 U	NA	NA	10 U	10 U
2,4-Dimethylphenol	UG/L	30 U	NA	NA	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	150 U	NA	NA	50 U	50 U
2,4-Dinitrotoluene	UG/L	30 U	NA	NA	10 U	10 U
2,6-Dinitrotoluene	UG/L	30 U	NA	NA	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	30 U	NA	NA	10 U,z	10 U
Fluoranthene	UG/L	30 U	NA	NA	10 U	10 U
Fluorene	UG/L	14 J	NA	NA	10 U	10 U
Hexachlorobenzene	UG/L	30 UJ,c	NA	NA	10 UJ,c	10 U
Hexachlorobutadiene	UG/L	30 U	NA	NA	10 U	10 U
Hexachlorocyclopentadiene	UG/L	30 U	NA	NA	10 U	10 UJ,c
Hexachloroethane	UG/L	30 U	NA	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	NA	NA	NA
Isophorone	UG/L	30 U	NA	NA	10 U	10 U
3-Methylphenol & 4-Methylphenol	UG/L	340	NA	NA	10 U	10 U
2-Methylphenol	UG/L	66	NA	NA	10 U	10 U

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PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-02B	MWN-02B	MWN-02B	MWN-03B	MWN-03D
Sample ID		MWN-02B DUP	MWN-02B DUP	MWN-02B DUP	MWN-03B	MWN-03D
Lab Sample ID		C5A270026-002	C6K190104-019	C6K190104-020	C5A270026-003	C5A310024-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/95	01/26/95	01/26/95	01/26/95	01/30/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Semivolatile Organic Compounds						
Naphthalene	UG/L	30 U	NA	NA	2.6 J	10 U
Pentachlorophenol	UG/L	150 U	NA	NA	50 U	50 U
Phenanthrene	UG/L	26 J	NA	NA	2.1 J	10 U
Phenol	UG/L	140	NA	NA	10 U	10 U
Pyrene	UG/L	30 U	NA	NA	10 U	10 U
Pyridine	UG/L	8.7 J,c	NA	NA	10 UJ,c	10 U
2,3,4,6-Tetrachlorophenol	UG/L	30 U	NA	NA	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	30 U	NA	NA	10 U	10 U
2,4,5-Trichlorophenol	UG/L	30 U	NA	NA	10 U	10 U
2,4,6-Trichlorophenol	UG/L	30 U	NA	NA	10 U	10 U
Metals						
Aluminum	UG/L	NA	NA	NA	NA	NA
Antimony	UG/L	60 U	NA	NA	60 U	60 UJ,c
Arsenic	UG/L	44.6	NA	NA	46.4	10 U
Barium	UG/L	200 U	NA	NA	200 U	976
Beryllium	UG/L	NA	NA	NA	NA	NA
Cadmium	UG/L	5 U	NA	NA	5 U	5 U
Calcium	UG/L	90,000 J,Q	NA	NA	79,000	935,000 J,k
Chromium	UG/L	10 U	NA	NA	20.1	17
Cobalt	UG/L	NA	NA	NA	NA	NA
Copper	UG/L	NA	25.0 U	NA	NA	NA
Iron	UG/L	NA	1,870	NA	NA	NA
Lead	UG/L	4.2 J,c	NA	NA	11 J,c	3 UJ,c
Magnesium	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown

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PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-02B	MWN-02B	MWN-02B	MWN-03B	MWN-03D
Sample ID		MWN-02B DUP	MWN-02B DUP	MWN-02B DUP	MWN-03B	MWN-03D
Lab Sample ID		C5A270026-002	C6K190104-019	C6K190104-020	C5A270026-003	C5A310024-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/95	01/26/95	01/26/95	01/26/95	01/30/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Metals						
Manganese	UG/L	NA	76.2	NA	NA	NA
Mercury	UG/L	0.2 UJ,c	NA	NA	0.2 UJ,c	0.2 UJ,c
Molybdenum	UG/L	NA	NA	NA	NA	NA
Nickel	UG/L	40 U	NA	NA	40 U	40 UJ,m
Potassium	UG/L	33,700 J,k	NA	NA	12,400 J,k	37,600 J,Q1
Selenium	UG/L	R	NA	NA	R	R
Silver	UG/L	10 U	NA	NA	10 U	10 U
Sodium	UG/L	92,000	NA	NA	39,300	2,710,000 J,Q1
Strontium	UG/L	NA	NA	NA	NA	NA
Thallium	UG/L	50 UJ	NA	NA	10 UJ	R
Tin	UG/L	NA	NA	NA	NA	NA
Vanadium	UG/L	NA	NA	NA	NA	NA
Zinc	UG/L	NA	28.4	NA	NA	NA
Dissolved Metals						
Antimony -DISS	UG/L	60 UJ,m	NA	NA	60 UJ,m	60 U
Arsenic -DISS	UG/L	36.9	NA	NA	37	10 U
Barium -DISS	UG/L	200 U	NA	NA	200 U	1,000
Cadmium -DISS	UG/L	5 U	NA	NA	5 U	5 U
Calcium -DISS	UG/L	104,000 J,m	NA	NA	61,800 J,m	964,000 J,k
Chromium -DISS	UG/L	10 U	NA	NA	10 U	10 U
Copper -DISS	UG/L	NA	NA	25.0 U	NA	NA
Iron -DISS	UG/L	NA	NA	100 U	NA	NA
Lead -DISS	UG/L	3 U	NA	NA	3 U	3 UJ,m
Magnesium -DISS	UG/L	NA	NA	NA	NA	NA

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PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-02B	MWN-02B	MWN-02B	MWN-03B	MWN-03D
Sample ID		MWN-02B DUP	MWN-02B DUP	MWN-02B DUP	MWN-03B	MWN-03D
Lab Sample ID		C5A270026-002	C6K190104-019	C6K190104-020	C5A270026-003	C5A310024-001
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/26/95	01/26/95	01/26/95	01/26/95	01/30/95
Parameter	Units	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)		
Dissolved Metals						
Manganese -DISS	UG/L	NA	NA	15.0 U	NA	NA
Mercury -DISS	UG/L	0.2 U	NA	NA	0.2 U	0.2 UJ,c
Nickel -DISS	UG/L	40 U	NA	NA	40 U	40 UJ,m
Potassium -DISS	UG/L	36,100	NA	NA	12,900	42,900 J,Q1
Selenium -DISS	UG/L	R	NA	NA	R	R
Silver -DISS	UG/L	10 UJ,c	NA	NA	10 UJ,c	10 U
Sodium -DISS	UG/L	98,900	NA	NA	42,100	R
Thallium -DISS	UG/L	R	NA	NA	R	50 UJ
Zinc -DISS	UG/L	NA	NA	20.0 U	NA	NA
General Chemistry Parameters						
Alkalinity (Total)	MG/L	206	NA	NA	506	822
Carbonate Alkalinity (as CaCO3)	MG/L	44	NA	NA	NA	NA
Chloride	MG/L	168 J,m	NA	NA	64.5 J,m	10,300
Cyanide	MG/L	0.68 J,m	NA	NA	R	0.010 UJ,m
Nitrate Nitrogen	MG/L	NA	NA	NA	NA	NA
pH Liquid	S.U.	11.2	NA	NA	8.1	6.6
Sulfate	MG/L	164 J,m	NA	NA	R	5 U
Total Organic Carbon	MG/L	14.2	NA	NA	59	121
Total Dissolved Solids	MG/L	740	NA	NA	513	14,100
Total Organic Halogens	MG/L	0.050 U	NA	NA	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.59	NA	NA	0.005 U	0.005 UJ,h
Total Suspended Solids	MG/L	12	NA	NA	163	574
Total Solids	MG/L	756	NA	NA	744	16,600
Specific Conductance	UMHOS/CM	1,320	NA	NA	1,070	20,200

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1 OR [LOCID] = 'MW-202B' OR [LOCID] = 'MW-202D' OR [LOCID] = 'MWN-01B OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-05B	MWN-11	MWN-11	MWN-12	MWN-12
Sample ID		MWN-05B	MWN-11	MWN-11 DUP	MWN-12	MWN-12 DUP
Lab Sample ID		C5A250040-001	C4J280050-009	C4J280050-010	C5A120010-003	C5A120010-004
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/24/95	10/26/94	10/26/94	01/11/95	01/11/95
Parameter	Units			FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)
Volatile Organic Compounds						
Acrylonitrile	UG/L	50 U	NA	NA	50 U	50 U
Benzene	UG/L	45 J,s	78 J,l	1 UJ,l	4 1 J	4.2 J
Bromodichloromethane	UG/L	5 0 U	NA	NA	5.0 U	5 0 U
Bromoform	UG/L	5.0 U	NA	NA	5.0 UJ,c	5.0 UJ,c
Bromomethane	UG/L	10 U	NA	NA	10 U	10 U
Carbon disulfide	UG/L	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
Chlorobenzene	UG/L	48 J,s	10 U	1 U	5.0 U	5.0 U
Chloroethane	UG/L	10 UJ,r	NA	NA	10 UJ,r	10 UJ,r
2-Chloroethyl vinyl ether	UG/L	R	NA	NA	R	R
Chloroform	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
Chloromethane	UG/L	10 U	NA	NA	10 U	10 U
Dibromochloromethane	UG/L	5 0 U	NA	NA	5 0 UJ,c	5 0 UJ,c
Dichlorodifluoromethane	UG/L	10 U	NA	NA	10 U	10 U
1,1-Dichloroethane	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
1,2-Dichloroethane	UG/L	5 0 U	NA	NA	5.0 U	5 0 U
1,1-Dichloroethene	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
trans-1,2-Dichloroethene	UG/L	5.0 U	NA	NA	5 0 U	5.0 U
1,2-Dichloropropane	UG/L	5 0 U	NA	NA	5 0 U	5.0 U
cis-1,3-Dichloropropene	UG/L	5.0 U	NA	NA	5 0 U	5.0 U
trans-1,3-Dichloropropene	UG/L	5.0 U	NA	NA	5.0 U	5 0 U
Ethylbenzene	UG/L	6 8 J,s	10 U	1 U	2.2 J	3 1 J
Methyl ethyl ketone	UG/L	NA	NA	NA	NA	NA
Methylene chloride	UG/L	10 U	NA	NA	10 U	10 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D5' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2B' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MWN-010' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-05B	MWN-11	MWN-11	MWN-12	MWN-12
Sample ID		MWN-05B	MWN-11	MWN-11 DUP	MWN-12	MWN-12 DUP
Lab Sample ID		C5A250040-001	C4J280050-009	C4J280050-010	C5A120010-003	C5A120010-004
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/24/95	10/26/94	10/26/94	01/11/95	01/11/95
Parameter	Units			FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
Tetrachloroethene	UG/L	5.0 U	NA	NA	5.0 UJ,c	5.0 UJ,c
Toluene	UG/L	32 J,s	17 J,c	1 UJ,c	5.0 U	2.0 J
1,1,1-Trichloroethane	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
1,1,2-Trichloroethane	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
Trichloroethene	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	5.0 U	NA	NA	5.0 U	5.0 U
Vinyl chloride	UG/L	10 U	NA	NA	10 U	10 U
Xylenes, Total	UG/L	38 J,s	10 U	1 U	5.0	4.8 J
Semivolatile Organic Compounds						
Acenaphthene	UG/L	NA	NA	NA	NA	NA
Acenaphthylene	UG/L	130	NA	NA	6.9 J	8.4 J
Anthracene	UG/L	18 J	NA	NA	4.2 J	5.1 J
Benzo(a)anthracene	UG/L	40 U	NA	NA	10 U	10 U
Benzo(a)pyrene	UG/L	40 U	NA	NA	10 U	10 U
Benzo(b)fluoranthene	UG/L	NA	NA	NA	NA	NA
Benzo(ghi)perylene	UG/L	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	UG/L	NA	NA	NA	NA	NA
Butyl benzyl phthalate	UG/L	40 U	NA	NA	10 U	10 U
4-Chloro-3-methylphenol	UG/L	40 U	NA	NA	10 U	10 U
bis(2-Chloroethyl)ether	UG/L	40 U	NA	NA	10 U	10 U
2-Chloronaphthalene	UG/L	40 U	NA	NA	10 U	10 U
Chrysene	UG/L	40 U	NA	NA	10 U	10 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2B' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MWN-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-05B	MWN-11	MWN-11	MWN-12	MWN-12
Sample ID		MWN-05B	MWN-11	MWN-11 DUP	MWN-12	MWN-12 DUP
Lab Sample ID		C5A250040-001	C4J280050-009	C4J280050-010	C5A120010-003	C5A120010-004
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/24/95	10/26/94	10/26/94	01/11/95	01/11/95
Parameter	Units			FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)
Semivolatile Organic Compounds						
Di-n-butyl phthalate	UG/L	40 U	NA	NA	10 U	10 U
Di-n-octyl phthalate	UG/L	40 U	NA	NA	10 UJ,c	10 U
Dibenz(a,h)anthracene	UG/L	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	UG/L	40 U	10 U	1 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	40 U	10 U	1 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	40 U	10 U	1 U	10 U	10 U
2,4-Dichlorophenol	UG/L	40 U	NA	NA	10 U	10 U
Diethyl phthalate	UG/L	40 U	NA	NA	10 U	10 U
Dimethyl phthalate	UG/L	40 UJ,l	NA	NA	10 U	10 U
2,4-Dimethylphenol	UG/L	40 U	NA	NA	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	200 U	NA	NA	50 UJ,c	50 U
2,4-Dinitrotoluene	UG/L	40 U	NA	NA	10 U	10 U
2,6-Dinitrotoluene	UG/L	40 U	NA	NA	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	40 U	NA	NA	10 U	10 U
Fluoranthene	UG/L	21 J	NA	NA	10	11
Fluorene	UG/L	72	NA	NA	26	30
Hexachlorobenzene	UG/L	40 U	NA	NA	10 U	10 U
Hexachlorobutadiene	UG/L	40 U	NA	NA	10 U	10 U
Hexachlorocyclopentadiene	UG/L	40 U	NA	NA	10 U	10 U
Hexachloroethane	UG/L	40 U	NA	NA	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	NA	NA	NA
Isophorone	UG/L	40 U	NA	NA	10 U	10 U
3-Methylphenol & 4-Methylphenol	UG/L	45	NA	NA	2 2 J	2 6 J
2-Methylphenol	UG/L	10 J	NA	NA	10 U	10 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D5' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2B' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MWN-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-05B	MWN-11	MWN-11	MWN-12	MWN-12
Sample ID		MWN-05B	MWN-11	MWN-11 DUP	MWN-12	MWN-12 DUP
Lab Sample ID		C5A250040-001	C4J280050-009	C4J280050-010	C5A120010-003	C5A120010-004
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/24/95	10/26/94	10/26/94	01/11/95	01/11/95
Parameter	Units			FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)
Semivolatile Organic Compounds						
Naphthalene	UG/L	700	NA	NA	58	74
Pentachlorophenol	UG/L	200 U	NA	NA	50 U	50 U
Phenanthrene	UG/L	120	NA	NA	46	54
Phenol	UG/L	40 UJ,l	NA	NA	10 UJ,l	10 UJ,l
Pyrene	UG/L	15 J	NA	NA	6.3 J	6.9 J
Pyridine	UG/L	8.4 J	NA	NA	R	R
2,3,4,6-Tetrachlorophenol	UG/L	40 U	NA	NA	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	40 U	NA	NA	10 U	10 U
2,4,5-Trichlorophenol	UG/L	40 U	NA	NA	10 U	10 U
2,4,6-Trichlorophenol	UG/L	40 U	NA	NA	10 U	10 U
Metals						
Aluminum	UG/L	NA	NA	NA	NA	NA
Antimony	UG/L	1,500 UJ,m	NA	NA	60.0 U	60.0 U
Arsenic	UG/L	2,000 U	NA	NA	10.0 U	10.0 U
Barium	UG/L	25,400	NA	NA	200 U	200 U
Beryllium	UG/L	NA	NA	NA	NA	NA
Cadmium	UG/L	125 U	NA	NA	5.0 U	5.0 U
Calcium	UG/L	16,400,000	NA	NA	NA	NA
Chromium	UG/L	250 U	NA	NA	10.0 U	10.0 U
Cobalt	UG/L	NA	NA	NA	NA	NA
Copper	UG/L	NA	NA	NA	NA	NA
Iron	UG/L	NA	NA	NA	NA	NA
Lead	UG/L	600 U	NA	NA	3.0 UJ,c	3.0 UJ,c
Magnesium	UG/L	NA	NA	NA	5,000 U	5,000 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

(([LOCID] = 'MW-101' OR [LOCID] = 'MW-105' OR [LOCID] = 'MW-107' OR [LOCID] = 'MW-108' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D28' OR [LOCID] = 'MW-202D' OR [LOCID] = 'MWN-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-05B	MWN-11	MWN-11	MWN-12	MWN-12
Sample ID		MWN-05B	MWN-11	MWN-11 DUP	MWN-12	MWN-12 DUP
Lab Sample ID		C5A250040-001	C4J280050-009	C4J280050-010	C5A120010-003	C5A120010-004
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/24/95	10/26/94	10/26/94	01/11/95	01/11/95
Parameter	Units			FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)
Metals						
Manganese	UG/L	NA	NA	NA	NA	NA
Mercury	UG/L	0.20 U	NA	NA	0.20 U	0.20 U
Molybdenum	UG/L	NA	NA	NA	NA	NA
Nickel	UG/L	1,000 U	NA	NA	40.0 U	5,000 U
Potassium	UG/L	274,000	NA	NA	97,600 J,Q1	98,300 J,Q1
Selenium	UG/L	1,000 UJ,Q	NA	NA	R	R
Silver	UG/L	250 UJ,I	NA	NA	10.0 U	10.0 U
Sodium	UG/L	227,000	NA	NA	64,000 J,Q1	64,700 J,Q1
Strontium	UG/L	NA	NA	NA	NA	NA
Thallium	UG/L	50.0 UJ	NA	NA	10.0 UJ	10.0 UJ
Tin	UG/L	NA	NA	NA	NA	NA
Vanadium	UG/L	NA	NA	NA	NA	NA
Zinc	UG/L	NA	NA	NA	NA	NA
Dissolved Metals						
Antimony -DISS	UG/L	1,500 UJ,c	NA	NA	60.0 U	60.0 U
Arsenic -DISS	UG/L	10.0 U	NA	NA	10.0 UJ,m	10.0 UJ,m
Barium -DISS	UG/L	26,500	NA	NA	200 U	200 U
Cadmium -DISS	UG/L	125 U	NA	NA	5.0 U	5.0 U
Calcium -DISS	UG/L	17,100,000	NA	NA	NA	NA
Chromium -DISS	UG/L	250 U	NA	NA	10.0 U	10.0 U
Copper -DISS	UG/L	NA	NA	NA	NA	NA
Iron -DISS	UG/L	NA	NA	NA	NA	NA
Lead -DISS	UG/L	60.0 U	NA	NA	3.0 UJ,c	3.0 UJ,c
Magnesium -DISS	UG/L	NA	NA	NA	5,000 U	5,000 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MW-101' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-202B' OR [LOCID] = 'MW-202D' OR [LOCID] = 'MWN-016' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

PHASE IIC (OCTOBER 1994 THROUGH MAY 1995)
GROUNDWATER

Location ID		MWN-05B	MWN-11	MWN-11	MWN-12	MWN-12
Sample ID		MWN-05B	MWN-11	MWN-11 DUP	MWN-12	MWN-12 DUP
Lab Sample ID		C5A250040-001	C4J280050-009	C4J280050-010	C5A120010-003	C5A120010-004
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		01/24/95	10/26/94	10/26/94	01/11/95	01/11/95
Parameter	Units			FIELD DUPLICATE (1-1)		FIELD DUPLICATE (1-1)
Dissolved Metals						
Manganese -DISS	UG/L	NA	NA	NA	NA	NA
Mercury -DISS	UG/L	0.20 U	NA	NA	0.20 U	0.20 U
Nickel -DISS	UG/L	1,000 U	NA	NA	40.0 U	40.0 U
Potassium -DISS	UG/L	290,000	NA	NA	111,000 J,Q1	116,000 J,Q1
Selenium -DISS	UG/L	105 J,Q1	NA	NA	R	R
Silver -DISS	UG/L	250 U	NA	NA	10.0 U	10.0 U
Sodium -DISS	UG/L	240,000	NA	NA	72,600 J,Q1	75,600 J,Q1
Thallium -DISS	UG/L	R	NA	NA	10.0 UJ	10.0 UJ
Zinc -DISS	UG/L	NA	NA	NA	NA	NA
General Chemistry Parameters						
Alkalinity (Total)	MG/L	38	NA	NA	169	352
Carbonate Alkalinity (as CaCO3)	MG/L	5 U	NA	NA	90	96
Chloride	MG/L	38,300	NA	NA	118	118
Cyanide	MG/L	0.034	NA	NA	0.010 U	0.010 U
Nitrate Nitrogen	MG/L	NA	NA	NA	0.72	0.7
pH Liquid	S.U.	4.4	NA	NA	11.8	11.8
Sulfate	MG/L	16.7	NA	NA	421	425
Total Organic Carbon	MG/L	82.6 J,c	NA	NA	NA	NA
Total Dissolved Solids	MG/L	5,360	NA	NA	1,290	1,290
Total Organic Halogens	MG/L	0.57	NA	NA	0.050 U	0.050 U
Total Recoverable Phenolics	MG/L	0.49	NA	NA	NA	NA
Total Suspended Solids	MG/L	404	NA	NA	NA	NA
Total Solids	MG/L	5,750 J,c	NA	NA	NA	NA
Specific Conductance	UMHOS/CM	74,000	NA	NA	2,560	2,580

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MW-1D1' OR [LOCID] = 'MW-1D6' OR [LOCID] = 'MW-1D7' OR [LOCID] = 'MW-1D8' OR [LOCID] = 'MW-1U1' OR [LOCID] = 'MW-2D2B' OR [LOCID] = 'MW-2D2D' OR [LOCID] = 'MWN-01B' OR [LOCID] = 'MWN-02B' OR [LOCID] = 'MWN-03B' OR [LOCID] = 'MWN-03D' OR [LOCID] = 'MWN-05B' OR [LOCID] = 'MWN-11' OR [LOCID] = 'MWN-12' OR [LOCID] = 'MWN-17A' OR

GROUNDWATER

AQUEOUS

PHASE III

PHASE III (JUNE THROUGH OCTOBER 1995)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Sample ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Lab Sample ID		31916	9501.946	32179	9501.992	9502.113
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/24/95	08/24/95	08/29/95	08/29/95	09/13/95
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	NA	100 U	NA	NA	100 U
Benzene	UG/L	NA	5 U	NA	NA	5 U
Bromodichloromethane	UG/L	NA	5 U	NA	NA	5 U
Bromoform	UG/L	NA	5 U	NA	NA	5 U
Bromomethane	UG/L	NA	5 U	NA	NA	5 U
Carbon disulfide	UG/L	NA	5 U	NA	NA	5 U
Carbon tetrachloride	UG/L	NA	5 U	NA	NA	5 U
Chlorobenzene	UG/L	NA	5 U	NA	NA	5 U
Chloroethane	UG/L	NA	10 U	NA	NA	10 UJ,c
2-Chloroethyl vinyl ether	UG/L	NA	20 U	NA	NA	20 U
Chloroform	UG/L	NA	1 J	NA	NA	5 U
Chloromethane	UG/L	NA	10 UJ,c	NA	NA	10 U
Dibromochloromethane	UG/L	NA	5 U	NA	NA	5 U
Dichlorodifluoromethane	UG/L	NA	5 U	NA	NA	5 U
1,1-Dichloroethane	UG/L	NA	5 U	NA	NA	5 U
1,2-Dichloroethane	UG/L	NA	5 U	NA	NA	5 U
1,1-Dichloroethene	UG/L	NA	5 U	NA	NA	5 U
trans-1,2-Dichloroethene	UG/L	NA	5 U	NA	NA	5 UJ,c
1,2-Dichloropropane	UG/L	NA	5 U	NA	NA	5 U
cis-1,3-Dichloropropene	UG/L	NA	5 U	NA	NA	5 U
trans-1,3-Dichloropropene	UG/L	NA	5 U	NA	NA	5 U
Ethylbenzene	UG/L	NA	5 U	NA	NA	5 U
Methyl ethyl ketone	UG/L	NA	10 U	NA	NA	10 U
Methylene chloride	UG/L	NA	5 U	NA	NA	5 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MWN-02D' OR [LOCID] = 'MWN-05D' OR [LOCID] = 'MWN-15D' OR [LOCID] = 'MWN-25D' OR [LOCID] = 'MWN-30A' OR [LOCID] = 'MWN-31A' OR [LOCID] = 'MWN-32A' OR [LOCID] = 'MWN-33A' OR [LOCID] = 'MWN-34A' OR [LOCID] = 'MWS-08D' OR [LOCID] = 'MWS-19A' OR [LOCID] = 'MWS-19B' OR [LOCID] = 'MWS-20A' OR [LOCID] = 'MWS-20B' OR [LOCID] = 'MWS-21A'

PHASE III (JUNE THROUGH OCTOBER 1995)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Sample ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Lab Sample ID		31916	9501.946	32179	9501.992	9502.113
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/24/95	08/24/95	08/29/95	08/29/95	09/13/95
Parameter	**Units**					
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	UG/L	NA	5 U	NA	NA	5 U
1,1,2,2-Tetrachloroethane	UG/L	NA	5 U	NA	NA	5 U
Tetrachloroethene	UG/L	NA	5 U	NA	NA	5 U
Toluene	UG/L	NA	5 U	NA	NA	2 J
1,1,1-Trichloroethane	UG/L	NA	5 U	NA	NA	5 U
1,1,2-Trichloroethane	UG/L	NA	5 U	NA	NA	5 U
Trichloroethene	UG/L	NA	5 U	NA	NA	5 U
Trichlorofluoromethane	UG/L	NA	5 UJ,c	NA	NA	5 U
Vinyl chloride	UG/L	NA	10 U	NA	NA	10 U
Xylenes, Total	UG/L	NA	5 U	NA	NA	2 J
Semivolatile Organic Compounds						
Acenaphthene	UG/L	NA	10 U	NA	10 U	NA
Acenaphthylene	UG/L	NA	10 U	NA	10 U	NA
Anthracene	UG/L	NA	10 U	NA	10 U	NA
Benzo(a)anthracene	UG/L	NA	10 U	NA	10 U	NA
Benzo(a)pyrene	UG/L	NA	10 U	NA	10 U	NA
Benzo(b)fluoranthene	UG/L	NA	10 U	NA	10 U	NA
Benzo(ghi)perylene	UG/L	NA	10 U	NA	10 U	NA
Benzo(k)fluoranthene	UG/L	NA	10 U	NA	10 U	NA
Butyl benzyl phthalate	UG/L	NA	10 U	NA	10 U	NA
4-Chloro-3-methylphenol	UG/L	NA	10 U	NA	10 U	NA
bis(2-Chloroethyl)ether	UG/L	NA	10 U	NA	10 U	NA
2-Chloronaphthalene	UG/L	NA	10 U	NA	10 U	NA
Chrysene	UG/L	NA	10 U	NA	10 U	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MWN-02D' OR [LOCID] = 'MWN-05D' OR [LOCID] = 'MWN-15D' OR [LOCID] = 'MWN-25D' OR [LOCID] = 'MWN-30A' OR [LOCID] = 'MWN-31A' OR [LOCID] = 'MWN-32A' OR [LOCID] = 'MWN-33A' OR [LOCID] = 'MWN-34A' OR [LOCID] = 'MWS-08D' OR [LOCID] = 'MWS-19A' OR [LOCID] = 'MWS-19B' OR [LOCID] = 'MWS-20A' OR [LOCID] = 'MWS-20B' OR [LOCID] = 'MWS-21A'

PHASE III (JUNE THROUGH OCTOBER 1995)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Sample ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Lab Sample ID		31916	9501.946	32179	9501.992	9502.113
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/24/95	08/24/95	08/29/95	08/29/95	09/13/95
Parameter	Units					
Semivolatile Organic Compounds						
Di-n-butyl phthalate	UG/L	NA	10 U	NA	10 U	NA
Di-n-octyl phthalate	UG/L	NA	10 U	NA	10 U	NA
Dibenz(a,h)anthracene	UG/L	NA	10 U	NA	10 U	NA
1,2-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
1,3-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
1,4-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
2,4-Dichlorophenol	UG/L	NA	10 U	NA	10 U	NA
Diethyl phthalate	UG/L	NA	10 U	NA	10 U	NA
Dimethyl phthalate	UG/L	NA	10 U	NA	10 U	NA
2,4-Dimethylphenol	UG/L	NA	10 U	NA	10 U	NA
4,6-Dinitro-2-methylphenol	UG/L	NA	50 U	NA	50 U	NA
2,4-Dinitrotoluene	UG/L	NA	10 U	NA	10 U	NA
2,6-Dinitrotoluene	UG/L	NA	10 U	NA	10 U	NA
bis(2-Ethylhexyl)phthalate	UG/L	NA	3 J	NA	3 J	NA
Fluoranthene	UG/L	NA	10 U	NA	10 U	NA
Fluorene	UG/L	NA	10 U	NA	10 U	NA
Hexachlorobenzene	UG/L	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	UG/L	NA	10 U	NA	10 U	NA
Hexachlorocyclopentadiene	UG/L	NA	10 U	NA	10 U	NA
Hexachloroethane	UG/L	NA	10 U	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	UG/L	NA	10 U	NA	10 U	NA
Isophorone	UG/L	NA	10 U	NA	10 U	NA
2-Methylphenol	UG/L	NA	10 U	NA	10 U	NA
3-Methylphenol	UG/L	NA	10 U	NA	10 U	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MWN-02D' OR [LOCID] = 'MWN-05D' OR [LOCID] = 'MWN-15D' OR [LOCID] = 'MWN-25D' OR [LOCID] = 'MWN-30A' OR [LOCID] = 'MWN-31A' OR [LOCID] = 'MWN-32A' OR [LOCID] = 'MWN-33A' OR [LOCID] = 'MWN-34A' OR [LOCID] = 'MWS-08D' OR [LOCID] = 'MWS-19A' OR [LOCID] = 'MWS-19B' OR [LOCID] = 'MWS-20A' OR [LOCID] = 'MWS-20B' OR [LOCID] = 'MWS-21A'

PHASE III (JUNE THROUGH OCTOBER 1995)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Sample ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Lab Sample ID		31916	9501.946	32179	9501.992	9502.113
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/24/95	08/24/95	08/29/95	08/29/95	09/13/95
Parameter	Units					
Semivolatile Organic Compounds						
4-Methylphenol	UG/L	NA	10 U	NA	10 U	NA
Naphthalene	UG/L	NA	10 U	NA	10 U	NA
Pentachlorophenol	UG/L	NA	50 U	NA	50 U	NA
Phenanthrene	UG/L	NA	10 U	NA	10 U	NA
Phenol	UG/L	NA	10 U	NA	10 U	NA
Pyrene	UG/L	NA	10 U	NA	10 U	NA
Pyridine	UG/L	NA	10 U	NA	10 U	NA
2,3,4,6-Tetrachlorophenol	UG/L	NA	50 U	NA	50 U	NA
1,2,4-Trichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
2,4,5-Trichlorophenol	UG/L	NA	10 U	NA	10 U	NA
2,4,6-Trichlorophenol	UG/L	NA	10 U	NA	10 U	NA
Metals						
Antimony	UG/L	NA	2.2 U	NA	2.2 U	NA
Arsenic	UG/L	NA	3.3	NA	2 U	NA
Barium	UG/L	NA	520	NA	72.3	NA
Cadmium	UG/L	NA	2.8 U	NA	2.8 U	NA
Calcium	UG/L	NA	88,100	NA	73,700	NA
Chromium	UG/L	NA	7.7	NA	5.7 U	NA
Lead	UG/L	NA	1.6 J,v	NA	10.8	NA
Mercury	UG/L	NA	0.2 U	NA	0.2 U	NA
Nickel	UG/L	NA	24.4	NA	14.5	NA
Potassium	UG/L	NA	10,400	NA	9,910	NA
Selenium	UG/L	NA	10 UJ,m	NA	3 U	NA
Silver	UG/L	NA	8.3 U	NA	8.3 U	NA

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOCID] = 'MWN-02D' OR [LOCID] = 'MWN-05D' OR [LOCID] = 'MWN-15D' OR [LOCID] = 'MWN-25D' OR [LOCID] = 'MWN-30A' OR [LOCID] = 'MWN-31A' OR [LOCID] = 'MWN-32A' OR [LOCID] = 'MWN-33A' OR [LOCID] = 'MWN-34A' OR [LOCID] = 'MWS-08D' OR [LOCID] = 'MWS-19A' OR [LOCID] = 'MWS-19B' OR [LOCID] = 'MWS-20A' OR [LOCID] = 'MWS-20B' OR [LOCID] = 'MWS-21A'

PHASE III (JUNE THROUGH OCTOBER 1995)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Sample ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Lab Sample ID		31916	9501.946	32179	9501.992	9502.113
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/24/95	08/24/95	08/29/95	08/29/95	09/13/95
Parameter	Units					
Metals						
Sodium	UG/L	NA	124,000	NA	129,000	NA
Thallium	UG/L	NA	2 UJ,m	NA	10 UJ,m	NA
Dissolved Metals						
Antimony -DISS	UG/L	2.2 U	NA	2.2 U	NA	NA
Arsenic -DISS	UG/L	2.4	NA	2 UJ,v	NA	NA
Barium -DISS	UG/L	499	NA	72.1	NA	NA
Cadmium -DISS	UG/L	2.8 U	NA	2.8 U	NA	NA
Calcium -DISS	UG/L	85,300	NA	73,100	NA	NA
Chromium -DISS	UG/L	5.7 U	NA	5.7 U	NA	NA
Lead -DISS	UG/L	1 U	NA	1 UJ,m	NA	NA
Mercury -DISS	UG/L	0.2 U	NA	0.2 U	NA	NA
Nickel -DISS	UG/L	25.8	NA	10.2 U	NA	NA
Potassium -DISS	UG/L	10,000	NA	8,080	NA	NA
Selenium -DISS	UG/L	2 UJ,m	NA	3 UJ,m	NA	NA
Silver -DISS	UG/L	8.3 U	NA	8.3 U	NA	NA
Sodium -DISS	UG/L	123,000	NA	133,000	NA	NA
Thallium -DISS	UG/L	2 UJ,m	NA	2 UJ,m	NA	NA
General Chemistry Parameters						
Alkalinity (Total)	MG/L	NA	480	NA	460	NA
Carbonate Alkalinity (as CaCO3)	MG/L	NA	NA	NA	5 U	NA
Chloride	MG/L	NA	110	NA	130	NA
Cyanide	MG/L	NA	NA	NA	NA	NA
Cyanide Amenable	MG/L	NA	0.01 U	NA	0.01 U	NA
Sulfate	MG/L	NA	4.2	NA	3.6	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MWN-02D' OR [LOCID] = 'MWN-05D' OR [LOCID] = 'MWN-15D' OR [LOCID] = 'MWN-25D' OR [LOCID] = 'MWN-30A' OR [LOCID] = 'MWN-31A' OR [LOCID] = 'MWN-32A' OR [LOCID] = 'MWN-33A' OR [LOCID] = 'MWN-34A' OR [LOCID] = 'MWS-08D' OR [LOCID] = 'MWS-19A' OR [LOCID] = 'MWS-19B' OR [LOCID] = 'MWS-20A' OR [LOCID] = 'MWS-20B' OR [LOCID] = 'MWS-21A')

PHASE III (JUNE THROUGH OCTOBER 1995)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Sample ID		MWN-02D	MWN-02D	MWN-05D	MWN-05D	MWN-05D
Lab Sample ID		31916	9501.946	32179	9501.992	9502.113
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/24/95	08/24/95	08/29/95	08/29/95	09/13/95
Parameter	Units					
General Chemistry Parameters						
Total Organic Carbon	MG/L	NA	8.9	NA	5.2	NA
Total Dissolved Solids	MG/L	NA	690	NA	700	NA
Total Organic Halogens	MG/L	NA	0.022	NA	0.031	NA
Total Recoverable Phenolics	MG/L	NA	0.005 U	NA	0.005 U	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOCID] = 'MWN-02D' OR [LOCID] = 'MWN-05D' OR [LOCID] = 'MWN-15D' OR [LOCID] = 'MWN-25D' OR [LOCID] = 'MWN-30A' OR [LOCID] = 'MWN-31A' OR [LOCID] = 'MWN-32A OR [LOCID] = 'MWN-33A' OR [LOCID] = 'MWN-34A' OR [LOCID] = 'MWS-08D' OR [LOCID] = 'MWS-19A' OR [LOCID] = 'MWS-19B' OR [LOCID] = 'MWS-20A' OR [LOCID] = 'MWS-20B' OR [LOCID] = 'MWS-21A'

GROUNDWATER

AQUEOUS

1999 COMPREHENSIVE GROUNDWATER SAMPLING ROUND

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01	MWN-01	MWN-01B	MWN-01B	MWN-01B
Sample ID		MWN-01	MWN-01	DUP-5	DUP-5	MWN-01B
Lab Sample ID		C9K110118012	P24A 347	C9K110118017	P24A 352	C9K110118013
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/10/99	11/10/99	11/10/99	11/10/99
Parameter	Units			FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	
Volatile Organic Compounds						
Acrylonitrile	UG/L	R	NA	R	NA	R
Benzene	UG/L	22	NA	52	NA	54
Bromochloromethane	UG/L	5 U	NA	5 U	NA	5 UJ
Bromodichloromethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Bromoform	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Bromomethane	UG/L	10 U	NA	10 U	NA	10 U
Carbon tetrachloride	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chlorobenzene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chloroethane	UG/L	10 U	NA	10 U	NA	10 U
2-Chloroethyl vinyl ether	UG/L	50 UJ	NA	50 UJ	NA	50 U
Chloroform	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chloromethane	UG/L	10 U	NA	10 U	NA	10 UJ
Dibromochloromethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Dichlorodifluoromethane	UG/L	10 UJ	NA	10 UJ	NA	10 UJ
1,1-Dichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,2-Dichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1-Dichloroethene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
trans-1,2-Dichloroethene	UG/L	2.5 U	NA	2.5 U	NA	2.5 U
1,2-Dichloropropane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
cis-1,3-Dichloropropene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
trans-1,3-Dichloropropene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Ethylbenzene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Methylene chloride	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1,1,2-Tetrachloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 UJ

Flags assigned during chemistry validation are shown.

Advanced Selection: WG SAMP NOV99
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Detection Limits shown are PQL

([LOGDATE] = #11/2/99# OR [LOGDATE] = #11/3/99# OR [LOGDATE] = #11/4/99# OR [LOGDATE] = #11/5/99# OR [LOGDATE] = #11/8/99# OR [LOGDATE] = #11/9/99# OR [LOGDATE] = #11/10/99# OR [LOGDATE] = #11/11/99#) AND [MATRIX] = 'WG'

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01	MWN-01	MWN-01B	MWN-01B	MWN-01B
Sample ID		MWN-01	MWN-01	DUP-5	DUP-5	MWN-01B
Lab Sample ID		C9K110118012	P24A 347	C9K110118017	P24A 352	C9K110118013
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/10/99	11/10/99	11/10/99	11/10/99
Parameter	Units			FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	
Volatile Organic Compounds						
1,1,2,2-Tetrachloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Tetrachloroethene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Toluene	UG/L	9.1	NA	21	NA	21
1,1,1-Trichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1,2-Trichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Trichloroethene	UG/L	5.0 UJ	NA	5.0 UJ	NA	5.0 U
Trichlorofluoromethane	UG/L	10 UJ	NA	10 UJ	NA	10 UJ
Vinyl chloride	UG/L	10 U	NA	10 U	NA	10 U
Xylenes, Total	UG/L	19	NA	21	NA	23
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	110	NA	160	NA	150 J
Anthracene	UG/L	20 J	NA	19 J	NA	200 U
Benzo(a)anthracene	UG/L	100 U	NA	100 U	NA	200 U
Benzo(a)pyrene	UG/L	100 U	NA	100 U	NA	200 U
Butyl benzyl phthalate	UG/L	100 U	NA	100 U	NA	200 U
4-Chloro-3-methylphenol	UG/L	100 U	NA	100 U	NA	200 U
bis(2-Chloroethyl)ether	UG/L	100 U	NA	100 U	NA	200 U
2-Chloronaphthalene	UG/L	100 U	NA	100 U	NA	200 U
Chrysene	UG/L	100 U	NA	100 U	NA	200 U
Di-n-butyl phthalate	UG/L	100 U	NA	100 U	NA	200 U
Di-n-octyl phthalate	UG/L	100 U	NA	100 U	NA	200 U
1,2-Dichlorobenzene	UG/L	100 U	NA	100 U	NA	200 U
1,3-Dichlorobenzene	UG/L	100 U	NA	100 U	NA	200 U
1,4-Dichlorobenzene	UG/L	100 U	NA	100 U	NA	200 U

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

([LOGDATE] = #11/2/99# OR [LOGDATE] = #11/3/99# OR [LOGDATE] = #11/4/99# OR [LOGDATE] = #11/5/99# OR [LOGDATE] = #11/8/99# OR [LOGDATE] = #11/9/99# OR [LOGDATE] = #11/10/99# OR [LOGDATE] = #11/11/99#) AND [MATRIX] = 'WG'

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01	MWN-01	MWN-01B	MWN-01B	MWN-01B
Sample ID		MWN-01	MWN-01	DUP-5	DUP-5	MWN-01B
Lab Sample ID		C9K110118012	P24A 347	C9K110118017	P24A 352	C9K110118013
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/10/99	11/10/99	11/10/99	11/10/99
Parameter	Units			FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	
Semivolatile Organic Compounds						
2,4-Dichlorophenol	UG/L	100 U	NA	100 U	NA	200 U
Diethyl phthalate	UG/L	100 U	NA	100 U	NA	200 U
Dimethyl phthalate	UG/L	100 U	NA	100 U	NA	200 U
2,4-Dimethylphenol	UG/L	100 U	NA	100 U	NA	200 U
4,6-Dinitro-2-methylphenol	UG/L	500 U	NA	500 U	NA	1,000 U
2,4-Dinitrotoluene	UG/L	100 U	NA	100 U	NA	200 U
2,6-Dinitrotoluene	UG/L	100 U	NA	100 U	NA	200 U
bis(2-Ethylhexyl)phthalate	UG/L	100 U	NA	100 U	NA	200 U
Fluoranthene	UG/L	15 J	NA	22 J	NA	200 U
Fluorene	UG/L	99 J	NA	66 J	NA	63 J
Hexachlorobenzene	UG/L	100 U	NA	100 U	NA	200 U
Hexachlorobutadiene	UG/L	100 U	NA	100 U	NA	200 U
Hexachlorocyclopentadiene	UG/L	500 U	NA	500 U	NA	1,000 U
Hexachloroethane	UG/L	100 U	NA	100 U	NA	200 U
Isophorone	UG/L	100 U	NA	100 U	NA	200 U
3-Methylphenol & 4-Methylphenol	UG/L	72 J	NA	83 J	NA	400 U
2-Methylphenol	UG/L	24 J	NA	27 J	NA	200 U
Naphthalene	UG/L	630	NA	1,000 D	NA	1,200
Pentachlorophenol	UG/L	500 U	NA	500 U	NA	1,000 U
Phenanthrene	UG/L	140	NA	98 J	NA	95 J
Phenol	UG/L	100 U	NA	38 J	NA	200 U
Pyrene	UG/L	100 U	NA	16 J	NA	200 U
Pyridine	UG/L	200 U	NA	200 U	NA	400 U
2,3,4,6-Tetrachlorophenol	UG/L	100 U	NA	100 U	NA	200 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

([LOGDATE] = #11/2/99# OR [LOGDATE] = #11/3/99# OR [LOGDATE] = #11/4/99# OR [LOGDATE] = #11/5/99# OR [LOGDATE] = #11/8/99# OR [LOGDATE] = #11/9/99# OR [LOGDATE] = #11/10/99# OR [LOGDATE] = #11/11/99#) AND [MATRIX] = 'WG'

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01	MWN-01	MWN-01B	MWN-01B	MWN-01B
Sample ID		MWN-01	MWN-01	DUP-5	DUP-5	MWN-01B
Lab Sample ID		C9K110118012	P24A 347	C9K110118017	P24A 352	C9K110118013
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/10/99	11/10/99	11/10/99	11/10/99
Parameter	Units			FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	100 U	NA	100 U	NA	200 U
2,4,5-Trichlorophenol	UG/L	100 U	NA	100 U	NA	200 U
2,4,6-Trichlorophenol	UG/L	100 U	NA	100 U	NA	200 U
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	1.0 U	NA	1.0 U
Aroclor 1221	UG/L	NA	NA	1.0 U	NA	1.0 U
Aroclor 1232	UG/L	NA	NA	1.0 U	NA	1.0 U
Aroclor 1242	UG/L	NA	NA	1.0 U	NA	1.0 U
Aroclor 1248	UG/L	NA	NA	1.0 U	NA	1.0 U
Aroclor 1254	UG/L	NA	NA	1.0 U	NA	1.0 U
Aroclor 1260	UG/L	NA	NA	1.0 U	NA	1.0 U
Metals						
Antimony	UG/L	10 U	NA	10 U	NA	10 U
Arsenic	UG/L	4.1 B	NA	10.8	NA	12.1
Barium	UG/L	49.6 BJ	NA	59.2 BJ	NA	58.1 BJ
Cadmium	UG/L	2.0 U	NA	2.0 U	NA	2.0 U
Calcium	UG/L	101,000	NA	73,500	NA	73,600
Chromium	UG/L	6.5	NA	5.3	NA	4.0 B
Iron	UG/L	343	NA	1,810	NA	1,350
Lead	UG/L	3.0 U	NA	16.0 J	NA	12.7 J
Magnesium	UG/L	628 B	NA	268 B	NA	176 B
Mercury	UG/L	0.20 U	NA	0.20 U	NA	0.20 U
Nickel	UG/L	9.6 B	NA	40 U	NA	40 U
Potassium	UG/L	50,400	NA	53,600	NA	54,000

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

Advanced Selection: WG SAMP NOV99
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([LOGDATE] = #11/2/99# OR [LOGDATE] = #11/3/99# OR [LOGDATE] = #11/4/99# OR [LOGDATE] = #11/5/99# OR [LOGDATE] = #11/8/99# OR [LOGDATE] = #11/9/99# OR [LOGDATE] = #11/10/99# OR [LOGDATE] = #11/11/99#) AND [MATRIX] = 'WG'

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01	MWN-01	MWN-01B	MWN-01B	MWN-01B
Sample ID		MWN-01	MWN-01	DUP-5	DUP-5	MWN-01B
Lab Sample ID		C9K110118012	P24A 347	C9K110118017	P24A 352	C9K110118013
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/10/99	11/10/99	11/10/99	11/10/99
Parameter	Units			FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	
Metals						
Selenium	UG/L	6.6	NA	7.2	NA	6.1
Silver	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Sodium	UG/L	67,400	NA	69,600	NA	68,600
Thallium	UG/L	10 U	NA	10 U	NA	10 U
Dissolved Metals						
Antimony -DISS	UG/L	NA	NA	10 U	NA	10 U
Arsenic -DISS	UG/L	NA	NA	12.7 J	NA	11.7 J
Barium -DISS	UG/L	NA	NA	57.0 BJ	NA	57.7 BJ
Cadmium -DISS	UG/L	NA	NA	2.0 U	NA	2.0 U
Calcium -DISS	UG/L	NA	NA	70,600	NA	73,600
Chromium -DISS	UG/L	NA	NA	5.0 U	NA	5.0 U
Iron -DISS	UG/L	NA	NA	64.6 B	NA	72.1 B
Lead -DISS	UG/L	NA	NA	3.0 U	NA	3.0 U
Magnesium -DISS	UG/L	NA	NA	16.8 B	NA	35.9 B
Mercury -DISS	UG/L	NA	NA	0.20 U	NA	0.20 U
Nickel -DISS	UG/L	NA	NA	40 U	NA	40 U
Potassium -DISS	UG/L	NA	NA	58,500	NA	56,200
Selenium -DISS	UG/L	NA	NA	5.7 J	NA	6.8 J
Silver -DISS	UG/L	NA	NA	5.0 U	NA	5.0 U
Sodium -DISS	UG/L	NA	NA	75,700	NA	72,700
Thallium -DISS	UG/L	NA	NA	10 U	NA	10 U
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	57.4	NA	61.1	NA	93.9
Alkalinity (Total)	MG/L	930 J	NA	131 J	NA	1,050 J

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01	MWN-01	MWN-01B	MWN-01B	MWN-01B
Sample ID		MWN-01	MWN-01	DUP-5	DUP-5	MWN-01B
Lab Sample ID		C9K110118012	P24A 347	C9K110118017	P24A 352	C9K110118013
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/10/99	11/10/99	11/10/99	11/10/99
Parameter	Units			FIELD DUPLICATE (1-1)	FIELD DUPLICATE (1-1)	
General Chemistry Parameters						
Chloride	MG/L	117	NA	144	NA	140
Cyanide	MG/L	0.080	NA	1.1	NA	1.1
Dissolved Oxygen	MG/L	0 6	NA	NA	NA	0 5
Field pH	S U	11.5	NA	NA	NA	11
Nitrate Nitrogen	MG/L	0.10 U	NA	0.10 U	NA	0 10 U
Sulfate	MG/L	185	NA	141	NA	137
Total Organic Carbon	MG/L	6.0	NA	9.7	NA	9.7
Total Dissolved Solids	MG/L	611	NA	564	NA	576
Total Organic Halogens	MG/L	0.0072 BJ	NA	0.015 BJ	NA	0.029 BJ
Total Recoverable Phenolics	MG/L	0 074	NA	0 15	NA	0 15
Turbidity	NTU	9	NA	NA	NA	140
Redox Potential	Millivolts	-354	NA	NA	NA	-328
Temperature	DEG C	13 5	NA	NA	NA	13.2
Specific Conductance	UMHOS/CM	1,400	NA	NA	NA	1,000
Dissolved Gases						
Carbon Dioxide	MG/L	NA	0 60 U	NA	0 60 U	NA
Carbon Monoxide	MG/L	NA	0 40 U	NA	0 40 U	NA
Methane	MG/L	NA	3 4	NA	12.0	NA
Nitrogen	MG/L	NA	16.8	NA	13 3	NA
Oxygen	MG/L	NA	0 58	NA	0.48	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Sample ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Lab Sample ID		P24A 348	C9K050118014	P24A 223	C9K050118015	P24A 224
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/04/99	11/04/99	11/04/99	11/04/99
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	NA	R	NA	R	NA
Benzene	UG/L	NA	13 U	NA	39	NA
Bromochloromethane	UG/L	NA	5 U	NA	5 U	NA
Bromodichloromethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Bromoform	UG/L	NA	5.0 U	NA	5.0 U	NA
Bromomethane	UG/L	NA	10 U	NA	10 UJ	NA
Carbon tetrachloride	UG/L	NA	5.0 U	NA	5.0 U	NA
Chlorobenzene	UG/L	NA	5.0 U	NA	5.0 U	NA
Chloroethane	UG/L	NA	10 UJ	NA	10 UJ	NA
2-Chloroethyl vinyl ether	UG/L	NA	50 UJ	NA	50 UJ	NA
Chloroform	UG/L	NA	5.0 U	NA	5.0 U	NA
Chloromethane	UG/L	NA	10 UJ	NA	10 U	NA
Dibromochloromethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Dichlorodifluoromethane	UG/L	NA	R	NA	R	NA
1,1-Dichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,2-Dichloroethane	UG/L	NA	5.0 U	NA	5.0 UJ	NA
1,1-Dichloroethene	UG/L	NA	5.0 U	NA	5.0 U	NA
trans-1,2-Dichloroethene	UG/L	NA	2.5 U	NA	2.5 U	NA
1,2-Dichloropropane	UG/L	NA	5.0 U	NA	5.0 U	NA
cis-1,3-Dichloropropene	UG/L	NA	5.0 U	NA	5.0 UJ	NA
trans-1,3-Dichloropropene	UG/L	NA	5.0 UJ	NA	5.0 UJ	NA
Ethylbenzene	UG/L	NA	5.0 U	NA	5.0 U	NA
Methylene chloride	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1,1,2-Tetrachloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Sample ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Lab Sample ID		P24A 348	C9K050118014	P24A 223	C9K050118015	P24A 224
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/04/99	11/04/99	11/04/99	11/04/99
Parameter	**Units**					
Volatile Organic Compounds						
1,1,2,2-Tetrachloroethane	UG/L	NA	5.0 UJ	NA	5.0 UJ	NA
Tetrachloroethene	UG/L	NA	5.0 UJ	NA	5.0 UJ	NA
Toluene	UG/L	NA	2.4 J	NA	5.5	NA
1,1,1-Trichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1,2-Trichloroethane	UG/L	NA	5.0 U	NA	5.0 UJ	NA
Trichloroethene	UG/L	NA	5.0 U	NA	5.0 UJ	NA
Trichlorofluoromethane	UG/L	NA	10 UJ	NA	10 UJ	NA
Vinyl chloride	UG/L	NA	10 U	NA	10 U	NA
Xylenes, Total	UG/L	NA	5.0 U	NA	6.5	NA
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	NA	2.8 J	NA	4.4 J	NA
Anthracene	UG/L	NA	1.3 J	NA	2.7 J	NA
Benzo(a)anthracene	UG/L	NA	10 U	NA	20 U	NA
Benzo(a)pyrene	UG/L	NA	10 U	NA	20 U	NA
Butyl benzyl phthalate	UG/L	NA	10 U	NA	20 U	NA
4-Chloro-3-methylphenol	UG/L	NA	10 U	NA	20 U	NA
bis(2-Chloroethyl)ether	UG/L	NA	10 U	NA	20 U	NA
2-Chloronaphthalene	UG/L	NA	10 U	NA	20 U	NA
Chrysene	UG/L	NA	10 U	NA	20 U	NA
Di-n-butyl phthalate	UG/L	NA	10 U	NA	20 U	NA
Di-n-octyl phthalate	UG/L	NA	10 U	NA	20 U	NA
1,2-Dichlorobenzene	UG/L	NA	10 U	NA	20 U	NA
1,3-Dichlorobenzene	UG/L	NA	10 U	NA	20 U	NA
1,4-Dichlorobenzene	UG/L	NA	10 U	NA	20 U	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Sample ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Lab Sample ID		P24A 348	C9K050118014	P24A 223	C9K050118015	P24A 224
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/04/99	11/04/99	11/04/99	11/04/99
Parameter	Units					
Semivolatile Organic Compounds						
2,4-Dichlorophenol	UG/L	NA	10 U	NA	20 U	NA
Diethyl phthalate	UG/L	NA	10 U	NA	20 U	NA
Dimethyl phthalate	UG/L	NA	10 U	NA	20 U	NA
2,4-Dimethylphenol	UG/L	NA	10 U	NA	11 J	NA
4,6-Dinitro-2-methylphenol	UG/L	NA	50 U	NA	100 U	NA
2,4-Dinitrotoluene	UG/L	NA	10 U	NA	20 U	NA
2,6-Dinitrotoluene	UG/L	NA	10 U	NA	20 U	NA
bis(2-Ethylhexyl)phthalate	UG/L	NA	10 U	NA	20 U	NA
Fluoranthene	UG/L	NA	2.6 J	NA	3.9 J	NA
Fluorene	UG/L	NA	10	NA	8.0 J	NA
Hexachlorobenzene	UG/L	NA	10 U	NA	20 U	NA
Hexachlorobutadiene	UG/L	NA	10 U	NA	20 U	NA
Hexachlorocyclopentadiene	UG/L	NA	50 U	NA	100 U	NA
Hexachloroethane	UG/L	NA	10 U	NA	20 U	NA
Isophorone	UG/L	NA	10 U	NA	20 U	NA
3-Methylphenol & 4-Methylphenol	UG/L	NA	9.6 J	NA	77	NA
2-Methylphenol	UG/L	NA	10 U	NA	26	NA
Naphthalene	UG/L	NA	36	NA	200 D	NA
Pentachlorophenol	UG/L	NA	50 U	NA	100 U	NA
Phenanthrene	UG/L	NA	14	NA	16 J	NA
Phenol	UG/L	NA	6.2 J	NA	8.2 J	NA
Pyrene	UG/L	NA	3.2 J	NA	3.1 J	NA
Pyridine	UG/L	NA	20 UJ	NA	40 UJ	NA
2,3,4,6-Tetrachlorophenol	UG/L	NA	10 U	NA	20 U	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Sample ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Lab Sample ID		P24A 348	C9K050118014	P24A 223	C9K050118015	P24A 224
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/04/99	11/04/99	11/04/99	11/04/99
Parameter	Units					
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	NA	10 U	NA	20 U	NA
2,4,5-Trichlorophenol	UG/L	NA	10 U	NA	20 U	NA
2,4,6-Trichlorophenol	UG/L	NA	10 U	NA	20 U	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Metals						
Antimony	UG/L	NA	60 UJ	NA	60 UJ	NA
Arsenic	UG/L	NA	2.8 B	NA	40.1	NA
Barium	UG/L	NA	107 B	NA	60.7 B	NA
Cadmium	UG/L	NA	0.31 B	NA	2.0 U	NA
Calcium	UG/L	NA	164,000	NA	95,900	NA
Chromium	UG/L	NA	20.3	NA	3.1 B	NA
Iron	UG/L	NA	57.6 B	NA	404	NA
Lead	UG/L	NA	2.5 B	NA	3.0 U	NA
Magnesium	UG/L	NA	5,000 U	NA	160 B	NA
Mercury	UG/L	NA	0.20 U	NA	0.20 U	NA
Nickel	UG/L	NA	40 U	NA	9.6 B	NA
Potassium	UG/L	NA	50,200	NA	39,800	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Sample ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Lab Sample ID		P24A 348	C9K050118014	P24A 223	C9K050118015	P24A 224
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/04/99	11/04/99	11/04/99	11/04/99
Parameter	Units					
Metals						
Selenium	UG/L	NA	9.5	NA	5.8	NA
Silver	UG/L	NA	5.0 U	NA	5.0 U	NA
Sodium	UG/L	NA	74,400	NA	92,200	NA
Thallium	UG/L	NA	10 U	NA	10 U	NA
Dissolved Metals						
Antimony -DISS	UG/L	NA	NA	NA	NA	NA
Arsenic -DISS	UG/L	NA	NA	NA	NA	NA
Barium -DISS	UG/L	NA	NA	NA	NA	NA
Cadmium -DISS	UG/L	NA	NA	NA	NA	NA
Calcium -DISS	UG/L	NA	NA	NA	NA	NA
Chromium -DISS	UG/L	NA	NA	NA	NA	NA
Iron -DISS	UG/L	NA	NA	NA	NA	NA
Lead -DISS	UG/L	NA	NA	NA	NA	NA
Magnesium -DISS	UG/L	NA	NA	NA	NA	NA
Mercury -DISS	UG/L	NA	NA	NA	NA	NA
Nickel -DISS	UG/L	NA	NA	NA	NA	NA
Potassium -DISS	UG/L	NA	NA	NA	NA	NA
Selenium -DISS	UG/L	NA	NA	NA	NA	NA
Silver -DISS	UG/L	NA	NA	NA	NA	NA
Sodium -DISS	UG/L	NA	NA	NA	NA	NA
Thallium -DISS	UG/L	NA	NA	NA	NA	NA
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	NA	46.5	NA	41.4 B	NA
Alkalinity (Total)	MG/L	NA	300 J	NA	167	NA

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Sample ID		MWN-01B	MWN-02	MWN-02	MWN-02B	MWN-02B
Lab Sample ID		P24A 348	C9K050118014	P24A 223	C9K050118015	P24A 224
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/10/99	11/04/99	11/04/99	11/04/99	11/04/99
Parameter	Units					
General Chemistry Parameters						
Chloride	MG/L	NA	117	NA	148	NA
Cyanide	MG/L	NA	0.020	NA	0.062	NA
Dissolved Oxygen	MG/L	NA	1.2	NA	0.5	NA
Field pH	S.U.	NA	12.0	NA	11.2	NA
Nitrate Nitrogen	MG/L	NA	0.65	NA	0.10 U	NA
Sulfate	MG/L	NA	141	NA	175	NA
Total Organic Carbon	MG/L	NA	5.9 J	NA	7.3 J	NA
Total Dissolved Solids	MG/L	NA	702	NA	633	NA
Total Organic Halogens	MG/L	NA	0.021 BJ	NA	0.095 BJ	NA
Total Recoverable Phenolics	MG/L	NA	0.045	NA	0.12	NA
Turbidity	NTU	NA	2	NA	1	NA
Redox Potential	Millivolts	NA	-245	NA	-325	NA
Temperature	DEG C	NA	13.5	NA	13.5	NA
Specific Conductance	UMHOS/CM	NA	2,300	NA	1,200	NA
Dissolved Gases						
Carbon Dioxide	MG/L	0.60 U	NA	0.60 U	NA	0.60 U
Carbon Monoxide	MG/L	0.40 U	NA	0.40 U	NA	0.40 U
Methane	MG/L	12.2	NA	1.6	NA	8.0
Nitrogen	MG/L	13.6	NA	17.3	NA	15.6
Oxygen	MG/L	0.52	NA	1.7	NA	0.53

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Sample ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Lab Sample ID		C9K050122001	P24A 225	C9K060123012	P24A 247	C9K090124010
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/04/99	11/04/99	11/05/99	11/05/99	11/08/99
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	R	NA	R	NA	R
Benzene	UG/L	5.0 U	NA	14	NA	5.0 U
Bromochloromethane	UG/L	5 U	NA	5 UJ	NA	5 U
Bromodichloromethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Bromoform	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Bromomethane	UG/L	10 UJ	NA	10 UJ	NA	10 U
Carbon tetrachloride	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chlorobenzene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chloroethane	UG/L	10 UJ	NA	10 UJ	NA	10 U
2-Chloroethyl vinyl ether	UG/L	50 UJ	NA	R	NA	50 UJ
Chloroform	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chloromethane	UG/L	10 U	NA	10 U	NA	10 UJ
Dibromochloromethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Dichlorodifluoromethane	UG/L	R	NA	10 UJ	NA	10 U
1,1-Dichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,2-Dichloroethane	UG/L	5.0 UJ	NA	5.0 U	NA	5.0 U
1,1-Dichloroethene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
trans-1,2-Dichloroethene	UG/L	2.5 U	NA	2.5 U	NA	2.5 U
1,2-Dichloropropane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
cis-1,3-Dichloropropene	UG/L	5.0 UJ	NA	5.0 U	NA	5.0 U
trans-1,3-Dichloropropene	UG/L	5.0 UJ	NA	5.0 UJ	NA	5.0 U
Ethylbenzene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Methylene chloride	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1,1,2-Tetrachloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Sample ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Lab Sample ID		C9K050122001	P24A 225	C9K060123012	P24A 247	C9K090124010
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/04/99	11/04/99	11/05/99	11/05/99	11/08/99
Parameter	Units					
Volatile Organic Compounds						
1,1,2,2-Tetrachloroethane	UG/L	5.0 UJ	NA	5.0 UJ	NA	5.0 U
Tetrachloroethene	UG/L	5.0 UJ	NA	5.0 UJ	NA	5.0 U
Toluene	UG/L	5.0 U	NA	5.1	NA	5.0 U
1,1,1-Trichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1,2-Trichloroethane	UG/L	5.0 UJ	NA	5.0 U	NA	5.0 U
Trichloroethene	UG/L	5.0 UJ	NA	5.0 UJ	NA	5.0 U
Trichlorofluoromethane	UG/L	10 UJ	NA	10 UJ	NA	10 UJ
Vinyl chloride	UG/L	10 U	NA	10 U	NA	10 U
Xylenes, Total	UG/L	5.0 U	NA	16	NA	5.0 U
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	10 U	NA	6.2 J	NA	10 U
Anthracene	UG/L	10 U	NA	10 U	NA	10 U
Benzo(a)anthracene	UG/L	10 U	NA	10 U	NA	10 U
Benzo(a)pyrene	UG/L	10 U	NA	10 U	NA	10 U
Butyl benzyl phthalate	UG/L	10 U	NA	10 U	NA	10 U
4-Chloro-3-methylphenol	UG/L	10 U	NA	10 U	NA	10 U
bis(2-Chloroethyl)ether	UG/L	10 U	NA	10 U	NA	10 U
2-Chloronaphthalene	UG/L	10 U	NA	10 U	NA	10 U
Chrysene	UG/L	10 U	NA	10 U	NA	10 U
Di-n-butyl phthalate	UG/L	10 U	NA	10 U	NA	10 U
Di-n-octyl phthalate	UG/L	10 U	NA	10 U	NA	10 U
1,2-Dichlorobenzene	UG/L	10 U	NA	10 U	NA	10 U
1,3-Dichlorobenzene	UG/L	10 U	NA	10 U	NA	10 U
1,4-Dichlorobenzene	UG/L	10 U	NA	10 U	NA	10 U

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Sample ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Lab Sample ID		C9K050122001	P24A 225	C9K060123012	P24A 247	C9K090124010
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/04/99	11/04/99	11/05/99	11/05/99	11/08/99
Parameter	Units					
Semivolatile Organic Compounds						
2,4-Dichlorophenol	UG/L	10 U	NA	10 U	NA	10 U
Diethyl phthalate	UG/L	10 U	NA	10 U	NA	10 U
Dimethyl phthalate	UG/L	10 U	NA	10 U	NA	10 U
2,4-Dimethylphenol	UG/L	10 U	NA	2.8 J	NA	10 U
4,6-Dinitro-2-methylphenol	UG/L	50 U	NA	50 U	NA	50 U
2,4-Dinitrotoluene	UG/L	10 U	NA	10 U	NA	10 U
2,6-Dinitrotoluene	UG/L	10 U	NA	10 U	NA	10 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	NA	10 U	NA	4.0 J
Fluoranthene	UG/L	10 U	NA	2.7 J	NA	10 U
Fluorene	UG/L	10 U	NA	8.0 J	NA	10 U
Hexachlorobenzene	UG/L	10 U	NA	10 U	NA	10 U
Hexachlorobutadiene	UG/L	10 U	NA	10 U	NA	10 U
Hexachlorocyclopentadiene	UG/L	50 U	NA	50 U	NA	50 U
Hexachloroethane	UG/L	10 U	NA	10 U	NA	10 U
Isophorone	UG/L	10 U	NA	10 U	NA	10 U
3-Methylphenol & 4-Methylphenol	UG/L	20 U	NA	8.3 J	NA	20 U
2-Methylphenol	UG/L	10 U	NA	3.7 J	NA	10 U
Naphthalene	UG/L	10 U	NA	22	NA	10 U
Pentachlorophenol	UG/L	50 U	NA	50 U	NA	50 U
Phenanthrene	UG/L	10 U	NA	11	NA	1.1 J
Phenol	UG/L	10 U	NA	7.7 J	NA	10 U
Pyrene	UG/L	10 U	NA	1.6 J	NA	10 U
Pyridine	UG/L	20 U	NA	7.9 J	NA	20 U
2,3,4,6-Tetrachlorophenol	UG/L	10 U	NA	10 U	NA	10 U

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Sample ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Lab Sample ID		C9K050122001	P24A 225	C9K060123012	P24A 247	C9K090124010
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/04/99	11/04/99	11/05/99	11/05/99	11/08/99
Parameter	Units					
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	10 U	NA	10 U	NA	10 U
2,4,5-Trichlorophenol	UG/L	10 U	NA	10 U	NA	10 U
2,4,6-Trichlorophenol	UG/L	10 U	NA	10 U	NA	10 U
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Metals						
Antimony	UG/L	60 UJ	NA	60 UJ	NA	60 UJ
Arsenic	UG/L	10.0 U	NA	10.0 U	NA	84.8 J
Barium	UG/L	528	NA	99.9 B	NA	384
Cadmium	UG/L	2.0 U	NA	2.0 U	NA	2.0 U
Calcium	UG/L	83,200	NA	247,000	NA	159,000
Chromium	UG/L	1.1 B	NA	1.1 B	NA	28.7
Iron	UG/L	2,670	NA	65.0 B	NA	13,900
Lead	UG/L	3.0 U	NA	3.0 U	NA	5.4
Magnesium	UG/L	31,300	NA	41.3 B	NA	84,300
Mercury	UG/L	0.20 U	NA	0.062 B	NA	0.20 U
Nickel	UG/L	40 U	NA	40 U	NA	15.8 B
Potassium	UG/L	4,060 B	NA	79,900	NA	13,400

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Sample ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Lab Sample ID		C9K050122001	P24A 225	C9K060123012	P24A 247	C9K090124010
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/04/99	11/04/99	11/05/99	11/05/99	11/08/99
Parameter	Units					
Metals						
Selenium	UG/L	5.0 U	NA	10.5	NA	5.0 U
Silver	UG/L	5.0 U	NA	5.0 U	NA	0.80 B
Sodium	UG/L	121,000	NA	88,300	NA	46,700
Thallium	UG/L	10 U	NA	10 U	NA	10 U
Dissolved Metals						
Antimony -DISS	UG/L	60 UJ	NA	NA	NA	60 UJ
Arsenic -DISS	UG/L	10.0 U	NA	NA	NA	112 J
Barium -DISS	UG/L	537	NA	NA	NA	285
Cadmium -DISS	UG/L	2.0 U	NA	NA	NA	2.0 U
Calcium -DISS	UG/L	82,900 J	NA	NA	NA	142,000
Chromium -DISS	UG/L	5.0 U	NA	NA	NA	1.4 B
Iron -DISS	UG/L	2,520 J	NA	NA	NA	6,130
Lead -DISS	UG/L	3.0 U	NA	NA	NA	3.0 U
Magnesium -DISS	UG/L	31,800	NA	NA	NA	73,600
Mercury -DISS	UG/L	0.090 B	NA	NA	NA	0.20 U
Nickel -DISS	UG/L	40 U	NA	NA	NA	40 U
Potassium -DISS	UG/L	3,970 B	NA	NA	NA	11,800
Selenium -DISS	UG/L	3.7 B	NA	NA	NA	5.0 U
Silver -DISS	UG/L	5.0 U	NA	NA	NA	5.0 U
Sodium -DISS	UG/L	123,000	NA	NA	NA	43,600
Thallium -DISS	UG/L	10 U	NA	NA	NA	10 U
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	5.0 U	NA	78.4	NA	5.0 U
Alkalinity (Total)	MG/L	425 J	NA	373 J	NA	602 J

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Sample ID		MWN-02D	MWN-02D	MWN-03	MWN-03	MWN-03B
Lab Sample ID		C9K050122001	P24A 225	C9K060123012	P24A 247	C9K090124010
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/04/99	11/04/99	11/05/99	11/05/99	11/08/99
Parameter	Units					
General Chemistry Parameters						
Chloride	MG/L	123	NA	192	NA	150
Cyanide	MG/L	0.010 U	NA	0.010 U	NA	0.010 U
Dissolved Oxygen	MG/L	0.4	NA	0.5	NA	2.1
Field pH	S.U.	7.0	NA	12.1	NA	7.5
Nitrate Nitrogen	MG/L	0.10 U	NA	0.10 U	NA	0.10 U
Sulfate	MG/L	5.0 U	NA	319	NA	5.0 U
Total Organic Carbon	MG/L	6.8 J	NA	3.7	NA	16.0
Total Dissolved Solids	MG/L	660	NA	1,210	NA	889
Total Organic Halogens	MG/L	0.0052 BJ	NA	0.0032 BJ	NA	0.26 J
Total Recoverable Phenolics	MG/L	0.0050 U	NA	0.023	NA	0.0050 U
Turbidity	NTU	330	NA	1	NA	300
Redox Potential	Millivolts	-142	NA	-373	NA	-165
Temperature	DEG C	14.5	NA	14.2	NA	15.9
Specific Conductance	UMHOS/CM	1,300	NA	3,200	NA	2,200
Dissolved Gases						
Carbon Dioxide	MG/L	NA	77.6	NA	0.60 U	NA
Carbon Monoxide	MG/L	NA	0.40 U	NA	0.40 U	NA
Methane	MG/L	NA	37.0	NA	2.7	NA
Nitrogen	MG/L	NA	0.85 J	NA	15.9	NA
Oxygen	MG/L	NA	0.15 U	NA	0.51	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Sample ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Lab Sample ID		P24A 276	C9K100121009	P24A 298	C9K090124011	P24A 279
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/09/99	11/09/99	11/08/99	11/08/99
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	NA	R	NA	R	NA
Benzene	UG/L	NA	23 U	NA	5.0 U	NA
Bromochloromethane	UG/L	NA	5 U	NA	5 U	NA
Bromodichloromethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Bromoform	UG/L	NA	5.0 UJ	NA	5.0 U	NA
Bromomethane	UG/L	NA	10 U	NA	10 U	NA
Carbon tetrachloride	UG/L	NA	5.0 U	NA	5.0 U	NA
Chlorobenzene	UG/L	NA	5.0 U	NA	5.0 U	NA
Chloroethane	UG/L	NA	10 U	NA	10 U	NA
2-Chloroethyl vinyl ether	UG/L	NA	50 UJ	NA	50 UJ	NA
Chloroform	UG/L	NA	5.0 U	NA	5.0 U	NA
Chloromethane	UG/L	NA	10 U	NA	10 UJ	NA
Dibromochloromethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Dichlorodifluoromethane	UG/L	NA	10 U	NA	10 U	NA
1,1-Dichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,2-Dichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1-Dichloroethene	UG/L	NA	5.0 U	NA	5.0 U	NA
trans-1,2-Dichloroethene	UG/L	NA	2.5 U	NA	2.5 U	NA
1,2-Dichloropropane	UG/L	NA	5.0 U	NA	5.0 U	NA
cis-1,3-Dichloropropene	UG/L	NA	5.0 U	NA	5.0 U	NA
trans-1,3-Dichloropropene	UG/L	NA	5.0 U	NA	5.0 U	NA
Ethylbenzene	UG/L	NA	2.2 J	NA	5.0 U	NA
Methylene chloride	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1,1,2-Tetrachloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA

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Detection Limits shown are PQL

COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Sample ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Lab Sample ID		P24A 276	C9K100121009	P24A 298	C9K090124011	P24A 279
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/09/99	11/09/99	11/08/99	11/08/99
Parameter	**Units**					
Volatile Organic Compounds						
1,1,2,2-Tetrachloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Tetrachloroethene	UG/L	NA	5.0 U	NA	5.0 U	NA
Toluene	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1,1-Trichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1,2-Trichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Trichloroethene	UG/L	NA	5.0 U	NA	5.0 U	NA
Trichlorofluoromethane	UG/L	NA	10 UJ	NA	10 UJ	NA
Vinyl chloride	UG/L	NA	10 U	NA	10 U	NA
Xylenes, Total	UG/L	NA	9.8	NA	5.0 U	NA
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	NA	10 U	NA	10 U	NA
Anthracene	UG/L	NA	10 U	NA	10 U	NA
Benzo(a)anthracene	UG/L	NA	10 U	NA	10 U	NA
Benzo(a)pyrene	UG/L	NA	10 U	NA	10 U	NA
Butyl benzyl phthalate	UG/L	NA	10 U	NA	10 U	NA
4-Chloro-3-methylphenol	UG/L	NA	10 U	NA	10 U	NA
bis(2-Chloroethyl)ether	UG/L	NA	10 U	NA	10 U	NA
2-Chloronaphthalene	UG/L	NA	10 U	NA	10 U	NA
Chrysene	UG/L	NA	10 U	NA	10 U	NA
Di-n-butyl phthalate	UG/L	NA	10 U	NA	10 U	NA
Di-n-octyl phthalate	UG/L	NA	10 U	NA	10 U	NA
1,2-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
1,3-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
1,4-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Sample ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Lab Sample ID		P24A 276	C9K100121009	P24A 298	C9K090124011	P24A 279
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/09/99	11/09/99	11/08/99	11/08/99
Parameter	Units					
Semivolatile Organic Compounds						
2,4-Dichlorophenol	UG/L	NA	10 U	NA	10 U	NA
Diethyl phthalate	UG/L	NA	10 U	NA	10 U	NA
Dimethyl phthalate	UG/L	NA	10 U	NA	10 U	NA
2,4-Dimethylphenol	UG/L	NA	10 U	NA	10 U	NA
4,6-Dinitro-2-methylphenol	UG/L	NA	50 U	NA	50 U	NA
2,4-Dinitrotoluene	UG/L	NA	10 U	NA	10 U	NA
2,6-Dinitrotoluene	UG/L	NA	10 U	NA	10 U	NA
bis(2-Ethylhexyl)phthalate	UG/L	NA	10 U	NA	6.1 J	NA
Fluoranthene	UG/L	NA	10 U	NA	10 U	NA
Fluorene	UG/L	NA	10 U	NA	1.6 J	NA
Hexachlorobenzene	UG/L	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	UG/L	NA	10 U	NA	10 U	NA
Hexachlorocyclopentadiene	UG/L	NA	50 U	NA	50 U	NA
Hexachloroethane	UG/L	NA	10 U	NA	10 U	NA
Isophorone	UG/L	NA	10 U	NA	10 U	NA
3-Methylphenol & 4-Methylphenol	UG/L	NA	20 U	NA	20 U	NA
2-Methylphenol	UG/L	NA	10 U	NA	10 U	NA
Naphthalene	UG/L	NA	10 U	NA	5.5 J	NA
Pentachlorophenol	UG/L	NA	50 U	NA	50 U	NA
Phenanthrene	UG/L	NA	10 U	NA	1.9 J	NA
Phenol	UG/L	NA	3.7 J	NA	10 U	NA
Pyrene	UG/L	NA	10 U	NA	1.6 J	NA
Pyridine	UG/L	NA	20 UJ	NA	20 U	NA
2,3,4,6-Tetrachlorophenol	UG/L	NA	10 U	NA	10 U	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Sample ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Lab Sample ID		P24A 276	C9K100121009	P24A 298	C9K090124011	P24A 279
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/09/99	11/09/99	11/08/99	11/08/99
Parameter	Units					
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
2,4,5-Trichlorophenol	UG/L	NA	10 U	NA	10 U	NA
2,4,6-Trichlorophenol	UG/L	NA	10 U	NA	10 U	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Metals						
Antimony	UG/L	NA	10 UJ	NA	60 UJ	NA
Arsenic	UG/L	NA	3.7 B	NA	4.2 B	NA
Barium	UG/L	NA	1,120	NA	28.0 B	NA
Cadmium	UG/L	NA	0.43 B	NA	2.0 U	NA
Calcium	UG/L	NA	1,280,000	NA	260,000	NA
Chromium	UG/L	NA	38.8	NA	17.1	NA
Iron	UG/L	NA	22,700	NA	305	NA
Lead	UG/L	NA	3.0 U	NA	3.0 U	NA
Magnesium	UG/L	NA	810,000	NA	94.9 B	NA
Mercury	UG/L	NA	0.20 U	NA	0.20 U	NA
Nickel	UG/L	NA	40 U	NA	13.3 B	NA
Potassium	UG/L	NA	71,100	NA	347,000	NA

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Sample ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Lab Sample ID		P24A 276	C9K100121009	P24A 298	C9K090124011	P24A 279
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/09/99	11/09/99	11/08/99	11/08/99
Parameter	Units					
Metals						
Selenium	UG/L	NA	5.0 U	NA	3.1 B	NA
Silver	UG/L	NA	5.0 U	NA	5.0 U	NA
Sodium	UG/L	NA	3,310,000	NA	182,000	NA
Thallium	UG/L	NA	10 U	NA	8.4 B	NA
Dissolved Metals						
Antimony -DISS	UG/L	NA	2.7 BJ	NA	NA	NA
Arsenic -DISS	UG/L	NA	2.6 B	NA	NA	NA
Barium -DISS	UG/L	NA	1,060	NA	NA	NA
Cadmium -DISS	UG/L	NA	0.55 B	NA	NA	NA
Calcium -DISS	UG/L	NA	1,230,000	NA	NA	NA
Chromium -DISS	UG/L	NA	22.7	NA	NA	NA
Iron -DISS	UG/L	NA	18,500	NA	NA	NA
Lead -DISS	UG/L	NA	6.0 U	NA	NA	NA
Magnesium -DISS	UG/L	NA	783,000	NA	NA	NA
Mercury -DISS	UG/L	NA	0.20 U	NA	NA	NA
Nickel -DISS	UG/L	NA	11.5 B	NA	NA	NA
Potassium -DISS	UG/L	NA	67,900	NA	NA	NA
Selenium -DISS	UG/L	NA	5.0 U	NA	NA	NA
Silver -DISS	UG/L	NA	5.0 U	NA	NA	NA
Sodium -DISS	UG/L	NA	3,170,000 J	NA	NA	NA
Thallium -DISS	UG/L	NA	10 U	NA	NA	NA
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	NA	5.0 U	NA	31.2	NA
Alkalinity (Total)	MG/L	NA	662 J	NA	92.8 J	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Sample ID		MWN-03B	MWN-03D	MWN-03D	MWN-04	MWN-04
Lab Sample ID		P24A 276	C9K100121009	P24A 298	C9K090124011	P24A 279
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/09/99	11/09/99	11/08/99	11/08/99
Parameter	Units					
General Chemistry Parameters						
Chloride	MG/L	NA	9,620	NA	491	NA
Cyanide	MG/L	NA	0.010 UJ	NA	0.010 U	NA
Dissolved Oxygen	MG/L	NA	0.5	NA	4.1	NA
Field pH	S.U.	NA	6.2	NA	11.2	NA
Nitrate Nitrogen	MG/L	NA	0.10 U	NA	2.1	NA
Sulfate	MG/L	NA	10.0 U	NA	713	NA
Total Organic Carbon	MG/L	NA	45.2	NA	10.5	NA
Total Dissolved Solids	MG/L	NA	16,500	NA	2,080	NA
Total Organic Halogens	MG/L	NA	0.32 J	NA	0.031 J	NA
Total Recoverable Phenolics	MG/L	NA	0.0050 U	NA	0.0050 U	NA
Turbidity	NTU	NA	79	NA	1	NA
Redox Potential	Millivolts	NA	-20	NA	-82	NA
Temperature	DEG C	NA	14.9	NA	21.0	NA
Specific Conductance	UMHOS/CM	NA	2,800	NA	3,400	NA
Dissolved Gases						
Carbon Dioxide	MG/L	60.3	NA	482	NA	0.60 U
Carbon Monoxide	MG/L	0.40 U	NA	0.40 U	NA	0.40 U
Methane	MG/L	24.7	NA	19.4	NA	0.07 U
Nitrogen	MG/L	8.8	NA	3.5	NA	16.1
Oxygen	MG/L	0.28 J	NA	0.15 U	NA	3.4

Flags assigned during chemistry validation are shown.

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Sample ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Lab Sample ID		C9K090124012	P24A 280	C9K090124013	P24A 281	C9K100121008
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/08/99	11/08/99	11/08/99	11/09/99
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	R	NA	R	NA	R
Benzene	UG/L	5.2	NA	64	NA	5.2 U
Bromochloromethane	UG/L	5 U	NA	5 U	NA	5 U
Bromodichloromethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Bromoform	UG/L	5.0 U	NA	5.0 U	NA	5.0 UJ
Bromomethane	UG/L	10 U	NA	10 U	NA	10 U
Carbon tetrachloride	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chlorobenzene	UG/L	2.2 J	NA	46	NA	5.0 U
Chloroethane	UG/L	10 U	NA	10 U	NA	10 U
2-Chloroethyl vinyl ether	UG/L	50 UJ	NA	50 UJ	NA	50 UJ
Chloroform	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Chloromethane	UG/L	10 UJ	NA	10 UJ	NA	10 U
Dibromochloromethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Dichlorodifluoromethane	UG/L	10 U	NA	10 U	NA	10 U
1,1-Dichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,2-Dichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1-Dichloroethene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
trans-1,2-Dichloroethene	UG/L	2.5 U	NA	2.5 U	NA	2.5 U
1,2-Dichloropropane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
cis-1,3-Dichloropropene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
trans-1,3-Dichloropropene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Ethylbenzene	UG/L	5.0 U	NA	7 6	NA	5.0 U
Methylene chloride	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1,1,2-Tetrachloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Sample ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Lab Sample ID		C9K090124012	P24A 280	C9K090124013	P24A 281	C9K100121008
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/08/99	11/08/99	11/08/99	11/09/99
Parameter	Units					
Volatile Organic Compounds						
1,1,2,2-Tetrachloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Tetrachloroethene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Toluene	UG/L	2.9 J	NA	32	NA	5.0 U
1,1,1-Trichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
1,1,2-Trichloroethane	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Trichloroethene	UG/L	5.0 U	NA	5.0 U	NA	5.0 U
Trichlorofluoromethane	UG/L	10 UJ	NA	10 UJ	NA	10 UJ
Vinyl chloride	UG/L	10 U	NA	10 U	NA	10 U
Xylenes, Total	UG/L	5.8	NA	40	NA	8.6
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	6.7 J	NA	200 U	NA	10 U
Anthracene	UG/L	1.4 J	NA	200 U	NA	10 U
Benzo(a)anthracene	UG/L	10 U	NA	200 U	NA	10 U
Benzo(a)pyrene	UG/L	10 U	NA	200 U	NA	10 U
Butyl benzyl phthalate	UG/L	10 U	NA	200 U	NA	10 U
4-Chloro-3-methylphenol	UG/L	10 U	NA	200 U	NA	10 U
bis(2-Chloroethyl)ether	UG/L	10 U	NA	200 U	NA	10 U
2-Chloronaphthalene	UG/L	10 U	NA	200 U	NA	10 U
Chrysene	UG/L	10 U	NA	200 U	NA	10 U
Di-n-butyl phthalate	UG/L	10 U	NA	200 U	NA	10 U
Di-n-octyl phthalate	UG/L	10 U	NA	200 U	NA	10 U
1,2-Dichlorobenzene	UG/L	10 U	NA	200 U	NA	10 U
1,3-Dichlorobenzene	UG/L	10 U	NA	200 U	NA	10 U
1,4-Dichlorobenzene	UG/L	10 U	NA	200 U	NA	10 U

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Sample ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Lab Sample ID		C9K090124012	P24A 280	C9K090124013	P24A 281	C9K100121008
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/08/99	11/08/99	11/08/99	11/09/99
Parameter	Units					
Semivolatile Organic Compounds						
2,4-Dichlorophenol	UG/L	10 U	NA	200 U	NA	10 U
Diethyl phthalate	UG/L	10 U	NA	200 U	NA	10 U
Dimethyl phthalate	UG/L	10 U	NA	200 U	NA	10 U
2,4-Dimethylphenol	UG/L	3.7 J	NA	200 U	NA	10 U
4,6-Dinitro-2-methylphenol	UG/L	50 U	NA	1,000 U	NA	50 UJ
2,4-Dinitrotoluene	UG/L	10 U	NA	200 U	NA	10 U
2,6-Dinitrotoluene	UG/L	10 U	NA	200 U	NA	10 U
bis(2-Ethylhexyl)phthalate	UG/L	3.4 J	NA	200 U	NA	10 U
Fluoranthene	UG/L	4.6 J	NA	200 U	NA	10 U
Fluorene	UG/L	7.1 J	NA	200 U	NA	10 U
Hexachlorobenzene	UG/L	10 U	NA	200 U	NA	10 U
Hexachlorobutadiene	UG/L	10 U	NA	200 U	NA	10 U
Hexachlorocyclopentadiene	UG/L	50 U	NA	1,000 U	NA	50 U
Hexachloroethane	UG/L	10 U	NA	200 U	NA	10 U
Isophorone	UG/L	10 U	NA	200 U	NA	10 U
3-Methylphenol & 4-Methylphenol	UG/L	5.7 J	NA	400	NA	20 U
2-Methylphenol	UG/L	10 U	NA	200 U	NA	10 U
Naphthalene	UG/L	24	NA	1,500	NA	10 U
Pentachlorophenol	UG/L	50 U	NA	1,000 U	NA	50 U
Phenanthrene	UG/L	11	NA	200 U	NA	10 U
Phenol	UG/L	6.9 J	NA	190 J	NA	10 U
Pyrene	UG/L	2.7 J	NA	200 U	NA	10 U
Pyridine	UG/L	20 U	NA	400 U	NA	20 UJ
2,3,4,6-Tetrachlorophenol	UG/L	10 U	NA	200 U	NA	10 U

Flags assigned during chemistry validation are shown.

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Sample ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Lab Sample ID		C9K090124012	P24A 280	C9K090124013	P24A 281	C9K100121008
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/08/99	11/08/99	11/08/99	11/09/99
Parameter	Units					
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	10 U	NA	200 U	NA	10 U
2,4,5-Trichlorophenol	UG/L	10 U	NA	200 U	NA	10 U
2,4,6-Trichlorophenol	UG/L	10 U	NA	200 U	NA	10 U
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Metals						
Antimony	UG/L	60 UJ	NA	300 UJ	NA	10 UJ
Arsenic	UG/L	2 5 B	NA	50 0 U	NA	10 0 U
Barium	UG/L	102 B	NA	33,400	NA	81.1 B
Cadmium	UG/L	2.0 U	NA	48.2 J	NA	2.0 U
Calcium	UG/L	418,000	NA	17,000,000	NA	82,400
Chromium	UG/L	2.8 B	NA	207	NA	13.9
Iron	UG/L	50.3 B	NA	2,200,000	NA	3,090
Lead	UG/L	3.0 U	NA	25.2	NA	3.0 U
Magnesium	UG/L	23.3 B	NA	725,000	NA	46,200
Mercury	UG/L	0.20 U	NA	0.20 U	NA	0 20 U
Nickel	UG/L	40 U	NA	146 B	NA	12 B
Potassium	UG/L	81,300	NA	275,000	NA	8,020

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Sample ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Lab Sample ID		C9K090124012	P24A 280	C9K090124013	P24A 281	C9K100121008
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/08/99	11/08/99	11/08/99	11/09/99
Parameter	Units					
Metals						
Selenium	UG/L	5.5	NA	250 U	NA	5.0 U
Silver	UG/L	5.0 U	NA	8.2 B	NA	5.0 U
Sodium	UG/L	85,100	NA	254,000	NA	140,000
Thallium	UG/L	5 B	NA	250 U	NA	10 U
Dissolved Metals						
Antimony -DISS	UG/L	NA	NA	11.9 BJ	NA	10 UJ
Arsenic -DISS	UG/L	NA	NA	50.0 U	NA	10.0 U
Barium -DISS	UG/L	NA	NA	31,800	NA	78.1 B
Cadmium -DISS	UG/L	NA	NA	67.4 J	NA	2.0 U
Calcium -DISS	UG/L	NA	NA	16,900,000	NA	80,300
Chromium -DISS	UG/L	NA	NA	10.6 B	NA	2.5 B
Iron -DISS	UG/L	NA	NA	2,100,000	NA	1,420
Lead -DISS	UG/L	NA	NA	8.3 B	NA	3.0 U
Magnesium -DISS	UG/L	NA	NA	702,000	NA	46,100
Mercury -DISS	UG/L	NA	NA	0.20 U	NA	0.20 U
Nickel -DISS	UG/L	NA	NA	200 U	NA	40 U
Potassium -DISS	UG/L	NA	NA	274,000	NA	7,690
Selenium -DISS	UG/L	NA	NA	125 U	NA	5.0 U
Silver -DISS	UG/L	NA	NA	6.8 B	NA	5.0 U
Sodium -DISS	UG/L	NA	NA	236,000	NA	137,000 J
Thallium -DISS	UG/L	NA	NA	250 U	NA	10 U
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	669	NA	5.0 U	NA	5.0 U
Alkalinity (Total)	MG/L	800 J	NA	5.0 UJ	NA	442 J

Flags assigned during chemistry validation are shown

Detection Limits shown are PQL

Advanced Selection: WG SAMP NOV99
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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Sample ID		MWN-05A	MWN-05A	MWN-05B	MWN-05B	MWN-05D
Lab Sample ID		C9K090124012	P24A 280	C9K090124013	P24A 281	C9K100121008
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/08/99	11/08/99	11/08/99	11/08/99	11/09/99
Parameter	Units					
General Chemistry Parameters						
Chloride	MG/L	207	NA	36,900	NA	183
Cyanide	MG/L	0.010 U	NA	0.010 U	NA	0.010 UJ
Dissolved Oxygen	MG/L	0 7	NA	0.3	NA	0 4
Field pH	S.U.	12 4	NA	6.8	NA	6 7
Nitrate Nitrogen	MG/L	0.20	NA	5 0 U	NA	0.10 U
Sulfate	MG/L	261	NA	5.0 U	NA	5.0 U
Total Organic Carbon	MG/L	4 1	NA	21.1	NA	1 7
Total Dissolved Solids	MG/L	1,480	NA	55,700	NA	745
Total Organic Halogens	MG/L	0 023 BJ	NA	1.3 J	NA	0.0043 BJ
Total Recoverable Phenolics	MG/L	0.057	NA	0.31	NA	0.0050 U
Turbidity	NTU	1	NA	320	NA	580
Redox Potential	Millivolts	-193	NA	-254	NA	-104
Temperature	DEG C	14.0	NA	14.8	NA	15.0
Specific Conductance	UMHOS/CM	4,800	NA	82,000	NA	1,500
Dissolved Gases						
Carbon Dioxide	MG/L	NA	0 60 U	NA	2 3 J	NA
Carbon Monoxide	MG/L	NA	0 40 U	NA	0 40 U	NA
Methane	MG/L	NA	2 0	NA	22 5	NA
Nitrogen	MG/L	NA	15 7	NA	1 0 J	NA
Oxygen	MG/L	NA	0 87	NA	0 15 U	NA

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Sample ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Lab Sample ID		P24A 297	C9K100121007	P24A 286	C9K110118006	P24A 334
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/09/99	11/09/99	11/09/99	11/10/99	11/10/99
Parameter	Units					
Volatile Organic Compounds						
Acrylonitrile	UG/L	NA	R	NA	R	NA
Benzene	UG/L	NA	12 U	NA	4.6 J	NA
Bromochloromethane	UG/L	NA	5 U	NA	5 UJ	NA
Bromodichloromethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Bromoform	UG/L	NA	5.0 UJ	NA	5.0 U	NA
Bromomethane	UG/L	NA	10 U	NA	10 U	NA
Carbon tetrachloride	UG/L	NA	5.0 U	NA	5.0 U	NA
Chlorobenzene	UG/L	NA	5.0 U	NA	5.0 U	NA
Chloroethane	UG/L	NA	10 U	NA	10 U	NA
2-Chloroethyl vinyl ether	UG/L	NA	50 UJ	NA	50 U	NA
Chloroform	UG/L	NA	5.0 U	NA	5.0 U	NA
Chloromethane	UG/L	NA	10 U	NA	10 UJ	NA
Dibromochloromethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Dichlorodifluoromethane	UG/L	NA	10 U	NA	10 UJ	NA
1,1-Dichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,2-Dichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1-Dichloroethene	UG/L	NA	5.0 U	NA	5.0 U	NA
trans-1,2-Dichloroethene	UG/L	NA	2.5 U	NA	2.5 U	NA
1,2-Dichloropropane	UG/L	NA	5.0 U	NA	5.0 U	NA
cis-1,3-Dichloropropene	UG/L	NA	5.0 U	NA	5.0 U	NA
trans-1,3-Dichloropropene	UG/L	NA	5.0 U	NA	5.0 U	NA
Ethylbenzene	UG/L	NA	5.0 U	NA	5.0 U	NA
Methylene chloride	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1,1,2-Tetrachloroethane	UG/L	NA	5.0 U	NA	5.0 UJ	NA

Flags assigned during chemistry validation are shown

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Sample ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Lab Sample ID		P24A 297	C9K100121007	P24A 286	C9K110118006	P24A 334
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/09/99	11/09/99	11/09/99	11/10/99	11/10/99
Parameter	Units					
Volatile Organic Compounds						
1,1,2,2-Tetrachloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Tetrachloroethene	UG/L	NA	5.0 U	NA	5.0 U	NA
Toluene	UG/L	NA	2.5 J	NA	1.0 J	NA
1,1,1-Trichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
1,1,2-Trichloroethane	UG/L	NA	5.0 U	NA	5.0 U	NA
Trichloroethene	UG/L	NA	5.0 U	NA	5.0 U	NA
Trichlorofluoromethane	UG/L	NA	10 UJ	NA	10 UJ	NA
Vinyl chloride	UG/L	NA	10 U	NA	10 U	NA
Xylenes, Total	UG/L	NA	6.2	NA	5.0 U	NA
Semivolatile Organic Compounds						
Acenaphthylene	UG/L	NA	3.8 J	NA	10 U	NA
Anthracene	UG/L	NA	1.5 J	NA	10 U	NA
Benzo(a)anthracene	UG/L	NA	10 U	NA	10 U	NA
Benzo(a)pyrene	UG/L	NA	10 U	NA	10 U	NA
Butyl benzyl phthalate	UG/L	NA	10 U	NA	10 U	NA
4-Chloro-3-methylphenol	UG/L	NA	10 U	NA	R	NA
bis(2-Chloroethyl)ether	UG/L	NA	10 U	NA	10 U	NA
2-Chloronaphthalene	UG/L	NA	10 U	NA	10 U	NA
Chrysene	UG/L	NA	10 U	NA	10 U	NA
Di-n-butyl phthalate	UG/L	NA	10 U	NA	10 U	NA
Di-n-octyl phthalate	UG/L	NA	10 U	NA	10 U	NA
1,2-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
1,3-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
1,4-Dichlorobenzene	UG/L	NA	10 U	NA	10 U	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Sample ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Lab Sample ID		P24A 297	C9K100121007	P24A 286	C9K110118006	P24A 334
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/09/99	11/09/99	11/09/99	11/10/99	11/10/99
Parameter	Units					
Semivolatile Organic Compounds						
2,4-Dichlorophenol	UG/L	NA	10 U	NA	R	NA
Diethyl phthalate	UG/L	NA	10 U	NA	10 U	NA
Dimethyl phthalate	UG/L	NA	10 U	NA	10 U	NA
2,4-Dimethylphenol	UG/L	NA	2 3 J	NA	R	NA
4,6-Dinitro-2-methylphenol	UG/L	NA	50 U	NA	R	NA
2,4-Dinitrotoluene	UG/L	NA	10 U	NA	10 U	NA
2,6-Dinitrotoluene	UG/L	NA	10 U	NA	10 U	NA
bis(2-Ethylhexyl)phthalate	UG/L	NA	10 U	NA	3 8 J	NA
Fluoranthene	UG/L	NA	1 9 J	NA	1 6 J	NA
Fluorene	UG/L	NA	6 4 J	NA	2 9 J	NA
Hexachlorobenzene	UG/L	NA	10 U	NA	10 U	NA
Hexachlorobutadiene	UG/L	NA	10 U	NA	10 U	NA
Hexachlorocyclopentadiene	UG/L	NA	50 U	NA	50 U	NA
Hexachloroethane	UG/L	NA	10 U	NA	10 U	NA
Isophorone	UG/L	NA	10 U	NA	10 U	NA
3-Methylphenol & 4-Methylphenol	UG/L	NA	20 U	NA	R	NA
2-Methylphenol	UG/L	NA	10 U	NA	R	NA
Naphthalene	UG/L	NA	30	NA	230 D	NA
Pentachlorophenol	UG/L	NA	50 U	NA	R	NA
Phenanthrene	UG/L	NA	15	NA	3 2 J	NA
Phenol	UG/L	NA	12	NA	R	NA
Pyrene	UG/L	NA	10 U	NA	1 3 J	NA
Pyridine	UG/L	NA	20 UJ	NA	6 5 J	NA
2,3,4,6-Tetrachlorophenol	UG/L	NA	10 U	NA	R	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Sample ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Lab Sample ID		P24A 297	C9K100121007	P24A 286	C9K110118006	P24A 334
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/09/99	11/09/99	11/09/99	11/10/99	11/10/99
Parameter	Units					
Semivolatile Organic Compounds						
1,2,4-Trichlorobenzene	UG/L	NA	10 U	NA	10 U	NA
2,4,5-Trichlorophenol	UG/L	NA	10 U	NA	R	NA
2,4,6-Trichlorophenol	UG/L	NA	10 U	NA	R	NA
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	NA	NA	NA	NA	NA
Aroclor 1221	UG/L	NA	NA	NA	NA	NA
Aroclor 1232	UG/L	NA	NA	NA	NA	NA
Aroclor 1242	UG/L	NA	NA	NA	NA	NA
Aroclor 1248	UG/L	NA	NA	NA	NA	NA
Aroclor 1254	UG/L	NA	NA	NA	NA	NA
Aroclor 1260	UG/L	NA	NA	NA	NA	NA
Metals						
Antimony	UG/L	NA	10 UJ	NA	10 U	NA
Arsenic	UG/L	NA	10.0 U	NA	10.0 U	NA
Barium	UG/L	NA	244	NA	398 J	NA
Cadmium	UG/L	NA	2.0 U	NA	2.0 U	NA
Calcium	UG/L	NA	469,000	NA	407,000	NA
Chromium	UG/L	NA	2.1 B	NA	19.1	NA
Iron	UG/L	NA	163	NA	189	NA
Lead	UG/L	NA	3.0 U	NA	3.0 U	NA
Magnesium	UG/L	NA	5,000 U	NA	25.6 B	NA
Mercury	UG/L	NA	0.20 U	NA	0.20 U	NA
Nickel	UG/L	NA	40 U	NA	40 U	NA
Potassium	UG/L	NA	60,500	NA	28,500	NA

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Sample ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Lab Sample ID		P24A 297	C9K100121007	P24A 286	C9K110118006	P24A 334
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/09/99	11/09/99	11/09/99	11/10/99	11/10/99
Parameter	Units					
Metals						
Selenium	UG/L	NA	4.2 B	NA	4.8 B	NA
Silver	UG/L	NA	5.0 U	NA	5.0 U	NA
Sodium	UG/L	NA	121,000	NA	4,760,000	NA
Thallium	UG/L	NA	10 U	NA	10 U	NA
Dissolved Metals						
Antimony -DISS	UG/L	NA	NA	NA	10 U	NA
Arsenic -DISS	UG/L	NA	NA	NA	10.0 U	NA
Barium -DISS	UG/L	NA	NA	NA	418 J	NA
Cadmium -DISS	UG/L	NA	NA	NA	2.0 U	NA
Calcium -DISS	UG/L	NA	NA	NA	433,000	NA
Chromium -DISS	UG/L	NA	NA	NA	19.2	NA
Iron -DISS	UG/L	NA	NA	NA	201	NA
Lead -DISS	UG/L	NA	NA	NA	3.0 U	NA
Magnesium -DISS	UG/L	NA	NA	NA	22.0 B	NA
Mercury -DISS	UG/L	NA	NA	NA	0.20 U	NA
Nickel -DISS	UG/L	NA	NA	NA	40 U	NA
Potassium -DISS	UG/L	NA	NA	NA	29,400	NA
Selenium -DISS	UG/L	NA	NA	NA	4.2 BJ	NA
Silver -DISS	UG/L	NA	NA	NA	1.6 B	NA
Sodium -DISS	UG/L	NA	NA	NA	5,070,000	NA
Thallium -DISS	UG/L	NA	NA	NA	3.6 B	NA
General Chemistry Parameters						
Alkalinity (as CaCO3)	MG/L	NA	48.8	NA	48.9	NA
Alkalinity (Total)	MG/L	NA	1,050 J	NA	252 J	NA

Flags assigned during chemistry validation are shown

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COMPREHENSIVE GROUNDWATER SAMPLING ROUND (NOVEMBER 1999)
GROUNDWATER

Location ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Sample ID		MWN-05D	MWN-06A	MWN-06A	MWN-07	MWN-07
Lab Sample ID		P24A 297	C9K100121007	P24A 286	C9K110118006	P24A 334
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		11/09/99	11/09/99	11/09/99	11/10/99	11/10/99
Parameter	Units					
General Chemistry Parameters						
Chloride	MG/L	NA	202	NA	8,520	NA
Cyanide	MG/L	NA	0.010 UJ	NA	0.51	NA
Dissolved Oxygen	MG/L	NA	0.6	NA	0.9	NA
Field pH	S.U	NA	12.5	NA	11.77	NA
Nitrate Nitrogen	MG/L	NA	0.14	NA	6.7	NA
Sulfate	MG/L	NA	98.6	NA	231	NA
Total Organic Carbon	MG/L	NA	4.0	NA	2.4	NA
Total Dissolved Solids	MG/L	NA	1,500	NA	14,200	NA
Total Organic Halogens	MG/L	NA	0.012 BJ	NA	0.20 J	NA
Total Recoverable Phenolics	MG/L	NA	0.027	NA	0.010	NA
Turbidity	NTU	NA	1	NA	180	NA
Redox Potential	Millivolts	NA	-347	NA	-173	NA
Temperature	DEG C	NA	14.9	NA	18.2	NA
Specific Conductance	UMHOS/CM	NA	6,200	NA	2,960	NA
Dissolved Gases						
Carbon Dioxide	MG/L	152	NA	0.60 U	NA	0.60 U
Carbon Monoxide	MG/L	0.40 U	NA	0.40 U	NA	0.40 U
Methane	MG/L	32.7	NA	1.4	NA	0.44 J
Nitrogen	MG/L	0.62 J	NA	18.0	NA	15.1
Oxygen	MG/L	0.15 U	NA	0.74	NA	1.0

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APPENDIX C

DEED RESTRICTION

DECLARATION
OF
CONDITIONS, COVENANTS AND RESTRICTIONS

Made By: Bethlehem Steel Corporation
1170 Eighth Avenue
Bethlehem, Pennsylvania 18016-7699

Dated: February 20, 1996

REC 970

779-14

DECLARATION OF CONDITIONS, COVENANTS AND RESTRICTIONS

THIS DECLARATION OF CONDITIONS, COVENANTS AND RESTRICTIONS, made this 20th day of February, 1996, by Bethlehem Steel Corporation, a corporation duly formed and existing under the laws of the State of Delaware, authorized to do business in the State of New York, and having its principal place of business in the City of Bethlehem, Lehigh County, Pennsylvania, with a mailing address of 1170 Eighth Avenue, Bethlehem, Pennsylvania 18016-7699 (hereinafter "BSC"),

W I T N E S S E T H:

WHEREAS, BSC is the owner of certain noncontiguous lands adjacent to the eastern shore of Lake Erie situate partly in the City of Lackawanna, partly in the Town of Hamburg and partly in the Village of Blasdell, all in the County of Erie, State of New York, containing in the aggregate approximately 1,215 acres, and encompassing approximately 2.5 miles in an approximate north-south direction and approximately 1.4 miles in an approximate east-west direction, which were formerly part of the site of an integrated steel plant, and a portion of which lands is described and delineated more particularly in SCHEDULE B herein (said portion shall be hereinafter referred to as the "Premises"); and

WHEREAS, the history of the Premises is described more fully in SCHEDULE A herein; and

WHEREAS, certain governmental agencies and BSC have conducted environmental investigations at and near the Premises, the scope, result and impact of each of which are described more fully in SCHEDULE A herein; and

WHEREAS, BSC seeks to impose conditions, covenants and restrictions on the Premises for the purpose of promoting, benefitting, preserving and protecting the health and safety of the public and the environment all as related to the foregoing.

NOW, THEREFORE, (i) BSC, on behalf of itself, its successors and assigns, hereby declares and (ii) each and every person or entity who shall be an owner of the Premises or any part thereof, hereby covenants and agrees on behalf of itself, its successors and assigns, that the Premises or any part thereof shall be held, transferred, sold, conveyed, occupied and developed subject to the following conditions, covenants and restrictions:

1. The Premises or any part thereof shall be limited to industrial use only, which shall include manufacturing, assembling, warehousing, and related railroad, port and shipping activities, together with office space and other facilities including laboratories incidental to such uses, but incidental uses such as day care centers, nursery schools or other facilities that are designed or intended to be primarily for use or occupancy by multiple numbers of persons under the age of eighteen (18) years shall not be permitted.

2. No wells for the extraction or use of water from beneath the surface of the Premises or any part thereof shall be installed, built, permitted or utilized on the Premises or any part thereof for any purpose whatsoever; provided, however, that BSC may install, use, operate and maintain monitoring wells and treatment wells, including the extraction and treatment of water therefrom, solely for the purpose of monitoring, treating or remediating such water; and provided, further, that any other owner of the Premises or any

part thereof may install, use, operate and maintain monitoring wells and treatment wells, including the extraction and treatment of water therefrom, on the part of the Premises so owned by such owner, solely for the purpose of monitoring, treating or remediating such water.

3. Any activity or use not specifically permitted hereby or any activity prohibited pursuant hereto shall be forbidden.

A. Purpose.

It is the intent of BSC by means of said conditions, covenants and restrictions to promote, benefit, preserve and protect the health and safety of the public and the environment by preventing any activity or use not specifically permitted above or any activity prohibited pursuant to paragraphs 1 and 2 above.

B. Conditions, Covenants and Restrictions to Run with the Premises.

Said conditions, covenants and restrictions shall run with the Premises and every part thereof and shall bind all owners and occupiers of the Premises or any part thereof, and their respective successors and assigns; all parties claiming by, through, or under them or any of them shall be taken to hold, agree and covenant with all owners of the Premises or any part thereof, and their respective successors and assigns and each of them, to conform to and observe said conditions, covenants and restrictions.

C. Enforceability.

Said conditions, covenants and restrictions shall inure to the benefit of and be enforceable by BSC and by each and every person or entity, including BSC,

who shall be an owner of the Premises or any part thereof, and their respective successors and assigns, and shall also benefit BSC, its successors and assigns, for so long as BSC shall (i) own any property either adjacent or proximal to the Premises or any part thereof or (ii) be responsible under any law, ordinance, rule or regulation for the presence of hazardous wastes or hazardous constituents or both upon or within the Premises or any part thereof or in said property adjacent or proximal to the Premises or any part thereof but said conditions, covenants and restrictions shall not give rise, by implication or otherwise, to a reciprocal condition, covenant or restriction burdening or binding upon the other lands or any part thereof of BSC benefitted hereby, by actions at law or by suits in equity. As it may be impossible to measure monetarily the damages which may accrue to the beneficiaries hereunder by reason of a violation of this Declaration, any beneficiary hereunder shall be entitled to relief by way of injunction or specific performance, as well as any other relief available at law or in equity, to enforce the provisions hereof.

The failure of any beneficiary hereunder to enforce any provision of this Declaration shall in no event be construed as a waiver of the right of that beneficiary or any other beneficiary hereunder to do so thereafter, as to the same or a similar violation occurring prior or subsequent thereto. No liability shall attach to BSC or any subsidiary or other affiliate of BSC (or any officer, director, employee, member, agent, committee or committee member of any of them) or to any other beneficiary hereunder

(excepting, however, the subject owner in breach) for failure to enforce the provisions of this Declaration.

If BSC or any other beneficiary hereunder successfully brings an action to extinguish a breach or otherwise enforce the provisions of this Declaration, the costs of such action, including legal fees, shall become a binding, personal obligation of the owner in breach.

D. Amendments and Termination.

Any amendment or termination of this Declaration affecting any part of the Premises shall require the written consent of all owners of the Premises or any part thereof, which consent shall not be unreasonably withheld, and of BSC, or its successors or assigns, whose consent may be withheld in its sole discretion.

Any amendment or termination of this Declaration shall not become effective until the instrument evidencing such change has been duly recorded in the Erie County Clerk's Office.

Neither this Declaration nor any amendment to this Declaration shall be interpreted as permitting any action or thing prohibited by the applicable laws, ordinances, rules or regulations of any governmental authority having jurisdiction over the part of the Premises affected or by specific restrictions imposed by any other instrument relating to the Premises or to such part of the Premises.

No change of conditions or circumstances shall operate to amend this Declaration, and this Declaration may be amended only in the manner provided herein.

The determination by any court of competent jurisdiction that any provision of this Declaration is unenforceable invalid or void shall not affect the enforceability or validity of any other provision hereof.

IN WITNESS WHEREOF, BSC has executed this Declaration as of the day and year first above written.

ATTEST:

BETHLEHEM STEEL CORPORATION,
by

Assistant Secretary

A.E. Moffitt, Jr.
Vice President

COMMONWEALTH OF PENNSYLVANIA)
) SS.:
COUNTY OF LEHIGH)

On the 20th day of February, 1996, before me personally came A. E. Moffitt, Jr., to me known, who, being by me duly sworn, did depose and say that he resides at 3850 Brandeis Avenue, Bethlehem, Pennsylvania 18017; that he is a Vice President of Bethlehem Steel Corporation, the corporation described in and which executed the above instrument; and that he signed his name thereto by authority of the By-laws of said corporation.

Dorothy A. Midash
Notary Public

NOTARIAL SEAL
Dorothy A. Midash, Notary Public
City of Bethlehem, Lehigh County, Pa.
My Commission Expires Dec. 7, 1996

SCHEDULE A
HISTORY OF THE PREMISES

The Premises were formerly part of the site (the "Site") of an integrated steel plant for iron and steel production, which plant consisted of blast furnaces, coke batteries, basic oxygen and open hearth steelmaking furnaces, a sinter plant, rolling mills, and finishing mills (includes a galvanizing line). Iron and steel production ceased in October 1983. Thus, as of the date hereof, the only operations remaining in service are coke batteries that are located on the Premises and a galvanizing line that is located on lands of BSC other than the Premises. The approximate western seven-tenths (7/10) of the Premises (the "Fill Area") is "man-made" land, having been filled by the deposition of various constituents hereinafter described to an average elevation of about 30 feet above Lake Erie mean water level.

A Resource Conservation and Recovery Act ("RCRA") Facility Assessment ("RFA") conducted in 1988 by the U.S. Environmental Protection Agency (the "EPA") and National Enforcement Investigation Center ("NEIC") identified certain solid waste management units ("SWMUs") some of which are located within the Premises. Said SWMUs may have received various wastes or substances, and several water courses, portions or all of which may be on the Premises or on lands adjacent to the Premises, may have been impacted by releases from SWMUs. Pursuant to Section 3008(h) of RCRA, BSC and the EPA entered into an Administrative Order on Consent dated August 13, 1990 ("AOC"), which directed BSC to perform a phased site-wide RCRA

Facility Investigation to determine the nature and extent of any releases of hazardous wastes or hazardous constituents or both from SWMUs into soils, groundwater, sediment, and surface water at or near the Premises.

Documentary information with respect to the types and locations of SWMUs, and any areas of the Premises (or adjacent to the Premises) that may have been impacted by releases of hazardous wastes or hazardous constituents or both from SWMUs, can currently be obtained from documents submitted to (1) the EPA Region II New York office (currently at Hazardous Waste Facilities Branch, Air and Waste Management Division, U.S. Environmental Protection Agency, Region II, 22nd Floor, 240 Broadway, New York, New York 10007-1866), and (2) the New York State Department of Environmental Conservation (the "DEC") at its Albany, New York office (currently at 50 Wolf Road, Albany, New York 12233), and its Region 9 office at Buffalo, New York (currently at 270 Michigan Avenue, Buffalo, New York 14208-2999). Such documentary information (the "Documentary Information") includes but is not limited to the following:

A. Letter from BSC to EPA Region II, dated September 25, 1986, together with attachments, concerning Response to Information Request Pursuant to RCRA Section 3007, Bethlehem Steel Corporation: Lackawanna, New York;

B. United States Environmental Protection Agency Region II, Administrative Order on Consent, Docket No. II RCRA-90-3008(h)-0201, In the Matter of Bethlehem Steel Corporation, Lackawanna, New York 14218-0310, EPA I.D. No. NYD002134880, dated August 13, 1990, together with attachments;

C. Draft Final Report Phased Site Investigation, Bethlehem Steel Corporation, Lackawanna, New York, Phase I, dated August 14, 1992; and

D. Draft Final Report Phased Site Investigation, Bethlehem Steel Corporation, Lackawanna, New York, Phase II-A, dated June 29, 1993, together with appendices.

BSC records and aerial photographs dating from 1938 to the present indicate that the Fill Area (as more specifically identified in the Documentary Information, covering the westward advancement of the Lake Erie shoreline) was used for the disposal from the Premises and from certain other lands located in Erie County, New York (some of which lands are currently owned by BSC and others of which are formerly of BSC or its predecessors in interest that were sold prior to the date hereof), of some or all of (i) excess blast furnace and steelmaking slag, (ii) waste materials, including sludges from wastewater treatment plants, other sludges, dusts and liquids from steel finishing, steel forming, steelmaking, ironmaking and coke-making operations, and (iii) dredge materials from Smokes Creek, which creek is located south of the Premises. The Fill Area has also been the site of oil tanks, coal storage piles, and disposal areas for general debris from the Premises, the Site, said other lands of BSC, and said former lands of BSC. Disposal activities in the Fill Area have ceased.

Further information with respect to past activities at the Premises, current activities, previous environmental investigations, current environmental investigations, groundwater quality, settings and classifications of identified SWMUs, areas of possible environmental concern, topography, and geology, hydrogeology, human health

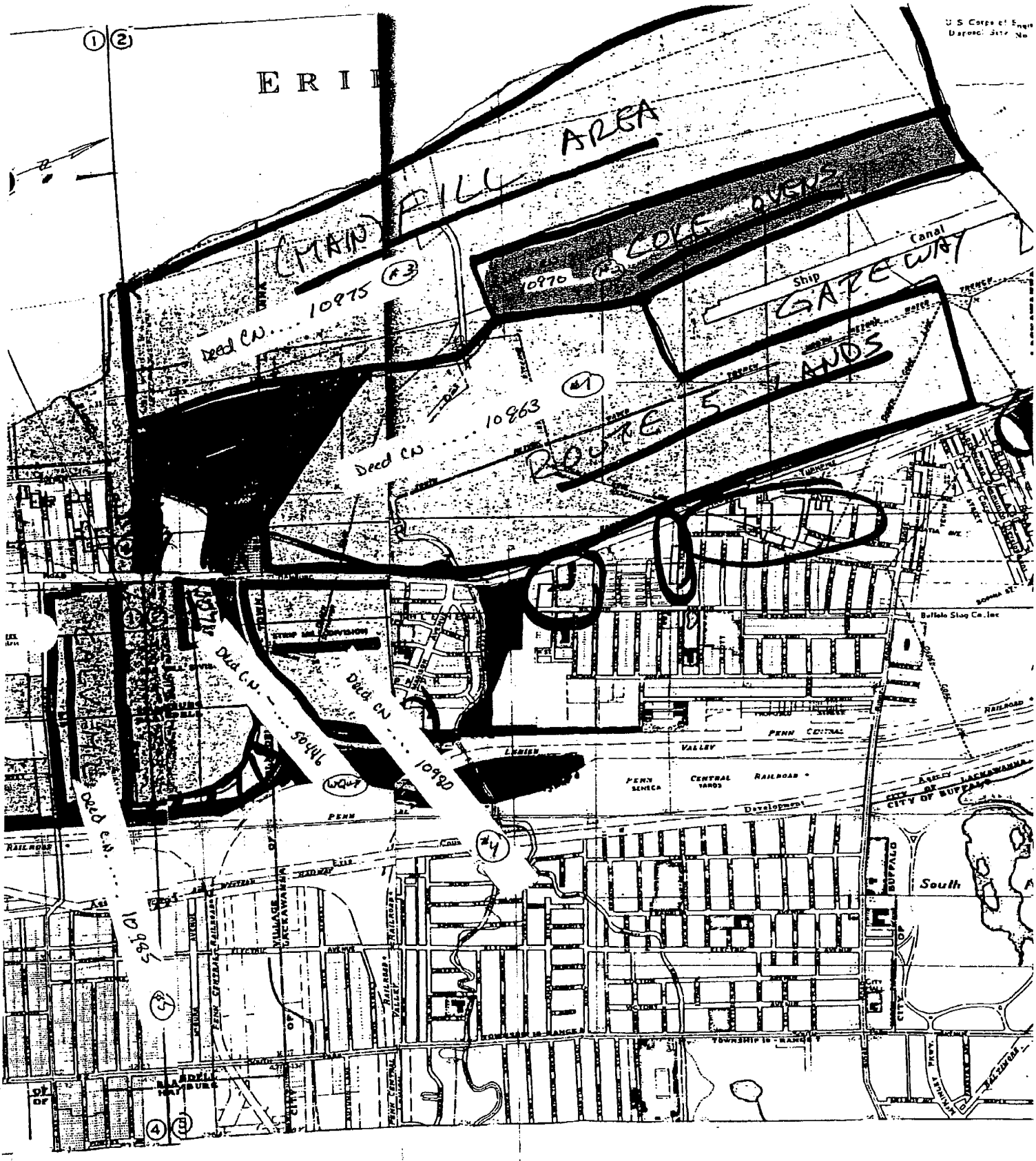
and environmental impacts (with respect to the Premises and regionally), can be obtained from the Documentary Information and other documents submitted to the EPA and the DEC at the above-identified locations.

SCHEDULE B
LEGAL DESCRIPTION OF THE PREMISES

All that tract of land situate in the City of Lackawanna, Erie County, New York, being parts of Lots 18, 19, 22, 23 and 25 of the Ogden Gore Tract, part of Lot 24, Township 10, Range 8, of the Buffalo Creek Reservation, and lands now or formerly under the waters of Lake Erie and more particularly bounded and described as follows:

BEGINNING on the Buffalo Harbor Line dated August 17, 1903 at the northwesterly corner of the tract of land that was remised, released and quitclaimed by said Bethlehem Steel Corporation to Gateway Trade Center Inc. by Indenture dated December 31, 1985, and recorded on December 31, 1985 in the Erie County Clerk's Office in Liber 9530 of Deeds, at page 385, and which Indenture was, in part, corrected by Corrective Indenture between said Bethlehem Steel Corporation and said Gateway Trade Center Inc. dated May 1, 1995, and recorded on May 16, 1995 in said Office in Liber 10886 of Deeds, at page 1064; thence, along said last-mentioned tract of land, the following fourteen (14) courses and distances: (1) South eighteen degrees forty-four minutes fifty-three seconds East (S. 18° 44′ 53″ E.) six hundred twenty-three and fifty-six one-hundredths (623.56) feet, (2) South thirty-four degrees thirty-three minutes zero seconds East (S. 34″ 33′ 00″ E.) two hundred and no one-hundredths (200.00) feet, (3) South twenty-six degrees eighteen minutes fifty-five seconds East (S. 26° 18′ 55″ E.) five hundred and no one-hundredths (500.00) feet, (4) South nineteen degrees six minutes forty seconds East (S. 19″ 06′ 40″ E.) one thousand seventy-four and twenty-nine one-hundredths (1074.29) feet, (5) South twenty-eight degrees three minutes eighteen seconds East (S. 28° 03′ 18″ E.) two hundred forty-two and forty-four one-hundredths (242.44) feet, (6) South eighteen degrees thirty-eight minutes fifty seconds East (S. 18° 38′ 50″ E.) one thousand ten and ninety-five one-hundredths (1010.95) feet, (7) North seventy-one degrees twenty minutes fifty-one seconds East (N. 71° 20′ 51″ E.) ninety and forty-two one-hundredths (90.42) feet, (8) South eighteen degrees forty-nine minutes twenty seconds East (S. 18° 49′ 20″ E.) one hundred fifty-eight and sixty-one one-hundredths (158.61) feet, (9) South eighty degrees fifty-five minutes ten seconds East (S. 80° 55′ 10″ E.) forty-five and fourteen one-hundredths (45.14) feet, (10) South eighteen degrees four minutes forty-five seconds East (S. 18° 04′ 45″ E.) fifty-two and thirteen one-hundredths (52.13) feet, (11) North seventy-one degrees seven minutes twenty-three seconds East (N. 71° 07′ 23″ E.) one hundred two and fifty-nine one-hundredths (102.59) feet, (12) South eighteen degrees forty-one minutes forty seconds East (S. 18° 41′ 40″ E.) sixty-three and no one-hundredths (63.00) feet, (13) South

seventy-one degrees seven minutes twenty-three seconds West (S. 71° 07′ 23″ W.) two hundred forty and sixty-two one-hundredths (240.62) feet, and (14) South eighteen degrees thirty-eight minutes fifty seconds East (S. 18° 38′ 50″ E.) six hundred sixty-eight and thirteen one-hundredths (668.13) feet; thence, along other lands of said Bethlehem Steel Corporation, the following seven (7) courses and distances: (1) South four degrees forty minutes fifty-one seconds East (S. 04° 40′ 51″ E.) seven hundred eighty-seven and seventy-two one-hundredths (787.72) feet, (2) South seventy-one degrees twenty-three minutes thirty-five seconds West (S. 71° 23′ 35″ W.) two hundred and no one-hundredths (200.00) feet, (3) South eighteen degrees thirty-six minutes twenty-five seconds East (S. 18° 36′ 25″ E.) eight hundred fifty and no one-hundredths (850.00) feet, (4) South seventy-one degrees twenty-three minutes thirty-five seconds West (S. 71° 23′ 35″ W.) one thousand one hundred and no one-hundredths (1100.00) feet, (5) North eighteen degrees thirty-six minutes twenty-five seconds West (N. 18° 36′ 25″ W.) one thousand four hundred and no one-hundredths (1400.00) feet, (6) North seventy-one degrees twenty-three minutes thirty-five seconds East (N. 71° 23′ 35″ E.) thirty and no one-hundredths (30.00) feet, and (7) North eighteen degrees thirty-six minutes twenty-five seconds West (N. 18° 36′ 25″ W.) four thousand six hundred fifty and no one-hundredths (4650.00) feet to the southerly line of lands reputedly owned by The People of the State of New York; thence, along said last-mentioned lands, North seventy-one degrees twenty-three minutes thirty-five seconds East (N. 71° 23′ 35″ E.) seven hundred thirty-eight and no one-hundredths (738.00) feet to a westerly line of lands reputedly owned by The United States of America; thence, along said last-mentioned lands, the following two (2) courses and distances: (1) South thirty-five degrees fifty-seven minutes twenty-five seconds East (S. 35° 57′ 25″ E.) thirty-five and eighty-three one-hundredths (35.83) feet and (2) North fifty-four degrees two minutes thirty-five seconds East (N. 54° 02′ 35″ E.) two hundred and no one-hundredths (200.00) feet to the above-mentioned Buffalo Harbor Line dated August 17, 1903; thence, along said Buffalo Harbor Line, North fifty degrees one minute forty-five seconds East (N. 50° 01′ 45″ E.) three hundred seventy-nine and fifty-four one-hundredths (379.54) feet to the place of beginning; CONTAINING one hundred ninety-one and nine hundred ninety-three one-thousandths (191.993) acres, more or less.



ERI
(MAIN) FILL AREA
COKE OVENS
GATEWAY
Ship Canal
ROUTE 5 LANDS
Deed CN 10975 #3
10970 #2
Deed CN 10863 #1
Deed CN 50446
Deed CN 10980
Deed CN 10985 #5
#4
Buffalo Slag Co. Inc
PENN CENTRAL
VALLEY
PENN SENECA
CENTRAL YARDS
RAILROAD
Development
CITY OF BUFFALO
South

APPENDIX D

MAY 9, 2007 MEMORANDUM SUBMITTED TO NYSDEC

TurnKey Environmental Restoration, LLC

726 Exchange Street, Suite 624
Buffalo, New York, 14210
Phone: (716) 856-0635
Fax (716) 856-0583

Memorandum

To: Maurice Moore, NYSDEC

From: Patrick Martin

Date: May 9, 2007

Cc: P. Curran, T. Ryan: BQ Energy

Re: Proposed Steel Winds BCP Off-Site Soil/Fill & Groundwater Investigation - WT-1 & WT-8 Vicinity

TurnKey has reviewed the Department's May 8, 2007 response to our May 2, 2007 investigation proposal and we concur with the Department's comments and are resubmitting the WT-1 Vicinity investigation proposal incorporating the Departments comments for the installation of 2 additional wells and relocating 2 planned wells. In addition, this proposal includes supplemental investigation activities planned for the wind turbine WT-8 vicinity to address the Departments concerns related to groundwater impacts identified north of this area (i.e., vicinity of wind turbine WT-8). Drilling at both investigation locations is tentatively scheduled for the week of May 21, 2007. Upon completion of the planned wells for both WT-1 and WT-8 vicinity investigations, well development and sampling activities will commence. Groundwater sample collection activities are tentatively scheduled for May 29-30, 2007. The Department will be notified as the drilling and sampling schedule is confirmed. The revised proposal follows.

In order to support the proposed in-situ groundwater remediation approach in the vicinity of wind turbine WT-1 as discussed at our April 27, 2007 review meeting with the Department (and subsequently incorporate this approach into a revised SI/RAR report for the Steel Winds BCP), Steel Winds is proposing to conduct a supplemental off-site soil/fill and groundwater sampling program adjacent to the south end of the BCP parcel to provide supporting data for a proposed in-situ groundwater remediation approach (see Figure 1). This approach is based on the assumption that the impacted groundwater and soil/fill (sediments) observed in the wind turbine WT-1 vicinity extend beyond the borders of the BCP parcel and have and will continue to have impacts to off-site groundwater that would not be mitigated by a slurry wall and/or pump and treat system. An additional investigation of the WT-8 vicinity will be conducted to determine whether groundwater impacts identified during the SI/RAR in well cluster MWN-5 (located north of WT-8) are originating from the Steel Winds site or are the downgradient recipient of adjacent Solid Waste Management Units (SWMUs). In addition, this investigation will supplement existing groundwater flow direction information collected during the initial SI/RAR. This supplemental investigation and sampling program will consist of the following field activities pending concurrence by the Department.

A NYSDEC representative may accompany TurnKey field personnel to observe all sampling and well installation activities.

WT-1 Vicinity:

The western, southern and eastern off-site areas adjacent to the southern end of the BCP parcel is owned by Tecumseh Redevelopment, Inc. (Tecumseh) and is the focus of this portion of the proposed supplemental off-site investigation (see Figure 2). The groundwater monitoring wells on the BCP parcel in this area (MWN-01 and MWN-01B) both demonstrated impacts from volatile organic compounds (VOCs) (primarily BTEX constituents) and semi-VOCs (SVOCs) (primarily naphthalene). Soil/fill concentrations obtained from samples collected during the wind turbine WT-1 excavation (0 to 20 feet below ground surface, fbgs) and adjacent test pits (subsurface comp 1) demonstrated minor exceedances with the Part 375 Restricted Industrial Soil Cleanup Objectives (SCOs) for several polycyclic aromatic hydrocarbons (PAHs) and arsenic. There were no exceedances of VOCs and naphthalene exceeded the protection of groundwater SCO in the WT-1 soil/fill analyses collected during the WT-1 IRM investigation.

In order to characterize the extent of impacts to soil/fill and groundwater adjacent to the boundaries of the BCP parcel in the vicinity of wind turbine WT-1, we are proposing to advance seven soil borings from ground surface to approximately 30 feet below ground surface (fbgs) into the first water-bearing zone (anticipated to be the soil/fill unit). Subsurface soil/fill sampling will be conducted using a rear-mounted drill rig and continuous sampling to approximately 30 fbgs at the locations shown on the attached Figure 2. Separate composite samples will be collected from the unsaturated and saturated zones in each boring/well location and submitted for Target Compound List (TCL) VOCs plus Spill Technology and Remediation Series (STARS) and base-neutral SVOCs analysis (based on the constituents present in the MWN-01 well cluster groundwater samples).

Four borings will be completed with a 2-inch PVC stick-up monitoring well and three upgradient borings will be completed with a 4-inch PVC well (if future ORC treatments are implemented), screened from approximately 20 to 30 fbgs across the first water-bearing zone to monitor for off-site groundwater impacts observed in BCP wells MWN-01 and MWN-01B during the SI/RAR. Following well installation, the wells will be developed, groundwater elevations measured, and samples collected and analyzed for TCL VOCs and base-neutral SVOCs in accordance with the procedures presented in Section 4.0 of the SI/RAR/IRM Work Plan (September 2006).

WT-8 Vicinity:

Upgradient and downgradient groundwater is the focus of this portion of the proposed supplemental off-site investigation (see Figure 3). The BCP groundwater monitoring well MWN-05B, located off-site and to the north (on the Tecumseh parcel), demonstrated impacts from VOCs (primarily BTEX constituents) and SVOCs (primarily naphthalene). Soil/fill concentrations obtained from samples collected during the wind turbine WT-8 excavation (0 to 10 fbgs) and adjacent test pits (subsurface comp 5) demonstrated minor exceedances with the Part 375 Restricted Industrial SCOs for one PAH (benzo(a)pyrene). There were no exceedances of VOCs

and naphthalene exceeded the protection of groundwater SCO in the WT-8 soil/fill analyses collected during the WT-8 IRM investigation.

In order to characterize the extent of impacts to soil/fill and groundwater adjacent to the boundaries of the BCP parcel in the vicinity of wind turbine WT-8, we are proposing to advance two soil borings from ground surface to approximately 60 feet below ground surface (fbgs) into the first water-bearing zone (anticipated to be the soil/fill unit). Subsurface soil/fill sampling will be conducted using a rear-mounted drill rig and continuous sampling to approximately 60 fbgs at the locations shown on the attached Figure 3. Separate composite samples will be collected from the unsaturated and saturated zones in each boring/well location and submitted for TCL VOCs plus STARS and base-neutral SVOCs analysis (based on the constituents present in the MWN-05B groundwater samples).

Two borings will be completed with a 2-inch PVC stick-up monitoring well, screened from approximately 50 to 60 fbgs across the first water-bearing zone to monitor for upgradient and downgradient groundwater impacts observed in BCP wells MWN-05A and MWN-05B during the SI/RAR. Following well installation, the wells will be developed, groundwater elevations measured, and samples collected and analyzed for TCL VOCs and base-neutral SVOCs in accordance with the procedures presented in Section 4.0 of the SI/RAR/IRM Work Plan (September 2006).

Supplemental Water Level Measurements: In conjunction with water level measurements collected on the 9 proposed wells, a round of water level measurements will also be collected from a selected group of RFI monitoring wells representative of the soil/fill and sand units spatially located to the east of the BCP parcel and the BCP well clusters. From these measurements an isopotential map will be completed for the soil/fill and sand units to supplement and confirm initial groundwater flow direction(s) presented in the SI/RAR Report. Monitoring wells included in this supplemental round of water levels are presented in Figure 1 and include the following by subsurface screened interval:

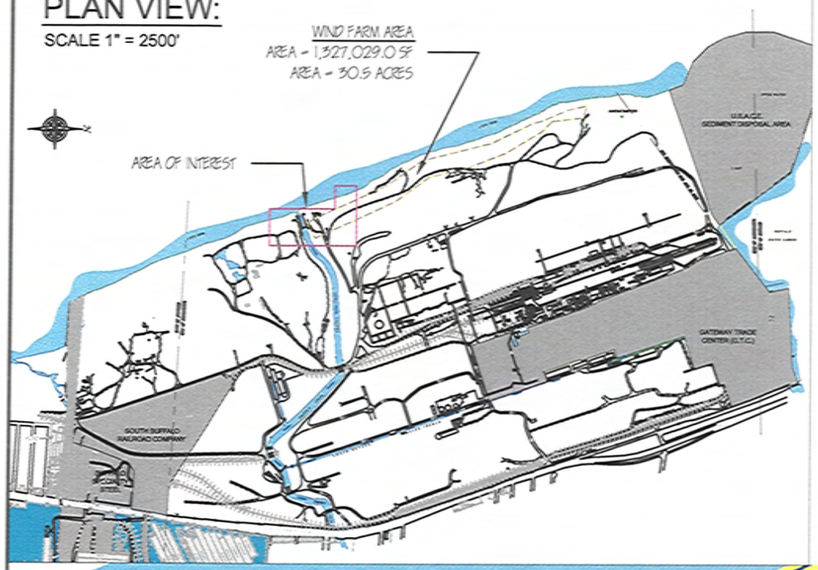
Soil/Fill Wells	Sand Wells
MWN-01	MWN-01B
MWN-02	MWN-02B
MWN-03	MWN-03B
MWN-04	MWN-05B
MWN-05A	MWN-13C
MWN-11	MWN-14B
MWN-13A	MWN-16B
MWN-14A	MWN-20B
MWN-16A	MWN-23B
MWN-20A	

As discussed, the results of these supplemental investigation activities will be incorporated into a revised SI/RAR/IRM Report to provide additional data and justification for the selected groundwater remedy in the vicinity of wind turbine WT-1 and to determine the source of groundwater impacts identified in the vicinity of wind turbine WT-8.

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds\Supplemental Soil-Fill & GW Investigation\Figure 2; WT-1 Vicinity Planned Investigation Locations.dwg

PLAN VIEW:

SCALE 1" = 2500'



LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 — STEEL WINDS MONITORING WELL LOCATION
- MWN-22B — EXISTING MONITORING WELL LOCATION
- SUPPLEMENTAL INVESTIGATION AREA
- WT1-01 (4-inch well) — PLANNED MONITORING WELL LOCATION AND DIAMETER (final locations to be field verified)

N

100' 0' 100' 200'

SCALE: 1 INCH = 100 FEET
SCALE IN FEET
(approximate)

LAKE ERIE

SMOKES CREEK

MWS-27A
P-25M
P-25D
P-25S

WT1-05 (2-inch well)

WT1-06 (2-inch well)

WT1-07 (2-inch well)

MWN-01

MWN-01B

WT1-04 (2-inch well)

MWS-01

MWS-01B

MW-2D4

SWMU S-03

SWMU S-04

WT #1
(66' diam. concrete base)

WT #2
(66' diam. concrete base)

WT1-01 (4-inch well)

WT1-02 (4-inch well)

WT1-03 (4-inch well)

MWN-22B

DATE: MAY 2007
DRAFTED BY: BCH

726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0071-003-100

WT-1 VICINITY PLANNED INVESTIGATION LOCATIONS

SUPPLEMENTAL SOIL/FILL & GROUNDWATER INVESTIGATION

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

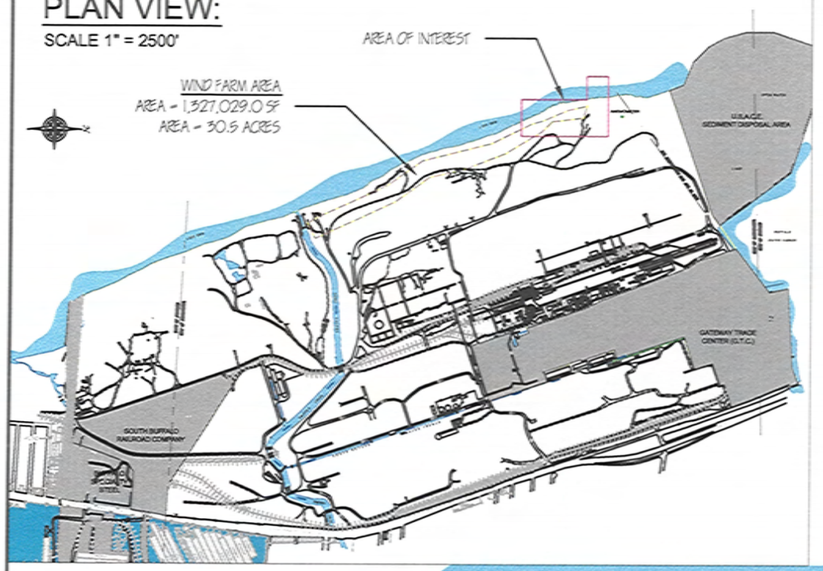
PREPARED FOR
BQ ENERGY, LLC

FIGURE 2

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds\Supplemental Soil-Fill & GW Investigation\Figure 3; WT-8 Vicinity Planned Investigation Locations.dwg

PLAN VIEW:

SCALE 1" = 2500'



LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 — STEEL WINDS MONITORING WELL LOCATION
- MWN-22B — EXISTING MONITORING WELL LOCATION
- SUPPLEMENTAL INVESTIGATION AREA
- WT8-01 (2-inch well) — PLANNED MONITORING WELL LOCATION AND DIAMETER (final locations to be field verified)

N

100' 0' 100' 200'

SCALE: 1 INCH = 100 FEET
SCALE IN FEET
(approximate)

LAKE ERIE

WT8-02 (2-inch well)

WT #8 (66' diam. concrete base)

MWN-05D MWN-05B MWN-05A

WT8-01 (2-inch well)

SWMU-18

P-31S
P-31D
P-31M

WT #7 (66' diam. concrete base)

MWN-04

SWMU-19

MW-1D7 P-7S P-7D

MW-1D1

MW-1D8

DATE: MAY 2007
DRAFTED BY: BCH

728 EXCHANGE STREET
SUITE 824
BUFFALO, NEW YORK 14210
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0071-003-100

WT-8 VICINITY PLANNED INVESTIGATION LOCATIONS

SUPPLEMENTAL SOIL/FILL & GROUNDWATER INVESTIGATION

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

PREPARED FOR
BQ ENERGY, LLC

FIGURE 3

APPENDIX E

TEST PIT EXCAVATION PHOTOGRAPHS AND LOGS & WELL SAMPLING LOGS

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
BQ Energy, LLC/ Tecumseh Redevelopment	Steel Winds- Lackawanna, NY	0071-003-100

Photo No.	Date
1	09/13/06

Direction Photo Taken:

Description:
Begin Excavation at WT-5



Photo No.	Date
2	09/14/06

Direction Photo Taken:

Description:
Southwest sidewall of WT-4 excavation. Verification sampling performed in this area.



Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
BQ Energy, LLC/ Tecumseh Redevelopment	Steel Winds- Lackawanna, NY	0071-003-100

Photo No.	Date
3	09/15/06

Direction Photo Taken:

Description:
WT-1 excavation



Photo No.	Date
4	09/16/06

Direction Photo Taken:

Description:
WT-3 excavation



Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
BQ Energy, LLC/ Tecumseh Redevelopment	Steel Winds- Lackawanna, NY	0071-003-100

Photo No.	Date
5	09/20/06

Direction Photo Taken:

Description:
WT-6 excavation



Photo No.	Date
6	09/28/06

Direction Photo Taken:

Description:
WT-8 excavation



Prepared By: RLD

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
BQ Energy, LLC/ Tecumseh Redevelopment	Steel Winds- Lackawanna, NY	0071-003-100

Photo No.	Date
7	10/02/06

Direction Photo Taken:

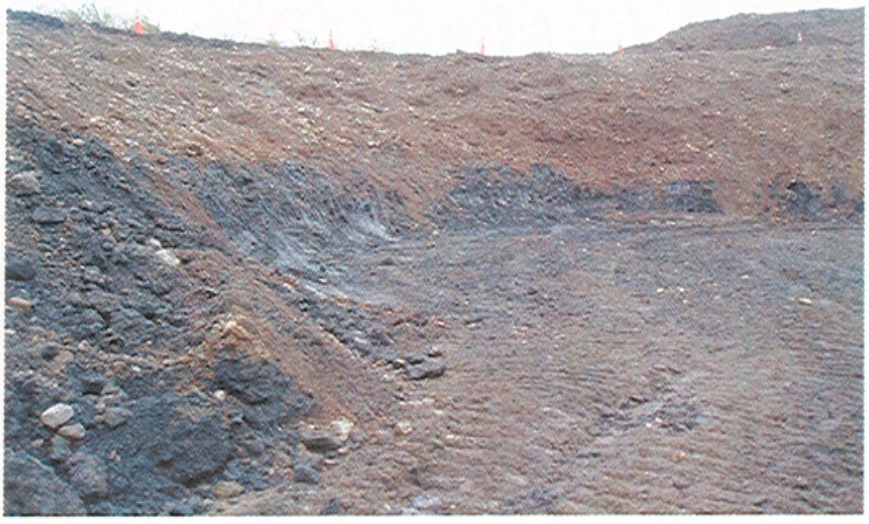
Description:
Excavation at WT-7



Photo No.	Date
8	10/17/06

Direction Photo Taken:

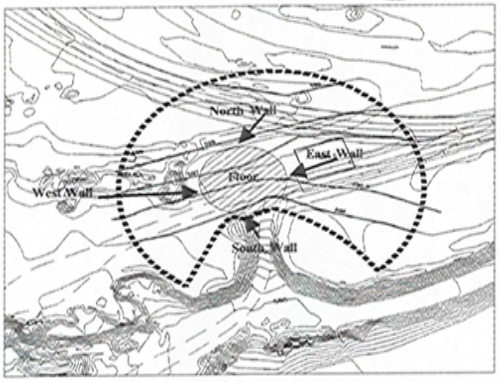
Description:
Excavation at WT-1



Prepared By: RLD

TEST PIT EXCAVATION LOG

Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-1 (0-10')
Project No.:	0071-003-100	Excavation Date:	09/18/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Diameter: (approx.)

Depth: (approx.)

Test Pit Cross Section:



Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-6'	**FILL/some slag, Dark Brown- Fine to Coarse Sand, Fine to Coarse Gravel, brick debris, C&D debris, loose, dry**		Y	Y

FIELD MEASUREMENTS:

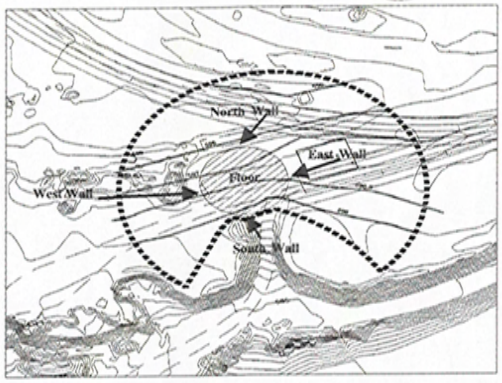
PID (ppm): 0.0

COMMENTS:

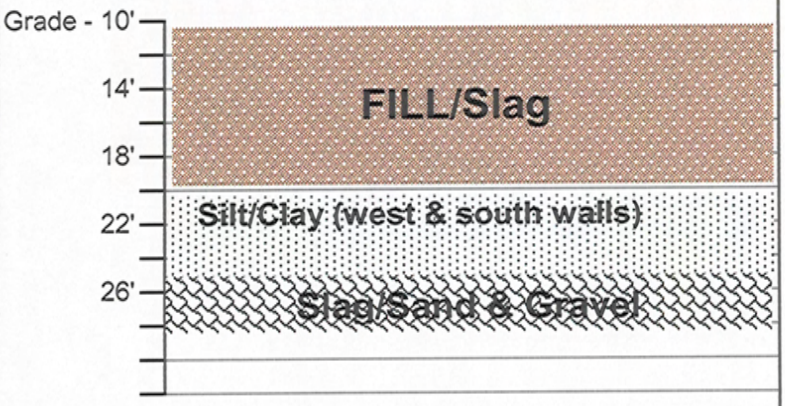
GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	none
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	Verification Samples from each sidewall and floor.

TEST PIT EXCAVATION LOG

Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-1 (10-24')
Project No.:	0071-003-100	Excavation Date:	10/18/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Test Pit Cross Section:



Diameter: (approx.)

Depth: (approx.)

Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
10-24'	**South and West Sidewalls: Black Organic silt/clay, soft, wet, slag observed at bottom of excavation. North and East Sidewalls: Brown sand & gravel with slag, some brick debris,**		Y	Y

FIELD MEASUREMENTS:

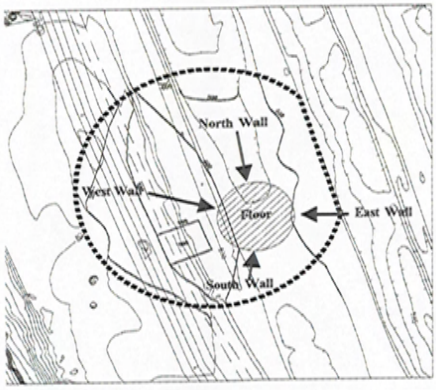
PID (ppm): 0.0

Samples collected from lower section of excavation (20-25 fbgs). South and west sidewalls contain black organic silt/ clay with napthalene order. North and east sidewalls contain slag/ sand & gravel.

GROUNDWATER ENCOUNTERED:	Perched groundwater at interface of slag & organic soils.
VISUAL IMPACTS:	black impacted clay/silt lense on south and west wall
OLFACTORY OBSERVATIONS:	Organic naphthalene in black clay/silt
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	Verification Samples from each sidewall and floor.

TEST PIT EXCAVATION LOG

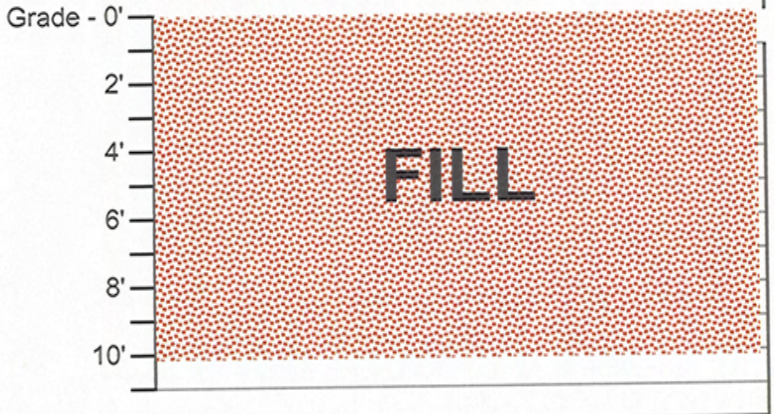
Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-2
Project No.:	0071-003-100	Excavation Date:	09/15/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Diameter: (approx.)

Depth: (approx.)

Test Pit Cross Section:



Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-6'	**FILL, Dark Brown- Fine to Coarse Sand, Fine to Coarse Gravel, brick debris, C&D debris, loose, dry**		Y	Y

FIELD MEASUREMENTS:

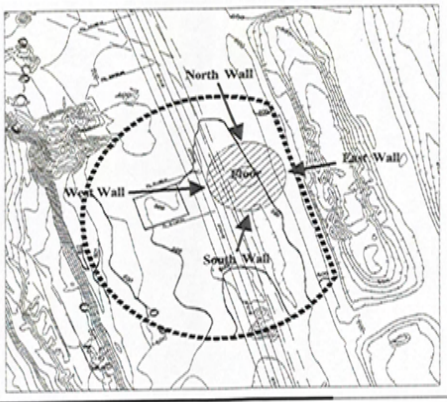
PID (ppm): 0.0

COMMENTS: MS/MSD collected from Northwall, Blind duplicate collected from floor

GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	none
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	Verification Samples from each sidewall and floor.

TEST PIT EXCAVATION LOG

Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-3
Project No.:	0071-003-100	Excavation Date:	09/15/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Diameter: (approx.)

Depth: (approx.)

Test Pit Cross Section:



Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-6'	**FILL, SLAG, Dark Brown- Fine to Coarse Sand, Fine to Coarse Gravel, some brick debris, loose, dry**		Y	Y

FIELD MEASUREMENTS:

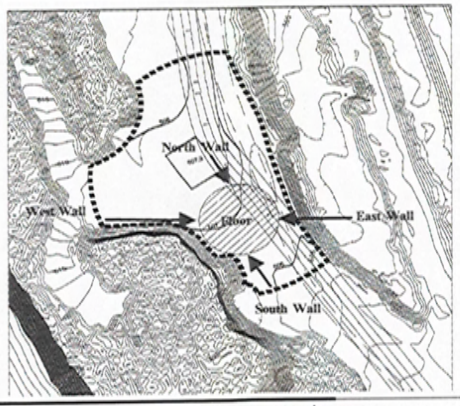
PID (ppm): 0.0

COMMENTS:

GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	none
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	Verification Samples from each sidewall and floor.

TEST PIT EXCAVATION LOG

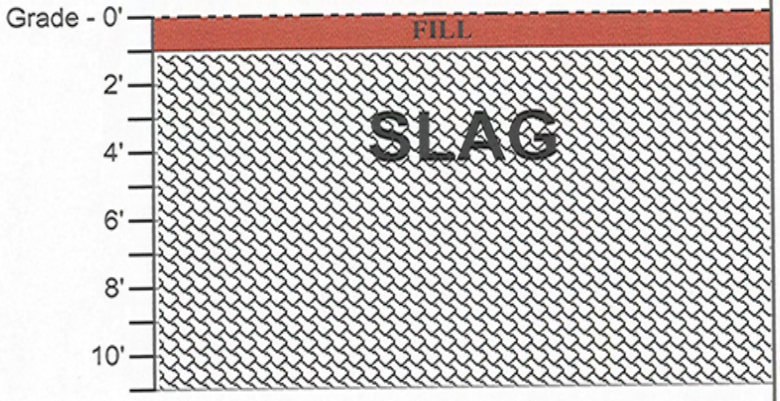
Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-4
Project No.:	0071-003-100	Excavation Date:	09/13/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Diameter: (approx.)

Depth: (approx.)

Test Pit Cross Section:



Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-1'	**Fine to coarse sand & gravel, with FILL debris, loose , dry**		Y	N
1-10'	**Grey/ white SLAG, well graded, loose, dry**		Y	Y

FIELD MEASUREMENTS:

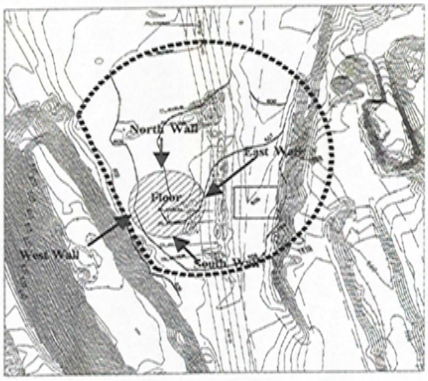
PID (ppm): 0.0

COMMENTS: A fine grain dark/grey fill lense was encountered along the northwest sidewall. Verifcation samples collected in this area only

GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	none
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	From South west sidewall

TEST PIT EXCAVATION LOG

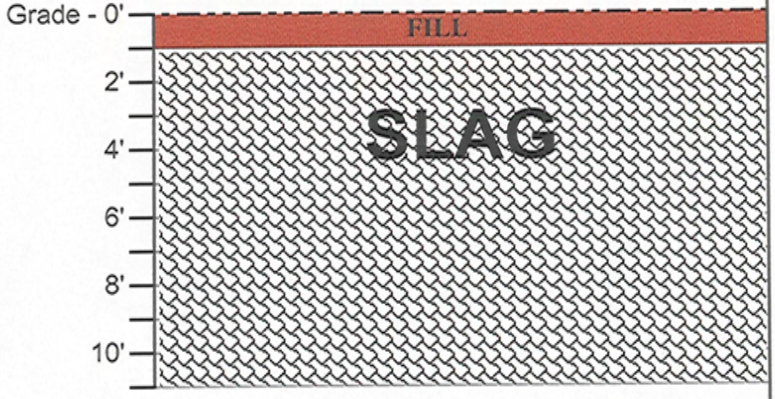
Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-5
Project No.:	0071-003-100	Excavation Date:	09/13/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Diameter: (approx.)

Depth: (approx.)

Test Pit Cross Section:



Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-1'	**Fine to coarse sand & gravel, with FILL debris, loose , dry**		Y	N
1-10'	**Grey/ white SLAG cobbles, loose, dry**		Y	N

FIELD MEASUREMENTS:

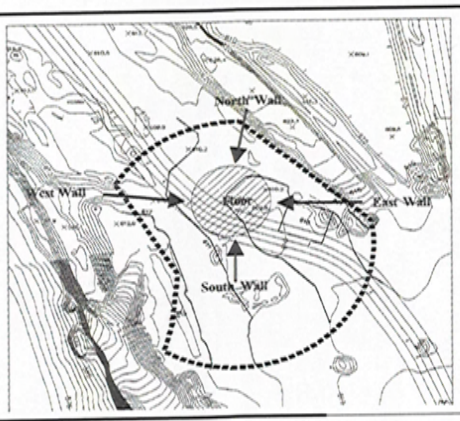
PID (ppm): 0.0

COMMENTS:

GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	none
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED: No	

TEST PIT EXCAVATION LOG

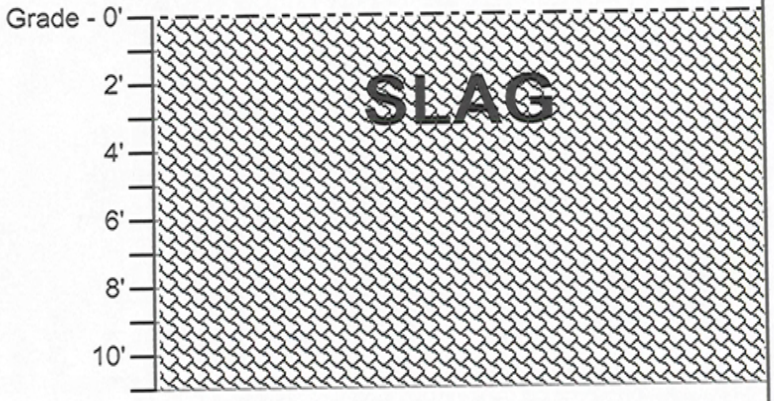
Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-6
Project No.:	0071-003-100	Excavation Date:	09/19/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Diameter: (approx.)

Depth: (approx.)

Test Pit Cross Section:



Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-10'	**Fine to coarse sand & gravel, with well graded slag, dry.**		Y	Y

FIELD MEASUREMENTS:

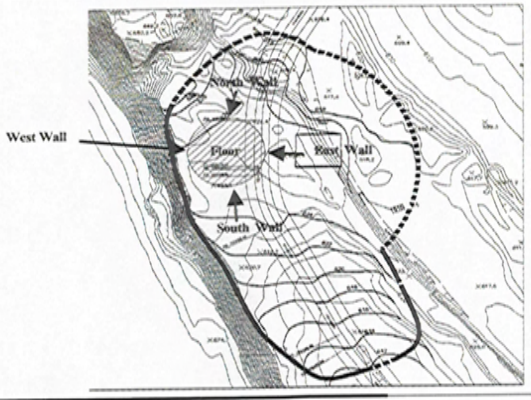
PID (ppm): 0.0

NYSDEC onsite personnel detected a slight naphthalene odor along the northeast side wall of the excavation. Therefore, a verification sample was collected from this area only.

GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	Slight napthalene odor
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	Northeast sidewall.

TEST PIT EXCAVATION LOG

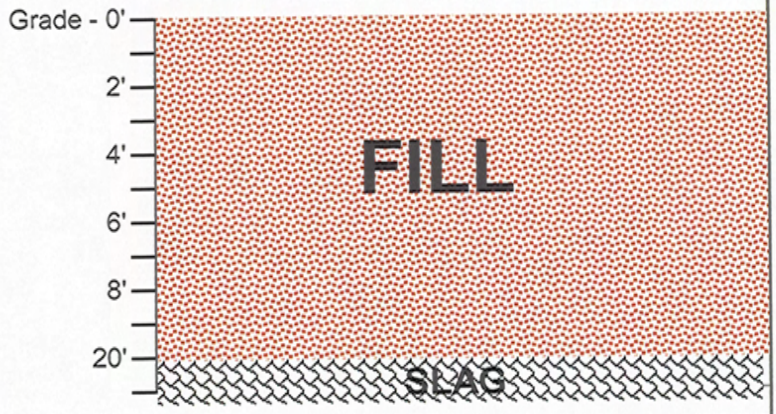
Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-7
Project No.:	0071-003-100	Excavation Date:	09/29/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Diameter: (approx.)

Depth: (approx.)

Test Pit Cross Section:



Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-20'	**FILL, black fine sand, gravel, construction debris, scrap steel/ cables, scrap tires, plastic debris, slag at bottom of excavation.**		Y	Y

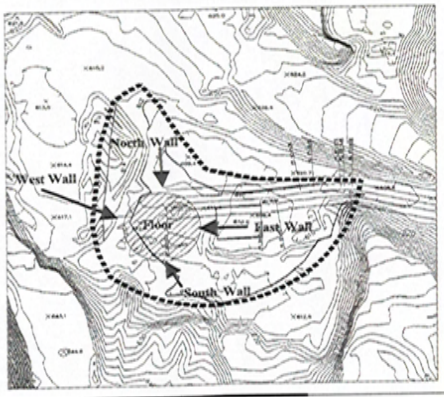
FIELD MEASUREMENTS:

PID (ppm): 0.0

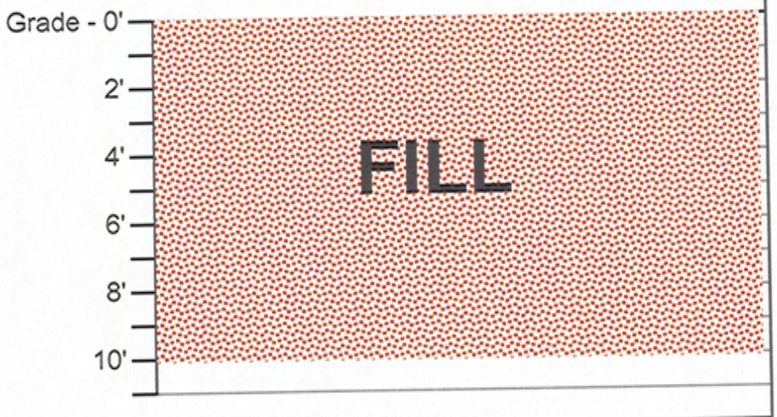
GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	Slight napthalene odor
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	Each sidewall and floor of excavation.

TEST PIT EXCAVATION LOG

Project:	Steel Winds Test Pit Investigation	TEST PIT I.D.:	WT-8
Project No.:	0071-003-100	Excavation Date:	09/19/06
Client:	BQ Energy, LLC/Tecumseh Redevelopment	Excavation Method:	Excavator
Location:	Lackawanna, NY	Logged / Checked By:	RLD



Test Pit Cross Section:



Diameter: (approx.)

Depth: (approx.)

Depth (fbgs)	USCS Soil Description	USCS Symbol	Photos Y / N	Samples Collected (fbgs)
0-11'	**FILL, black fine sand, gravel, construction debris, steel cables, scrap tires, some slag, loose dry.**		Y	Y

FIELD MEASUREMENTS:

PID (ppm): 0.0

GROUNDWATER ENCOUNTERED:	No
VISUAL IMPACTS:	none
OLFACTORY OBSERVATIONS:	Slight napthalene odor
NON-NATIVE FILL ENCOUNTERED:	yes
OTHER OBSERVATIONS:	
SAMPLES COLLECTED:	Each sidewall and floor of excavation.

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT1 - 01**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/21/07
Drilling Company:	Earth Dimensions	**End Date:**	06/08/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continuous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to mid 70's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0	S1	3 5 8 22	13	1.2	**0.0 - 0.1** Dark Brown, moist, **soil/fill**, silt with some sand and some coarse sand and fine gravel, with slag and cinders, loose. **0.1 - 1.1** Black, moist, **soil/fill**, silt fines with some sand, with cinders, loose. **1.1 - 1.2** Brown, grey, moist, **slag** with cinders	0.0	NA	no	Cement seal
-2	2	S2	10 20 13 23	33	1.0	**0.0 - 1.0** Black, moist, **soil/fill**, silt fines with some sand, with cinders and refractory brick, dense, loose when disturbed.	0.0	0.1	yes	Grout
-4	4	S3	4 7 13 43	20	1.2	**0.0 - 1.2** As above.	0.2	0.3	yes	4 inch Schedule forty PVC Riser
-6	6	S4	11 26 5 8	31	1.3	**0.0 -0.5** Dark brown, black, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed. **0.5 - 0.8** Orange brick. **0.8 - 1.3** White, moist, powdery, **slag**.	0.0	0.6	yes	
-8	8	S5	11 12 13 4	25	1.3	**0.0 - 1.3** Dark brown, black, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed.	0.1	1.7	yes	
-10	10	S6	3 10 17 10	27	0.6	**0.0 - 0.6** As above with yellow brick.	0.0	1.8	yes	
-12	12	S7	5 18 20 18	38	1.3	**0.0 - 1.3** Dark brown, black, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed.	0.1	2.0	yes	
-14	14	S8	6 7 16 12	23	0.7	**0.0 - 0.7** Dark brown, black, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed.	0.0	1.1	yes	
-16	16	S9	7 6 6 2	12	0.4	**0.0 - 0.7** As above with no slag.	0.1	0.5	yes	
-18	18	S10	2 4 5 3	9	0.4	**0.0 - 0.4** Black, moist **soil/fill**, silt fines with some sand, dense, loose when disturbed, with cinders and orange brick and rail road tie.	0.0	1.0	yes	
-20	20									

TurnKey Environmental Restoration, LLC | Benchmark Environmental Engineering & Science, PLLC

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT1 - 01

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-20	20	S11	13 7 14 12	21	0.5	**0.0 - 0.3** Dark brown, black, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed. **0.3 - 0.5** White, moist, powdery, slag.	0.0	1.1	yes	Medium Bentonite chips 4 inch Schedule forty PVC Riser
-22	22	S12	16 50/4		0.5	**0.0 - 0.5** Dark brown, black, moist, soil/fill, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed.	0.0	1.1	yes	
-24	24	S13	50/4		0.3	**0.0 - 0.3** Dark brown, black, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel,with pieces of slag, cinders and brick, dense loose when disturbed.	0.0	3.0	yes	
-26	26	S14				Due to severe rig chatter augured from 24.0 fbgs to 28.0 fbgs.				#OON Sand
-28	28	S15	50/4		0.2	**0.0 - 0.2** Grey, wet, **soil/fill**, fine gravel, with some coarse sand and slag, loose.	0.0	na	no	4 inch schedule forty PVC 0.010 slot
-30	30	S16	26 50/4		1.0	**0.0 - 1.0** Grey, wet, **soil/fill**, crushed slag, with some coarse sand	0.0	na	no	
-32	32	S17	50/4		1.1	**0.0 - 0.3** Grey, wet, **soil/fill**, slag with some fine and coarse sand. **0.3 - 1.1** Dark grey, wet, **silty fine sand,** with some coarse sand.	0.0	na	no	
-34	34	S18			0.0	No recovery.	na	na	na	
-36	36	S19			0.0	No recovery.	na	na	na	
-38	38	S20				EOB @ 38.0 fbgs				
-40	40									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT1 - 02**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/23/07
Drilling Company:	Earth Dimensions	**End Date:**	06/11/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continuous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to mid 70's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0					Augured through to 0.0 - 2.0.	na	na	na	Cement seal / Grout / 4 inch Schedule forty PVC Riser
-2	2	S1	11 17 13 14	30	1.3	**0.0 - 1.3** Dark brown, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel, and little coarse gravel, dense, loose when disturbed, with yellow and orange brick fragments and cinders.	0.0	0.8	yes	
-4	4	S2	12 13 12 8	25	0.7	**0.0 - 0.7** Dark brown, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel, and little coarse gravel, dense, loose when disturbed, with yellow and orange brick fragments and cinders.	0.0	1.0	yes	
-6	6	S3	9 5 6 4	11	0.3	No Recovery.	NA	NA	NA	
-8	8	S4	1 3 8 7	11	0.4	**0.0 - 0.4** Dark brown, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel, and little coarse gravel, loose when disturbed, with yellow and orange brick fragments and cinders.	0.0	0.8	yes	
-10	10	S5	10 3 4 5	7	1.2	**0.0 - 0.7** Dark brown, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel, and little coarse gravel, loose when disturbed, with yellow and orange brick fragments and cinders. **0.7 - 1.2** Grey, wet, **reworked silty clay** with few sand, with trace coarse sand, medium soft, with pieces of slag and cinders.	0.2 0.3	1.1	yes	
-12	12	S6	15 28 50/2		0.6	**0.0 - 0.3** grey **slag** with yellow brick. **0.3 - 0.6** Dark Brown with orange, moist, **soil/fill**, silt fines with some sand.	0.0	2.0	yes	
-14	14	S7	16 2 4 25	6	1.0	**0.0 - 1.0** Dark Brown with orange, moist, **soil/fill**, silt fines with some sand.	0.1	7.5	yes	
-16	16	S8	37 5 6 3	11	0.8	**0.0 - 0.8** Black, moist, **coal/coke fines**, with some sand, loose.	0.0	1.3	yes	
-18	18	S9	6 50/3		0.6	**0.0 - 0.6** Black, moist, **coal/coke fines**, with some sand, loose, with yellow brick and purple slag.	0.0	1.9	yes	
-20	20									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT1 - 02

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-20	20	S10	13 39 37 50	76	1.3	**0.0 - 0.6** Black, moist, **coal/coke fines**, with some sand, dense, loose when disturbed.	0.0	0.7	yes	Medium Bentonite chips
-22	22	S11	50/4		0.4	**0.0 - 0.6** Black, moist, **coal/coke fines**, with some sand, dense, loose when disturbed.	0.0	2.0	yes	4 inch schedule forty PVC riser
-24	24	S12	50/4		0.0	No Recovery.	na	na	na	
-26	26	S13	22 50/3		0.6	**0.0 - 0.6** Black and reddish brown, wet, **soil/fill**, silt fines with some sand and slag pieces.	0.2	no	no	
-28	28	S14	50/4		0.4	**0.0 - 0.4** Black and reddish brown, wet, **soil/fill**, silt fines with some sand and slag pieces.		no	no	
-30	30	S15								#OON Sand
-31	31	S16				Due to heavy rig chatter augured through to 33.0 fbgs.				4 inch schedule forty PVC 0.010 slot screen
-33	33	S17	50/4			No Recovery, sluff in spoon is very sandy also sand running into augers.	na	na	na	#OON Sand
-35	35	S18				Augured through to 36.0 fbgs and set well.				
-36	36	S19				EOB @ 36.0 fbgs.				
-38	38									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steelwinds Offsite investigation	**LOCATION I.D.:**	WT1 - 03
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/23/07
Drilling Company:	Earth Dimensions	**End Date:**	06/11/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to mid 70's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0					Augered through to 0.0 - 2.0.	na	na	na	Cement seal
-2	2	S1	5 9 11 14	20	1.1	0.0 - 1.1 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, dense, loose when distrubed, with yellow and orange brick fragments, with slag pieces and cinders.	0.0	0.6	yes	Grout
-4	4	S2	9 5 3 3	8	0.2	0.0 - 0.2 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, loose when distrubed, with yellow and orange brick fragments, with slag pieces and cinders.	0.0	0.3	yes	
-6	6	S3	4 7 10 14	17	1.1	0.0 - 1.1 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, loose when distrubed, with yellow and orange brick fragments, with slag pieces and cinders.	0.0	0.9	yes	
-8	8	S4	6 6 14 23	20	1.1	0.0 - 1.1 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, loose when distrubed, with yellow and orange brick fragments, with slag pieces and cinders.	0.0	0.5	yes	
-10	10	S5	19 19 8 8	27	0.9	0.0 - 0.9 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, loose when distrubed, with yellow and orange brick fragments, with white and yellow slag pieces and cinders.	0.2	0.4	yes	
-12	12	S6	4 6 15 2	21	1.0	0.0 - 1.0 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, loose when distrubed, with no large pieces of brick or slag.	0.0	1.7	yes	
-14	14	S7	14 25 14 13	39	1.4	0.0 - 0.9 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, loose when distrubed, with yellow and orange brick fragments, with blue slag pieces and cinders.	0.1	1.6	yes	
-16	16	S8	22 50/3		0.7	0.0 - 0.7 Dark brown, moist, soil/fill, silt fines with some coarse and fine sands and fine gravel, loose when distrubed, with yellow and orange brick fragments, with blue slag pieces and cinders.	0.0	1.5	yes	4 inch Schdeule forty PVC Riser
-18	18	S9	40 50/3		1.0	0.0 - 1.0 Black and dark brown, moist, soil/fill,silt fines with some coarse and fine sands, with some fine gravel, dense, loose when disturbed, with orange brick, cinders and pieces of slag.	0.0	0.6	yes	
-20	20									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steelwinds Offsite investigation
Project Number: 0083 - 006 - 100
LOCATION I.D.: WT1 - 03
Well Type: ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-20	20	S10	50/4		0.0	No recovery.	na	na	na	Medium Bentonite chips
-22	22	S11	50/4		0.0	No recovery.	na	na	na	#0ON Sand
-24	24	S12	50/4		0.3	**0.0 - 0.3** Black, wet, **soil/fill**, silt fines with some fine and coarse sand and little fine gravel.	0.2	no	no	
-26	26	S13	18 50/3		0.4	**0.0 - 0.3** Black, wet, **silty sand**, with some medium and coarse sand and little fine gravel.	0.1	no	no	
-28	28	S14	50/4		1.1	**0.0 - 1.1** Black, wet, **silty sand**, with some medium and coarse sands, with little fine gravel (rounded), with some organic material.	0.6	no	no	
-30	30	S15				Due to running sands in augers had drillers advance to 34.0 fbgs.				4 inch schdeule forty PVC 0.010 slot screen
-32	32	S16				EOB @ 34.0 fbgs				
-34	34	S17								
-36	36	S18								
-38	38	S19								
-40	40									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT1 - 04**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/21/07
Drilling Company:	Earth Dimensions	**End Date:**	05/21/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continuous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to mid 70's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0	S1	38 29 43 64	72	1.7	**0.0 - 1.7** Dark Brown, moist, **soil/fill**, Silt fines with some fine and coarse sands and some fine gravel, with slag cinders and yellow brick fragments, dense, loose when disturbed.	0.0	NA	no	Cement seal
-2	2	S2	50/4		0.5	**0.0 - 0.5** Dark Brown, moist, **soil/fill**, Silt fines with some fine and coarse sands and some fine gravel, with slag cinders and brick fragments, dense, loose when disturbed.	0.0	1.1	yes	Grout
-4	4	S3			0.0	No recovery.				
-6	6	S4	50/3		0.3	**0.0 - 0.3** Dark Brown, moist, **soil/fill**, Silt fines with some fine and coarse sands and some fine gravel, with slag cinders and brick fragments, dense, loose when disturbed.	0.0	0.6	yes	
-8	8	S5	38 50/3		0.8	**0.0 - 0.8** Dark Brown, moist, **soil/fill**, Silt fines with some fine and coarse sands and some fine gravel, with purple slag cinders and refractory brick fragments, dense, loose when disturbed.	0.1	0.8	yes	Medium Chips
-10	10	S6	38 50/3		0.9	**0.0 - 0.9** Dark brown and black, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel, dense loose when disturbed.	0.1	1.8	yes	2 inch Schedule forty PVC Riser
-12	12	S7	50/4		0.5	**0.0 - 0.5** Dark brown, wet, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed.	0.1	no	no	
-14	14	S8	50/4		0.7	**0.0 - 0.5** Dark brown, wet, moist, **soil/fill**, silt fines with some sand and some coarse sand, with some fine gravel, with pieces of slag, cinders and brick, dense loose when disturbed.	0.0	no	no	#OON Sand
-16	16	S9	40 31 33 36	64	1.5	**0.0 -1.5** Dark grey and black, wet, poorly graded **medium and coarse sands** with some fine sand and little fine gravel, dense, loose when disturbed, rapid dilatancy, slight organic odor.	0.8	no	no	
-18	18	S10	50/5		0.6	**0.0 - 0.1** Dark grey, wet, **silt with fine sand**, rapid dilatancy. **0.1 - 0.6** Dark grey and black, wet, poorly graded **medium and coarse sands** with some fine sand and little fine gravel, dense, loose when disturbed, rapid dilatancy, slight organic odor.	1.6	no	no	
-20	20									

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FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT1 - 04

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-20	20	S11	50/4		0.5	**0.1 - 0.5** Dark grey and black, wet, poorly graded **medium and coarse sands** with some fine sand and little fine gravel, dense, loose when disturbed, rapid dilatancy, slight organic odor.	0.4	no	no	#0ON Sand; 2 inch schedule forty PVC 0.010 slot screen
-22	22	S12	50/4		0.7	**0.1 - 0.7** Dark grey and black, wet, poorly graded **medium and coarse sands** with some fine sand and little fine gravel, dense, loose when disturbed, rapid dilatancy, slight organic odor.	1.8	no	no	
-24	24	S13				EOB 24.0 fbgs.				
-26	26	S14								
-28	28	S15								
-30	30	S16								
-32	32	S17								
-34	34	S18								
-36	36	S19								
-38	38	S20								
-40	40									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT1 - 05**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/29/07
Drilling Company:	Earth Dimensions	**End Date:**	05/29/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continuous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to mid 60's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0					Augured through to 0.0 - 2.0.	na	na	na	Cement seal
-2	2	S1	34 25 21 10	46	1.3	0.0 - 0.2 Dark grey, moist, silty sand, with coarse sand and dine gravel, dense, loose when disturbed. 0.2 - 0.5 Light grey slag. 0.5 - 1.3 Reddish brown, wet, soil/fill, silt fines with some fine and coarse sands with some fine gravel and little coarse gravel, medium dense sand with rapid dilatency.	0.3	1.0	yes	Medium bentonite chips
-4	4	S2	11 20 19 10	39	1.5	0.0 - 0.4 Black, wet, soil/fill, silt fines with some sand, rapid dilatency, dense, loose when disturbed, greasy feeling with some wood chips. 0.4 - 1.5 Grey and Brown, wet to moist, soil/fill, with slag broken into coarse gravel.	2.0 0.1	2.0	yes	2 inch schedule 40 pvc riser
-6	6	S3	20 40 15 11	55	1.0	0.0 - 0.5 Black, wet, soil/fill, silt fines with some sand, rapid dilatency, dense, loose when disturbed, greasy feeling with some wood chips. 0.5 - 1.0 Grey and Brown, wet to moist, soil/fill, with slag broken into coarse gravel.	1.0 0.1	1.2	yes	
-8	8	S4	23 19 22 19	41	1.4	0.0 - 1.4 Blue grey slag, very slight petroleum odor.	0.8	0.9	yes	
-10	10	S5	34 50/3		0.7	0.0 - 0.2 Blue grey slag. 0.2 - 0.7 Blackish grey, wet, silty sand, with some coarse and medium sands and fine gravel, with yellow red and white rounded fine gravels.	0.1 0.5	na	no	# oon sand
-12	12	S6	50/4		0.5	0.0 - 0.5 Blackish grey, wet, silty sand, with some coarse and medium sands and fine gravel, with yellow red and white rounded fine gravels.	0.2	na	no	2" schedule 40 pvc 0.010 slot screen
-14	14	S7	50/4		0.3	0.0 - 0.3 Dark grey, wet, silty sand, with some medium and coarse sands, and little fine gravel with yellow, white and orange rounded gravels, with some slag pieces.	0.7	na	no	
-16	16	S8	42 23 16 14	39	1.3	0.0 - 0.6 Dark grey, wet, silty sand, with some medium and coarse sands, and little fine gravel with yellow, white and orange rounded gravels, with some slag pieces. 0.6 - 1.3 Black, wet, slag, with some silt and fine sand.	0.7 1.7	na	no	
-18	18	S9	32 50/4		0.5	0.0 - 0.6 Dark grey, wet, silty sand, with some medium and coarse sands, and little fine gravel with yellow, white and orange rounded gravels, with some slag pieces and some grass. EOB @ 20.0 fbgs	0.5	na	no	
-20	20									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT1 - 06**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/29/07
Drilling Company:	Earth Dimensions	**End Date:**	05/30/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continuous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to mid 60's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0					Augured through to 0.0 - 2.0.	no	no	no	Cement seal; Medium bentonite chips; 2 inch schedule 40 pvc riser
-2	2	S1	30 24 25 50	49	1.5	**0.0 - 1.5** Dark brown to black, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel and slag pieces and cinders, dense, loose when disturbed.	0.0	1.0	yes	
-4	4	S2	20 11 15 27	26	1.3	**0.0 - 1.3** Dark brown to black, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel and slag pieces and cinders and orange brick, dense, loose when disturbed.	0.1	1.6	yes	
-6	6	S3	36 24 7 4	31	1.0	**0.0 - 0.3** Dark brown to black, moist, **soil/fill**, silt fines with some fine and coarse sands with some fine gravel and slag pieces and cinders and orange brick, dense, loose when disturbed. **0.3 - 0.7 Concrete** **0.7 - 0.9** Blueish grey **slag**, slight musty odor. **0.9 - 1.0** Reddish brown **brick**	0.0 0.0 1.9 0.0	1.3	yes	
-8	8	S4	25 12 8 13	20	0.7	**0.0 - 0.3** Black, dark brown, moist, **soil/fill**, silt fines with some fine and coarse sands and fine gravel, loose when disturbed, with some rootlets and yellow brick. **0.3 - 0.7** yellow **brick**, very slight musty odor.	0.0	8.0	yes	
-10	10	S5	50/4		0.0	No recovery.	na	na	na	
-12	12	S6	3 15 30 12		0.6	**0.0 - 0.6** Black, moist, **soil/fill**, silt fines with some fine and coarse sands and fine gravel, with yellow brick	0.0	0.6	yes	
-14	14	S7	27 50/3		0.6	**0.0 - 0.3 yellow brick.** **0.3 - 0.6** Blueish grey, moist, gravelly **slag**, with some dark brown fines.	0.0	1.1	yes	
-16	16	S8	50/4		0.4	**0.0 - 0.4** Blueish grey, moist, gravelly **slag**, with some dark brown fines, musty odor.	0.2	2.1	yes	
-18	18	S9	49 50/3		0.7	**0.0 - 0.7** Black, wet, **soil/fill**, silt fines with some fine and coarse sand and fine gravel, with pieces of slag.	0.0	1.0	yes	
-20	20									

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FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT1 - 06

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-20	20	S10	50/4		0.4	**0.0 - 0.2** Dark grey, wet, **silty sand**, with some medium and coarse sands, little fine gravel, loose, rapid dilatency. **0.2 - 0.4** Black, wet, **silty sand**, with some medium and coarse sands and fine gravel, loose, rapid dilatency.	0.0	NA	no	#OON SAND 2 inch schedule 40 PVC 0.010 slot screen
-22	22	S11	22 27 25 24		1.5	**0.0 - 0.3** Dark grey, wet, **silty sand**, rapid dilatency. **0.3 - 1.5** Dark grey to black, wet, **silty sand**, with some medium and coarse sand and fine gravel, with small sticks and slag pieces.	0.5 0.7	NA	no	
-24	24	S12	20 24 38 24		1.4	**0.3 - 1.5** Dark grey to black, wet, **silty sand**, with some medium and coarse sand and fine gravel, with small sticks and slag pieces, dense, loose when disturbed.	0.7	NA	no	
-26	26	S13				Had driller auger to 30.0 fbgs, to try and stop sand running into augers.				
-28	28	S14				EOB @ 30.0 fbgs.				
-30	30	S15								
-32	32	S16								
-34	34	S17								
-36	36	S18								
-38	38	S19								
-40	40									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT1 - 07**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/29/07
Drilling Company:	Earth Dimensions	**End Date:**	05/30/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continuous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to upper 60's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some). Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive). Consistency/Density (Standard Penetration Test, SPT). Weathering/Fracturing. Odor. Fill Materials (if present). Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0					Augured through to 0.0 - 2.0.	na	na	na	Cement seal
-2	2	S1	11 12 2 38	14	1.2	**0.0 - 1.2** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick, with some coal and coke pieces.	0.0	0.3	yes	Grout
-4	4	S2	29 15 13 12	28	0.5	**0.0 - 0.5** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick, with some coal and coke pieces.	0.0	0.6	yes	
-6	6	S3	8 11 20 50	31	1.2	**0.0 - 1.2** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick, with some coal and coke pieces.	0.1	0.9	yes	
-8	8	S4	26 12 6 8	18	1.3	**0.0 - 1.3** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick, with some coal and coke pieces.	1.3	9.2	yes	
-10	10	S5	2 9 6 8	15	1.0	**0.0 - 1.0** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick, with some coal and coke pieces.	0.1	3.2	yes	
-12	12	S6	8 46 50/2		1.2	**0.0 - 1.2** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick, with some coal and coke pieces.	0.3	0.7	yes	
-14	14	S7	34 17 19 12	36	0.8	**0.0 - 0.1** white **slag**. **0.0 - 1.2** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick.	0.9	1.6	yes	
-16	16	S8	8 29 31 41	60	0.2	**0.0 - 0.2** Yellow **brick.**	0.0	0.4	yes	Medium bentonite chips
-18	18	S9	50/4		0.8	**0.0 - 0.6** Dark brown black, moist, **soil/fill**, silt fines with some coarse and fine sand with some fine gravel, with pieces of slag and orange brick. **0.6 - 0.8** White **slag**.	0.1	1.4	yes	2 inch schedule 40 pvc riser
-20	20									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT1 - 07

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-20	20	S10	20 21 34 16	55	1.2	**0.0 - 0.4** Dark brown, black, moist, **soil/fill**, silt fines with fine and coarse sand, with some fine gravel. **0.4 - 0.8** Blue **slag**. **0.8 - 1.2** Yellow **brick**.	0.0	1.6	yes	#OON SAND
-22	22	S11	11 28 50/2		0.5	**0.0 - 0.5** blue, wet, **slag**.	0.4	no	no	
-24	24	S12	31 43 50/2		0.9	**0.0 - 0.9** Blue/grey, wet, **slag**, with some brown silt fines.	0.0	no	no	2 inch schedule 40 PVC 0.010 slot screen
-26	26	S13	50/4		0.4	**0.0 - 0.4** Dark grey, wet, **silty sand**, with some coarse and medium sands, with smaller rounded fine gravels (yellow, white, and orange colors), rapid dilatency, loose when disturbed.	0.0	no	no	
-28	28	S14	50/4		0.6	**0.0 - 0.4** Dark grey, wet, **silty sand**, with some coarse and medium sands, with smaller rounded fine gravels (yellow, white, and orange colors), rapid dilatency, loose when disturbed.	0.4	no	no	
-30	30	S15	50/4		0.2	**0.0 - 0.2** Dark grey, wet, **silty sand**, with little coarse sand and fine gravel.	0.1	no	no	
-32	32	S16				EOB at 32.5 fbgs.				
-34	34	S17								
-36	36	S18								
-38	38	S19								
-40	40									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT8 - 01**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BQ Energy	**Start Date:**	05/31/07
Drilling Company:	Earth Dimensions	**End Date:**	06/04/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Continuous split spoon
Rig Type:	Dietrich 120	**Weather:**	Low to mid 70's wind Sw 0 - 5mph

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
0	0					Augured through to 0.0 - 2.0.	NA	NA	NA	Cement seal
-2	2	S1	19 19 16 50	35	0.9	**0.0 - 0.9** Dark brown to black, moist, **soil/fill**, silt fines with some fine and coarse sand, with little fine gravel with pieces of slag and brick.	0.1	0.5	yes	Grout
-4	4	S2	34 50/3		0.8	**0.0 - 0.8** Dark brown to black, moist, **soil/fill**, silt fines with some fine and coarse sand, with little fine gravel with pieces of slag and brick.	0.0	0.1	yes	
-6	6	S3	50/4		0.5	**0.0 - 0.5** light grey, moist, **slag**.	0.0	0.3	yes	
-8	8	S4	50/4		1.3	**0.0 - 0.5** light grey, moist, **slag**.	0.0	0.2	yes	
-10	10	S5	50/4		0.0	Grey slag in shoe.	na	na	na	
-12	12	S6	50/4		0.0	As above.	na	na	na	4 inch Schedule forty PVC Riser
-14	14	S7	50/4		0.0	As above.	na	na	na	
-16	16					Augured through to 20.0 fbgs, due to heavy rig chatter.				
-20	20	S8	20 20 50/2		0.6	**0.0 - 0.6** Light grey, moist, **slag**.	0.0	0.4	yes	
-22	22									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT8 - 01

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-22	22	S9	50/4			No recovery.	na	na	na	Grout
-24	24	S10	18 13 13 50		1.1	0.0 - 0.3 light grey, moist, slag. 0.3 - 0.8 Dark grey slag. 0.8 - 1.1 light grey, moist, slag.	0.0	0.2	yes	4 inch Schedule forty PVC Riser
-26	26	S11	50/4		0.0	No recovery.	na	na	na	
-30	30	S12	50/4		0.2	0.0 - 0.1 light grey, moist, slag. 0.1 - 0.2 Dark grey, black slag.	0.0	0.0	yes	Medium Bentonite chips
-32	32	S13	50/4		0.1	0.0 - 0.1 grey, slag.	0.0	0.2	yes	
-34	34	S14	50/4			No recovery.	na	na	na	
-36	36					Augured through to 40.0 fbgs due to heavy rig chatter.				#OON Sand
-40	40	S15	27 50/3		1.1	0.0 - 1.0 Black then turns olive green, wet, silty sand with some medium sands with little coarse sand, organic odor.	0.4	3.2	no	2 inch schedule forty PVC 0.010 slot
-42	42	S16	12 50/4			0.0 - 1.1 Black, wet, silty sand with some medium sands with little coarse sand, slight sheen with organic odor.	0.6	2.1	no	
-44	44	S17	50/4		0.5	0.0 - 0.5 Black, wet, silty sand with some medium sands with little coarse sand, organic odor.	0.5	2.2	no	
-46	46									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT8 - 01

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-46	46	S18	50/4		0.5	**0.0 - 0.5** Black, wet, **silty sand** with some medium sands with little coarse sand, rapid dilatency, loose, organic odor.	0.1	2.3	no	
-48	48	S19				EOB @ 48.0 fbgs				
-50	50	S20								
-52	52	S21								
-54	54	S22								
-56	56	S23								
-58	58	S24								
-60	60	S25								
-62	62	S26								
-64	64	S27								
-66	66									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name:	Steel winds Offsite investigation	**LOCATION I.D.:**	**WT8 - 02**
Project Number:	0083 - 006 - 100	**Well Type:**	☑ Stick-up ☐ Flush-mount
Client:	BE Energy	**Start Date:**	06/04/07
Drilling Company:	Earth Dimensions	**End Date:**	06/07/07
Driller:	Andy	**Logged By:**	TAB
Helper:	Steve	**Drilling Method:**	Standard & Continuous split spoo
Rig Type:	Dietrich 120	**Weather:**	Low to mid 70's wind Saw 0 - 5mph

Elevation (fusel)	Depth (figs)	Sample No.	Blows (per 6")	SPIT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USES Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varied, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lenses, massive), Consistency/Density (Standard Penetration Test, SPIT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PAD Scan (pap)	PAD HASP (pap)	Samples (y/n)	Well Construction Details
0	0					Augered through to 0.0 - 2.0.	NA	NA	NA	Cement seal / Cuttings / Grout / 2 inch Schedule forty PVC Riser
-4	4	S1	16 14 22 19	36	1.2	**0.0-1.2** Dark brown black, moist, **soil/fill**, silt fines with some fine and coarse sands and fine gravel, with slag pieces, dense, loose when disturbed.	0.0	0.9	yes	
-6	6					Augered through to 9.0 fbgs.				
-9	9	S2	40 26 24 24	50	1.0	**0.0 - 0.7** Dark brown black, moist, **soil/fill**, silt fines with some fine and coarse sands and fine gravel, with slag pieces, dense, loose when disturbed.	0.1	0.0	yes	
-11	11					Augered through to 11.0 fbgs.				
-14	14	S3	41 50/3		1.0	**0.0 - 1.0** Dark brown black, moist, **soil/fill**, silt fines with some fine and coarse sands and fine gravel, with slag pieces, dense, loose when disturbed.	0.0	0.0	yes	
-16	16					Augered through to 19.0 fbgs.				
-19	19	S4	50/4		0.0	No recovery.	na	na	na	
-21	21					Augered through to 24.0 fbgs				
-24	24	S5	50/4		0.1	**0.0 - 0.1** light grey **slag**.	0.0	na	no	
-26	26									

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FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT8 - 02

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-29	29	S6	22 17 20 15	37	0.0	No recovery.	na	na	na	Grout
-31	31					Augered through to 34.0 fbgs				
-34	34	S7	12 20 10 13	30	0.0	No recovery.	na	na	na	
-36	36					Augered through to 39.0 fbgs				
-39	39	S8	20 23 25 27	48	0.2	**0.0 - 0.2** yellow **brick** with dark brown silt fines.	0.0	0.0	yes	
-41	41					Augered through to 44.0 fbgs				
-44	44	S9	20 23 25 27	48	1.2	**0.0 - 1.2** Dark brown, blue, moist, **soil/fill**, silt fines with fine and coarse sand and fine gravel, with slag and yellow and orange brick, d	0.0	0.0	yes	
-46	46					Augered through to 49.0 fbgs				
-49	49	S10	14 14 18 15	32	0.5	**0.0 - 0.5** Dark grey, moist, **slag**.	0.0	0.3	yes	
-51	51					Augered through to 52.0 fbgs.				2 inch Schedule forty PVC Riser
-52	52									

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT8 - 02

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 10-15% Little, 15-30% Few, 35-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-52	52	S11	12 37 50/2		0.2	**0.0 - 0.2** Black, moist, **slag**.	0.2	0.0	yes	
-54	54	S12	17 38 28 20	66	0.6	**0.0 - 0.6** Yellow **Brick**.	0.0	0.0	yes	
-56	56	S13	11 14 16 17	30	0.9	**0.0 - 0.9** Dark brown/reddish brown to black, moist, **soil/fill**, silt fines with some fine and coarse grain sand, and fine gravel, dense, loose when disturbed.	0.0	0.1	yes	
-58	58	S14	9 16 25 24	41	0.6	**0.0 - 0.6** Reddish brown, moist, **soil/fill**, silt fines with some fine and coarse grain sands and fine gravel with slag and cinders	0.0	0.0	yes	
-60	60	S15	17 17 27 30	44	0.9	**0.0 - 0.4 Roofing shingles.** **0.4 -0.7** Yellow **Brick.** **0.7 - 0.9** Grey **slag**.	0.0	0.0	yes	Medium Bentonite chips
-62	62	S16	8 12 9 15	21	1.2	**0.0 - 1.2** Black, moist, **soil/fill**, silt fines with some fine and coarse said with fine gravel with cinders and slag pieces.	0.0	0.0	yes	
-64	64	S17	50/4		0.3	**0.0 - 0.3** Black, moist, **soil/fill**, silt fines with some fine and coarse said with fine gravel with cinders and slag pieces.	0.0	0.0	yes	
-66	66	S18	50/4		0.2	**0.0 - 0.2** Dark brown, black, moist, **soil/fill**, silt fines with some fine and coarse sands, with cinders and slag pieces, loose.	0.0	0.0	yes	#OON sand
-68	68	S19	23 31 40 27	71	0.9	**0.0 - 0.9** Dark brown, moist, **soil/fill**, silt fines with some sand with slag pieces and cinders, loose when disturbed.	0.0	0.0	yes	
-70	70	S20	20 38 50/2		1.2	**0.0 - 1.2** Dark brown, wet, **soil/fill**, silt fines with some sand fine and coarse with some fine gravel, with pieces of slag.	0.0	na	no	
-72	72									

TurnKey Environmental Restoration, LLC

Benchmark Environmental Engineering & Science, PLLC

FIELD BOREHOLE/MONITORING INSTALLATION LOG

Project Name: Steel winds Offsite investigation **LOCATION I.D.:** WT8 - 02

Project Number: 0083 - 006 - 100 **Well Type:** ☑ Stick-up ☐ Flush-mount

Elevation (fmsl)	Depth (fbgs)	Sample No.	Blows (per 6")	SPT N-Value	Recovery (feet)	SAMPLE DESCRIPTION	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Well Construction Details
-72	72	S11	29 39 50 12	89	1.2	0.0 - 1.2 Black, wet, silty sand, with some medium and coarse grain sands, and fine gravel with little coarse gravel with yellow, white and red rounded fine gravels, dense, loose when disturbed, rapid dilatency.	0.0	na	no	
-74	74	S12				Due to running sands in the augers advanced boring to 80 fbgs. Refusal at 79.5 fbgs.				#OON sand
-76	76	S13								2 inch schedule forty PVC 0.010 slot scree
-78	78	S14				EOB @ 79.5 fbgs.				
-80	80	S15								
-82	82	S16								
-84	84	S17								
-86	86	S18								
-88	88	S19								
-90	90	S20								
-92	92									

APPENDIX E

GROUNDWATER ELEVATION MEASUREMENTS
May 11, 2007

SI/RAR/IRM Report
Steel Winds Lackawanna Site
Tecumseh Redevelopment, Inc.

Monitoring Location	TOR Elevation (fmsl)	Total Depth (fbTOR)	DTW (fbTOR)	Groundwater Elevation (fmsl)
Soil/Fill Unit Wells				
MWN-01	585.59	19.6	13.02	572.57
MWN-02	601.49	34.1	28.86	572.63
MWN-03	612.39	49.6	40.07	572.32
MWN-04	623.82	58.9	51.67	572.15
MWN-05A	623.42	58.7	51.10	572.32
MWN-11	600.08	32.3	26.37	573.71
MWN-13A	607.67	40.3	34.74	572.93
MWN-14A	612.48	49.2	40.55	571.93
MWN-16A	602.93	33.7	29.18	573.75
MWN-20A	602.76	34.9	29.38	573.38
Sand Unit Wells				
MWN-01B	587.29	32.5	14.82	572.47
MWN-02B	601.50	56.5	29.12	572.38
MWN-03B	612.47	90.9	40.24	572.23
MWN-05B	620.65	76.8	49.52	571.13
MWN-13C	607.59	74.3	34.64	572.95
MWN-14B	613.04	62.2	40.84	572.20
MWN-16B	603.26	56.9	29.50	573.76
MWN-20B	602.17	56.5	28.29	573.88
MWN-23B	599.25	54.5	26.28	572.97
Surface Water				
Lake Erie [2]	NA	NA	NA	571.94

Notes:

1. Elevations and total depths taken from the Final RFI (URS, October 2004).
2. Source: NOAA Tides & Currents Web Page- Buffalo, NY Station ID 9063020; average daily elevation.

Definitions:

DTW = detph to water
fmsl = feet above mean sea level
fbTOR = feet below top of riser
NA = not applicable

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 01**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	PT cloudy 45 °F

WELL DATA:

DATE: 12/12/06 TIME: 1002

Casing Diameter (inches):	4.0	Casing Material	PVC
Screened interval (fbTOR):	9.15 - 19.15	Screen Material	SS
Static Water Level (fbTOR):	12.44	Bottom Depth (fbTOR):	19.15
Elevation Top of Well Riser (fm	585.14	Ground Surface Elevation (fms	582.99
Elevation Top of Screen (fmsl)	575.99	Stick-up (feet):	2.15
Standing volume in gallons:	2.42		
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no	Is tubing dedicated to location? yes no
Depth of Sample (i.e. Level of Intake) (fbTOR):	Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1007	12.45								
~~12.45~~	Initial	0.0	11.19	11.8	1366	32		-239	clear / slight
1007	12.45	1	11.35	12.7	1402	11		-245	" "
1010	12.45	1.75	11.34	13.0	1408	5.95		-246	" "

SAMPLING DATA:

DATE: 12-12-06 START TIME: 1011 END TIME: 1014

Method: low-flow with dedicated tubing	Was well sampled to dryness? yes (no)
Initial Water Level (fbTOR): 12.45	Was well sampled below top of sand pack? yes (no)
Final Water Level (fbTOR):	Field Personnel: RLD / NM

PHYSICAL & CHEMICAL DATA:

Appearance:	clear
Color:	NA
Odor:	slight HC
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
11.40	13.1	1413	3.25		-243
11.35	13.2	1412	3.23		-216

REMARKS:

PREPARED BY: RLD

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 01B**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	PT cloudy 45°F

WELL DATA:

DATE: 12-12-06 TIME: 0939

Casing Diameter (inches):	2.0	Casing Material	PVC, ss
Screened interval (fbTOR):	22.24 - 32.24	Screen Material	SS
Static Water Level (fbTOR):	14.00	Bottom Depth (fbTOR):	32.24
Elevation Top of Well Riser (fm	587.03	Ground Surface Elevation (fms	583.79
Elevation Top of Screen (fmsl)	564.79	Stick-up (feet):	3.24
Standing volume in gallons:	3.10		
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location?	yes **no**	Is tubing dedicated to location?	**yes** no
Depth of Sample (i.e. Level of Intake) (fbTOR):		Approximate Purge Rate (gal/min):	

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	14.43	0.50							
0950	Initial	~~0.0~~	7.49	11.9	988	6.43		-274	Sheen / petroleum odor
0951	14.35	1	10.43	12.4	940	6.80		-294	" "
0952	14.40	2	10.67	13.1	1006	5.38		-279	" "

SAMPLING DATA:

DATE: 12-12-06 START TIME: 0953 END TIME: 0956

Method:	low-flow with dedicated tubing	Was well sampled to dryness?	yes (no)
Initial Water Level (fbTOR):	14.40	Was well sampled below top of sand pack?	yes (no)
Final Water Level (fbTOR):	14.49	Field Personnel:	RLD/NTM

PHYSICAL & CHEMICAL DATA:

		WATER QUALITY MEASUREMENTS					
Appearance:	clear / oily sheen	pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
Color:	clear						
Odor:	weathered petroleum	10.81	13.2	1042	4.5		-272
Sediment Present?	no	10.87	13.0	1059	3.62		-267

REMARKS: need new tubing

PREPARED BY: RLD

TurnKey Environmental Restoration, LLC

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 02**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	Pt Cloudy 40°F

WELL DATA:

DATE: 12/12/02 TIME: 0817

Casing Diameter (inches):	4.0	Casing Material PVC	
Screened interval (fbTOR):	23.62 - 33.62	Screen Material	SS
Static Water Level (fbTOR):	28.16	Bottom Depth (fbTOR):	33.62
Elevation Top of Well Riser (fm	601.01	Ground Surface Elevation (fms	598.89
Elevation Top of Screen (fmsl)	577.39	Stick-up (feet):	2.12
Standing volume in gallons:	3.60		
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no

Is tubing dedicated to location? yes no

Depth of Sample (i.e. Level of Intake) (fbTOR):

Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR) 28.24	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0837	Initial	0.0	11.50	11.5	2061	13		175	clear
0830	28.20	0.50	11.35	11.5	2069	12.1		-160	clear slag odor
0841	28.22	1	11.43	12.1	2077	19.7		-173	clear slag odor
0842	28.25	1.25	11.26	12.9	2081	7.76		-175	" "

SAMPLING DATA:

DATE: 12/12/02 START TIME: 0843 END TIME: 0850

Method:	low-flow with dedicated tubing	Was well sampled to dryness?	yes no
Initial Water Level (fbTOR):	28.26	Was well sampled below top of sand pack?	yes no
Final Water Level (fbTOR):	28.27	Field Personnel:	RLD/NJM

PHYSICAL & CHEMICAL DATA:

Appearance:	clear
Color:	NO
Odor:	Naphthyl-slight / Slag
Sediment Present?	NO

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
11.33	13.4	2094	5.45		-175
11.36	12.8	1985	4.41		-136

REMARKS:

PREPARED BY: RLD

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 02B**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	

WELL DATA:

DATE: 12-12-06 TIME: 0720

Casing Diameter (inches):	2.0	Casing Material PVC, ss	
Screened interval (fbTOR):	46.28 - 56.28	Screen Material	SS
Static Water Level (fbTOR):	28.36	Bottom Depth (fbTOR):	56.28
Elevation Top of Well Riser (fm	601.28	Ground Surface Elevation (fms	599
Elevation Top of Screen (fmsl)	555.00	Stick-up (feet):	2.28
Standing volume in gallons:	4.74		
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no	Is tubing dedicated to location? yes no
Depth of Sample (i.e. Level of Intake) (fbTOR):	Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0755	Initial	0.0	11.12	10.7	1436	11.1		-190	clear, slight petroleum odor
0756	24.77	0.75	11.11	12.0	1525	4.46		-226	" "
0757	~~24.77~~ 24.96	1.50	11.21	12.4	1512	3.55		-227	" "
0759	30.04	2.30	11.25	12.8	1503	2.50		-241	" "

SAMPLING DATA:

DATE: 12-12-06 START TIME: 0759 END TIME: 0803

Method: low-flow with dedicated tubing	Was well sampled to dryness? yes (no)
Initial Water Level (fbTOR): 30.04	Was well sampled below top of sand pack? yes (no)
Final Water Level (fbTOR): 30.04	Field Personnel: RLD / NM

PHYSICAL & CHEMICAL DATA:

Appearance:	clear
Color:	clear
Odor:	slight / slight petroleum
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
11.15	12.7	1502	2.05		-225
11.31	12.3	1497	2.74		-217

REMARKS:

PREPARED BY: RLD

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 02D**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	PT cloudy 40°F

WELL DATA:

DATE: 12-12-06 TIME: 0828

Casing Diameter (inches):	2.0	Casing Material	PVC, ss
Screened interval (fbTOR):	74.34 - 79.34	Screen Material	SS
Static Water Level (fbTOR):	30.28	Bottom Depth (fbTOR):	79.34
Elevation Top of Well Riser (fm	602.95	Ground Surface Elevation (fms	600.61
Elevation Top of Screen (fmsl)	528.62	Stick-up (feet):	2.34
Standing volume in gallons:	8.34		
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no

Is tubing dedicated to location? yes no

Depth of Sample (i.e. Level of Intake) (fbTOR):

Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
~~0913~~	~~30.19~~ Initial	0.0							
0913	30.19	1.0	8.61	12.1	1177	67		-192	Muddy
0916	30.20	2.50	7.63	12.4	1177	78		-135	" "
0917	30.21	3.50	7.31	12.4	1173	198		-121	" "

SAMPLING DATA:

DATE: 12-12-06 START TIME: 0919 END TIME: 0922

Method:	low-flow with dedicated tubing	Was well sampled to dryness?	yes (no)
Initial Water Level (fbTOR):	30.21	Was well sampled below top of sand pack?	yes (no)
Final Water Level (fbTOR):	30.21	Field Personnel:	RLO WTM

PHYSICAL & CHEMICAL DATA:

Appearance:	Cloudy
Color:	NA
Odor:	NA
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
7.13	11.6	1167	47.7		-109
7.28	12.7	1165	25.0		-91

REMARKS:

PREPARED BY: RLO

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 03**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	

WELL DATA:

DATE: 12/11/06 TIME: 1440

Casing Diameter (inches):	4.0	Casing Material	PVC
Screened interval (fbTOR):	39.17 - 49.17	Screen Material	SS
Static Water Level (fbTOR):	34.67	Bottom Depth (fbTOR):	49.17
Elevation Top of Well Riser (fm	611.96	Ground Surface Elevation (fms	609.79
Elevation Top of Screen (fmsl)	572.79	Stick-up (feet):	2.17

Standing volume in gallons: 6.27
[(bottom depth - static water level) x vol calculation in table per well diameter]:

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no

Is tubing dedicated to location? yes no

Depth of Sample (i.e. Level of Intake) (fbTOR): 48.00

Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1447	34.23 Initial	0.0	11.92	9.7	2770	8.3		-230	clear
1448	34.77	0.30	11.79	12.1	2723	7.60		-249	clear
1449	34.77	0.70	11.81	12.7	2765	3.61		-255	clear

SAMPLING DATA:

DATE: 12/11/06 START TIME: 1451 END TIME: 1455

Method: low-flow with dedicated tubing	Was well sampled to dryness? yes (no)
Initial Water Level (fbTOR): 34.81	Was well sampled below top of sand pack? (yes) no
Final Water Level (fbTOR): 34.81	Field Personnel: RLD / NM

PHYSICAL & CHEMICAL DATA:

Appearance:	clear
Color:	NA
Odor:	NA
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
11.84	13.1	2737	2.89		-258
11.81	12.7	2746	2.00		-255

REMARKS:

PREPARED BY: RLD

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 03B**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	cloudy 45°F

WELL DATA:

DATE: 12/11/06 TIME: 1524

Casing Diameter (inches):	2.0	Casing Material	PVC, ss
Screened interval (fbTOR):	60.72 - 70.72	Screen Material	SS
Static Water Level (fbTOR):	39.30	Bottom Depth (fbTOR):	70.72
Elevation Top of Well Riser (fm	612.29	Ground Surface Elevation (fms	609.57
Elevation Top of Screen (fmsl)	551.57	Stick-up (feet):	2.72
Standing volume in gallons:	3.34		
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes **no**	Is tubing dedicated to location? **yes** no
Depth of Sample (i.e. Level of Intake) (fbTOR):	Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
		44.85							
1527	Initial	0.0	7.49	11.4	4153	66.8		-177	clear
1529	47.41	1	7.54	11.0	3134	67		-100	cloudy
1531	49.45	2.25	7.43	12.5	3076	70		-179	cloudy

SAMPLING DATA:

DATE: 12/11/06 START TIME: 1535 END TIME: 1539

Method:	low-flow with dedicated tubing	Was well sampled to dryness?	yes (no)
Initial Water Level (fbTOR):	49.57	Was well sampled below top of sand pack?	yes (no)
Final Water Level (fbTOR):	57.20	Field Personnel:	RLD/NTM

PHYSICAL & CHEMICAL DATA:

Appearance:	cloudy
Color:	NA
Odor:	organic
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
7.43	11	3100	67		-171
7.33	12.3	3166	132		-155

REMARKS:

PREPARED BY: RLD

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 03D**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	Cloudy 45°F

WELL DATA:

DATE: 12/11/06 TIME: 1458

Casing Diameter (inches):	2.0	Casing Material PVC, ss	
Screened interval (fbTOR):	111.26 - 121.26	Screen Material	SS
Static Water Level (fbTOR):	43.45	Bottom Depth (fbTOR):	121.26
Elevation Top of Well Riser (fm	613.51	Ground Surface Elevation (fms	610.75
Elevation Top of Screen (fmsl)	502.25	Stick-up (feet):	2.76
Standing volume in gallons:	13.14		
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no

Is tubing dedicated to location? yes no

Depth of Sample (i.e. Level of Intake) (fbTOR):

Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1506	Initial	0.0	6.43	10.3	22,920	>1000		-146	Grey chemic
1507	50.35	1	6.25	11.3	24,120	>1000		-71	" "
1510	51.62	1.50	6.13	11.5	24,090	390		-57	" "
1511	53.71	2.00	6.22	12.1	26,630	601		-54	" "

SAMPLING DATA:

DATE: 12/11/06 START TIME: 1312 END TIME: 1517

Method: low-flow with dedicated tubing	Was well sampled to dryness? yes (no)
Initial Water Level (fbTOR): 55.55	Was well sampled below top of sand pack? yes (no)
Final Water Level (fbTOR): 60.85	Field Personnel: RLD/WM

PHYSICAL & CHEMICAL DATA:

Appearance:	Grey / Cloudy
Color:	Grey
Odor:	Chemic
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
6.22	12.4	~~554~~ 26,730	534		-55
6.36	11.7	25,870	129		-54

REMARKS:

PREPARED BY: RLD

TurnKey Environmental Restoration, LLC

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 04**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	

WELL DATA:

DATE: 12/11/06 TIME: 1405

Casing Diameter (inches):	4.0	Casing Material	PVC
Screened interval (fbTOR):	48.53 - 58.53	Screen Material	SS
Static Water Level (fbTOR):	53.37	Bottom Depth (fbTOR):	58.53
Elevation Top of Well Riser (fm	623.45	Ground Surface Elevation (fms	621.02
Elevation Top of Screen (fmsl)	574.92	Stick-up (feet):	2.43

Standing volume in gallons: 3.0

[(bottom depth - static water level) x vol calculation in table per well diameter]:

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes **no** Is tubing dedicated to location? **yes** no

Depth of Sample (i.e. Level of Intake) (fbTOR): 56.00 Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1412	54.42 Initial	0.0	11.04	11.3	1912	10.4		-72	clear
	54.78	0.25	11.07	12.6	2543	12.1		-95	clear
1416	55.45	0.50	11.21	13.4	2693	10.0		-98	Clear
1418	55.60	0.75	11.67	15.4	3125	10.3		-97	clear

SAMPLING DATA:

DATE: 12/11/06 START TIME: 1414 END TIME: 1426

Method:	low-flow with dedicated tubing	Was well sampled to dryness?	yes (no)
Initial Water Level (fbTOR):	56.00	Was well sampled below top of sand pack?	yes (no)
Final Water Level (fbTOR):	56.70	Field Personnel:	RD/WM

PHYSICAL & CHEMICAL DATA:

Appearance:	clear
Color:	NA
Odor:	NA
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
11.57	16.8	3186	485		-107
11.60	16.4	3144	416		-87

REMARKS:

PREPARED BY:

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 05A**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	Cloudy 40°F

WELL DATA:

DATE: 12/11/06 TIME: 0918

Casing Diameter (inches): 4.0	Casing Material PVC
Screened interval (fbTOR): 48.12 - 58.12	Screen Material SS
Static Water Level (fbTOR):	Bottom Depth (fbTOR): 58.12
Elevation Top of Well Riser (fm 622.84	Ground Surface Elevation (fms 620.22
Elevation Top of Screen (fmsl) 574.72	Stick-up (feet): 2.62
Standing volume in gallons:	
[(bottom depth - static water level) x vol calculation in table per well diameter]:	

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no

Is tubing dedicated to location? yes no

Depth of Sample (i.e. Level of Intake) (fbTOR):

Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	Initial	0.0							
		See Development Log Sheet							

SAMPLING DATA:

DATE: 12/11/06 START TIME: 0918 END TIME: 0931

Method: low-flow with dedicated tubing	Was well sampled to dryness? yes (no)
Initial Water Level (fbTOR): 5.19	Was well sampled below top of sand pack? yes (no)
Final Water Level (fbTOR):	Field Personnel: RLD / NTM

PHYSICAL & CHEMICAL DATA:

Appearance:	Clear
Color:	NA
Odor:	NA
Sediment Present?	NA

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
11.93	11.8	4822	2.64		-57
11.54	12.0	4564	2.64		-108

REMARKS: MS/MSD collected

PREPARED BY: RLD

TurnKey Environmental Restoration, LLC

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 05B**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	Cloudy 40°F

WELL DATA:

DATE: 12/11/06 TIME: 0933

Casing Diameter (inches):	2.0	Casing Material PVC, SS	
Screened interval (fbTOR):	66.69 - 76.69	Screen Material	SS
Static Water Level (fbTOR):	418.85	Bottom Depth (fbTOR):	76.69
Elevation Top of Well Riser (fm	620.54	Ground Surface Elevation (fms	617.85
Elevation Top of Screen (fmsl)	553.85	Stick-up (feet):	2.69
Standing volume in gallons: [(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no	Is tubing dedicated to location? yes no
Depth of Sample (i.e. Level of Intake) (fbTOR):	Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	Initial	0.0							
			SEE	Development		Log	Sheet		

SAMPLING DATA:

DATE: 12/11/06 START TIME: 1015 END TIME: 1025

Method:	low-flow with dedicated tubing	Was well sampled to dryness?	yes no
Initial Water Level (fbTOR):	55.10	Was well sampled below top of sand pack?	yes no
Final Water Level (fbTOR):	55.10	Field Personnel:	RLD/MM

PHYSICAL & CHEMICAL DATA:

Appearance: Brn - Emulsified

Color: Brn

Odor: Yes organic/soil

Sediment Present? ~~yes~~

WATER QUALITY MEASUREMENTS

pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
7.10	11.2	44,160	>1000		-20

REMARKS: Due to water appearance, ~~purging~~ purge water limited to the amount purged for development. -

PREPARED BY: RLD

LOW-FLOW METHOD GROUNDWATER PURGE & SAMPLE COLLECTION LOG

Project Name:	Steelwinds	WELL LOCATION:	**MWN - 05D**
Project Number:	0071 - 003 - 100	Sample Matrix:	groundwater
Client:	BQ Energy	Weather:	cloudy 45°F

WELL DATA:

DATE: 12/11/06 TIME: 1344

Casing Diameter (inches):	2.0	Casing Material	PVC, SS
Screened interval (fbTOR):	100.39 - 105.39	Screen Material	SS
Static Water Level (fbTOR):		Bottom Depth (fbTOR):	105.39
Elevation Top of Well Riser (fm	618.42	Ground Surface Elevation (fms	615.03
Elevation Top of Screen (fmsl)	518.03	Stick-up (feet):	3.39
Standing volume in gallons:			
[(bottom depth - static water level) x vol calculation in table per well diameter]:			

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

PURGING DATA:

Pump Type: grundfos

Is equipment dedicated to location? yes no	Is tubing dedicated to location? yes no
Depth of Sample (i.e. Level of Intake) (fbTOR):	Approximate Purge Rate (gal/min):

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	Initial	0.0							
			See Development Logs						

SAMPLING DATA:

DATE: 12/11/06 START TIME: 1344 END TIME: 1351

Method: low-flow with dedicated tubing	Was well sampled to dryness? yes (no)
Initial Water Level (fbTOR): ~~55.10~~ 55.10	Was well sampled below top of sand pack? yes (no)
Final Water Level (fbTOR): 54.40	Field Personnel: RVD /NM

PHYSICAL & CHEMICAL DATA:

Appearance:	cloudy
Color:	grey
Odor:	organic
Sediment Present?	no

WATER QUALITY MEASUREMENTS					
pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
7.01	12.8	1479	127		-47
6.98	11.8	1490	55.5		-46

REMARKS: Blind Dup collected

PREPARED BY:

APPENDIX F

DATA USABILITY SUMMARY REPORT (DUSR)

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

April 13, 2007

Patrick Martin
Benchmark Env. Engineers
726 Exchange St. Suite 624
Buffalo, NY 14210

RE: **Data Usability Summary Report for the Tecumseh Steelwinds site**
STL-Buffalo SDG Nos. A06-E722, A06-E726/728, and A06-E897

Dear Mr. Martin:

Review has been completed for the data package generated by Severn Trent Laboratories that pertains to water samples collected 12/06/06 through 12/12/06 at the Tecumseh Steelwinds site. Twenty-seven soil samples and two field duplicates were analyzed for TCL/STARS semivolatiles and TAL metals/CN. Six other soil samples and a field duplicate were analyzed for TCL/STARS volatiles and semivolatiles, and TAL metals/CN. Those soil samples were also process for semivolatile base/neutrals and TAL metals in their SPLP leachates. Twelve aqueous samples and a field duplicate were processed for TCL/STARS volatiles, TCL/STARS semivolatiles, and TAL metals/CN. A trip blank was also processed. Methodologies utilized are USEPA SW846 methods EPA 8260B, EPA 8270C, and EPA 6010B/7470/9012.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* ICP Serial Dilution
* CRI/CRA Standards
* Instrument IDLs

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, most sample analyte values/reporting limits are usable as reported, or usable with minor qualification as estimated ("J" qualifier) due to typical processing or matrix effects. However, results for acidic semivolatiles (i.e. phenolics) are not usable in three of the project soil samples due to a matrix effect. One cyanide result has been edited to a value two orders of magnitude below that reported by the laboratory. It is noted that there is evidence of a non-homogenous soil sample matrix, resulting in numerous qualifications of metals soil results as estimated. Some low level detections are considered external contamination.

Copies of the laboratory case narratives and the sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report. Included with this submission are red-ink edited results forms, reflecting final sample results with edits and qualifications recommended within this report.

The following text discusses quality issues of concern.

General

Blind field duplicate evaluations were performed on soil samples SWF-SS-07, SWF-SS-10, and Subsurface COMP 2. The following outliers were observed, and results for the specified analytes have been qualified as estimated in the parent sample and its duplicate:

Parent Sample	Analyte	Correlation
SWF-SS-07	fluoranthene	101%RPD
	Phenanthrene	>2X±CRDL
	Pyrene	>2X±CRDL
	Barium	123%RPD
	Silver	>2X±CRDL
SWF-SS-10	arsenic	>2X±CRDL
	Cadmium	>2X±CRDL
	Calcium	116%RPD
	Chromium	152%RPD
	Magnesium	122%RPD
	Vanadium	140%RPD
	(iron and zinc are just below the action limit)	
Subsurface COMP 2-soil	cadmium	>2X±CRDL
	Cobalt	>2X±CRDL
	Copper	155%RPD
	Nickel	120%RPD
	Mercury	>2X±CRDL
	Zinc	103%RPD
	(lead, iron, and sodium are just below the action limit)	

Parent Sample	Analyte	Correlation
Subsurface COMP 2-SPLP	aluminum	151%RPD
	Barium	60%RPD
	Calcium	55%RPD
	Chromium	130%RPD
	Iron	>±CRDL
	Lead	>±CRDL
	Magnesium	>±CRDL
	Manganese	>±CRDL
	Vanadium	>±CRDL
	Zinc	>±CRDL

Aqueous blind field duplicate evaluation on MWN-05D shows good correlations for all analytes.

Laboratory raw data should include the client ID. The raw data for metals do not show the client ID or the laboratory ID number (correlations to digestate IDs are made).

The required laboratory case narrative "verbatim" statement was not provided.

Volatiles by EPA 8260B

Results for compounds reported by the laboratory with an "E" flag are to be derived from the dilution analyses of the samples.

The aqueous matrix spikes of MWN-05A show acceptable recoveries and duplicate correlations for the five analytes evaluated. Those for Subsurface Comp 3 show one outlying recovery for a compound not detected in the sample; results are unaffected.

Holding time requirements were met, and surrogate and internal standard responses meet protocol requirements.

Due to presence in the associated method blank, detected results for methylene chloride in the subsurface soils are considered external contamination, and edited to reflect non-detection.

Calibrations standards showed acceptable responses, with the following exceptions; results of associated samples are qualified as estimated in value, with a possible low bias, or edited as stated:

- 2-butanone, 2-hexanone, 4-methyl-2-pentanone, 1,1,2,2-tetrachloroethane, and 1,2-dibromo-3-chloropropane (27%D to 46%D) in the aqueous samples
- bromomethane reporting limits in the soils are edited upward by a factor of five due to a low response in the lowest calibration standard

Semivolatile Analyses by 8270C

Due to lack of recovery of the acidic surrogate standards, results for phenolic compounds in Subsurface Comp 2, Blind Duplicate Composite, SWF-SS-15, and SWF-SS-16 rejected ("R"), and are not usable for determining presence of those analytes in the samples. The sample extractions were

repeated with consistent failure, indicating matrix effects. Recollection of the samples may not improve reported results.

The detected reported results for benzo(b)fluoranthene in the following samples are actually a combined response for that compound and benzo(k)fluoranthene. The latter was inappropriately reported as nondetection. The results for those two compounds in these samples have been edited to more accurately reflect the correct proportion, and qualified as estimated:

MWN-01B, SWF-SS-8, SWF-SS-17, SWF-SS-22, SWF-SS-23, SWF-SS-28, Subsurface Comp 1, Subsurface Comp 2, Subsurface Comp 5, and Blind Duplicate Composite

Results for compounds reported by the laboratory with an "E" flag are to be derived from the dilution analyses of the samples.

The aqueous matrix spikes of MWN-05A, SWF-SS-08, SWF-SS-09, Subsurface Comp 3, and the leachate of Subsurface Comp 3 show acceptable recoveries and duplicate correlations, or slightly outlying values not affecting sample reported results.

Holding times were met. Internal standard recoveries and the instrumental tunes were acceptable.

Calibrations standards showed acceptable responses with laboratory requirements and validation guideline, with the following exceptions. Results of associated samples are qualified as estimated in value, with a possible low bias, or edited as stated:

- the benzoic acid reporting limit in aqueous samples, the 2,4-dinitrophenol reporting limits in the subsurface soils, and the caprolactum reporting limits in all soils, are edited upward by fivefold due to poor responses in the lowest calibration standards
- hexachlorocyclopentadiene (35%RSD) in the aqueous samples and in SWF-SS-14 through SWF-SS-20, inclusive

Due to presence in the associated method blank, detected results for di-n-butylphthalate in the aqueous samples and detected results for naphthalene in MWN-02, MWN-04, and MWN-05A are considered external contamination, and edited to reflect non-detection.

SWF-SS-21 and SWF-SS-28 were overly diluted prior to analysis, resulting in elevated reporting limits for undetected compounds.

Metals/CN by EPA6010B, EPA7470, and EPA9012

The result for cyanide in SWF-SS-07 has been edited from 392 mg/kg to 2.4 mg/kg. A transcription error is suspected.

Results for mercury in SWF-SS-13 through SWF-SS-29 and Blind Duplicate are qualified as estimated due to low response (65%) in the associated low level CRI standard.

Detected results for the following elements in the SPLP leachates are considered external contamination, as indicated by their presence in the associated SPLP extraction blank:

Element	Affected Samples
Sodium	all leachate detections
Manganese	Subsurface Comp 2
Barium	Subsurface Comp3, Subsurface Comp4, Subsurface Comp6

The aqueous matrix spike(s) and duplicate of MWN-05A show acceptable recoveries and duplicate correlations, with the exception of the recoveries for cyanide (46%). Results for that analyte in the aqueous samples have been qualified as estimated.

Soil matrix spike/duplicate evaluations were performed on soil samples SWF-SS-08 (except mercury on SWF-SS-13), SWF-SS-09, and on the soil and SPLP leachate of Subsurface Comp 3

The following matrix spike recoveries are outside validation guidelines, and the indicated associated sample results have been qualified as estimated:

Parent Sample	Analyte	Recoveries	Associated Samples
SWF-SS-08	Aluminum	71 and 298	SWF-SS-01 through SWF-
	Antimony	44 and 45	SS-08, SWF-10 through
	Arsenic	69 and 63	SWF-SS-18, and both
	Lead	9 and -65	Blind duplicates
	Nickel	69 and 69	
	Selenium	68 and 53	
SWF-SS-09	Aluminum	137 and 127	SWF-SS-09 and SWF-SS-19
	Antimony	46 and 38	through SWF-29, inclusive
	Arsenic	73 and 61	
	Cobalt	72 and 61	
	Nickel	62 and 47	
	Selenium	63 and 50	
	Cyanide	24 and 35	
Subsurface Comp 3	barium	13 and 9	Subsurface soils
	Lead	-15 and 90	
	Vanadium	-93 and -69	
Sub. Comp 3 SPLP	calcium	192 and 187	SPLP leachates
	Iron	184 and 180	
	Manganese	310 and 304	

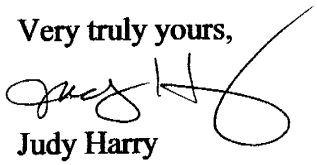
Some of the cyanide "matrix spike duplicates" were reported as being no recovery, but review of the raw distillation logs show that these were lab duplicates, not spiked, and were actually acceptable results.

The ICP serial dilution evaluation of MWN-05 and the leachate of Subsurface Comp 3 were acceptable. The following outliers were observed on the soil serial dilution evaluations, with qualifiers as indicated:

Parent Sample	Analyte	% Difference	Associated Samples
SWF-SS-08	chromium	11	SWF-SS-01 through SWF-SS-08, SWF-10 through SWF-SS-18, and both Blind duplicates
	Iron	11	
	Lead	12	
	Magnesium	11	
	Nickel	19	
	Zinc	14	
SWF-SS-09	potassium	12	SWF-SS-09 and SWF-SS-19 through SWF-29, inclusive
Subsurface Comp 3	aluminum	11	Subsurface soils
	Beryllium	14	
	Cadmium	20	
	Chromium	17	
	Copper	17	
	Lead	20	
	Magnesium	15	
	Nickel	21	
	Vanadium	15	
	Zinc	23	

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,



Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

LABORATORY SAMPLE IDs AND CASE NARRATIVES

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6E72207	BLIND DUP COMPOSITE	SOIL	12/06/2006	12:00	12/08/2006	11:55
A6E72201	SUBSURFACE COMP 1	SOIL	12/06/2006	15:00	12/08/2006	11:55
A6E72202	SUBSURFACE COMP 2	SOIL	12/06/2006	14:50	12/08/2006	11:55
A6E72203	SUBSURFACE COMP 3	SOIL	12/06/2006	14:35	12/08/2006	11:55
A6E72203MS	SUBSURFACE COMP 3	SOIL	12/06/2006	14:35	12/08/2006	11:55
A6E72203SD	SUBSURFACE COMP 3	SOIL	12/06/2006	14:35	12/08/2006	11:55
A6E72204	SUBSURFACE COMP 4	SOIL	12/06/2006	11:30	12/08/2006	11:55
A6E72205	SUBSURFACE COMP 5	SOIL	12/06/2006	10:30	12/08/2006	11:55
A6E72206	SUBSURFACE COMP 6	SOIL	12/06/2006	09:00	12/08/2006	11:55

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6E72816	BLIND DUP 1 12/6/06	SOIL	12/06/2006	12:10	12/07/2006	11:55
A6E72817	BLIND DUP 2 12/6/06	SOIL	12/06/2006	12:20	12/07/2006	11:55
A6E72601	SWF-SS-01	SOIL	12/06/2006	15:00	12/07/2006	11:55
A6E72602	SWF-SS-02	SOIL	12/06/2006	14:50	12/07/2006	11:55
A6E72603	SWF-SS-03	SOIL	12/06/2006	14:40	12/07/2006	11:55
A6E72604	SWF-SS-04	SOIL	12/06/2006	14:30	12/07/2006	11:55
A6E72605	SWF-SS-05	SOIL	12/06/2006	14:20	12/07/2006	11:55
A6E72606	SWF-SS-06	SOIL	12/06/2006	14:10	12/07/2006	11:55
A6E72607	SWF-SS-07	SOIL	12/06/2006	14:00	12/07/2006	11:55
A6E72608	SWF-SS-08	SOIL	12/06/2006	13:30	12/07/2006	11:55
A6E72608MS	SWF-SS-08	SOIL	12/06/2006	13:30	12/07/2006	11:55
A6E72608SD	SWF-SS-08	SOIL	12/06/2006	13:30	12/07/2006	11:55
A6E72609	SWF-SS-09	SOIL	12/06/2006	13:15	12/07/2006	11:55
A6E72609MS	SWF-SS-09	SOIL	12/06/2006	13:15	12/07/2006	11:55
A6E72609SD	SWF-SS-09	SOIL	12/06/2006	13:15	12/07/2006	11:55
A6E72610	SWF-SS-10	SOIL	12/06/2006	13:00	12/07/2006	11:55
A6E72611	SWF-SS-11	SOIL	12/06/2006	11:50	12/07/2006	11:55
A6E72612	SWF-SS-12	SOIL	12/06/2006	11:40	12/07/2006	11:55
A6E72801	SWF-SS-13	SOIL	12/06/2006	11:30	12/07/2006	11:55
A6E72802	SWF-SS-14	SOIL	12/06/2006	11:20	12/07/2006	11:55
A6E72803	SWF-SS-15	SOIL	12/06/2006	11:10	12/07/2006	11:55
A6E72804	SWF-SS-16	SOIL	12/06/2006	11:00	12/07/2006	11:55
A6E72805	SWF-SS-17	SOIL	12/06/2006	10:50	12/07/2006	11:55
A6E72806	SWF-SS-18	SOIL	12/06/2006	10:40	12/07/2006	11:55
A6E72807	SWF-SS-19	SOIL	12/06/2006	10:30	12/07/2006	11:55
A6E72808	SWF-SS-20	SOIL	12/06/2006	10:20	12/07/2006	11:55
A6E72809	SWF-SS-21	SOIL	12/06/2006	10:10	12/07/2006	11:55
A6E72810	SWF-SS-22	SOIL	12/06/2006	10:00	12/07/2006	11:55
A6E72811	SWF-SS-23	SOIL	12/06/2006	09:50	12/07/2006	11:55
A6E72812	SWF-SS-26	SOIL	12/06/2006	09:20	12/07/2006	11:55
A6E72813	SWF-SS-27	SOIL	12/06/2006	08:55	12/07/2006	11:55
A6E72814	SWF-SS-28	SOIL	12/06/2006	08:30	12/07/2006	11:55
A6E72815	SWF-SS-29	SOIL	12/06/2006	08:40	12/07/2006	11:55

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6E89713	BLIND DUPLICATE	WATER	12/11/2006	12:00	12/12/2006	11:20
A6E89701	MWN-01	WATER	12/12/2006	10:11	12/12/2006	11:20
A6E89702	MWN-01B	WATER	12/12/2006	09:53	12/12/2006	11:20
A6E89703	MWN-02	WATER	12/12/2006	08:53	12/12/2006	11:20
A6E89704	MWN-02B	WATER	12/12/2006	08:59	12/12/2006	11:20
A6E89705	MWN-02D	WATER	12/12/2006	09:19	12/12/2006	11:20
A6E89706	MWN-03	WATER	12/11/2006	14:51	12/12/2006	11:20
A6E89707	MWN-03B	WATER	12/11/2006	15:35	12/12/2006	11:20
A6E89708	MWN-03D	WATER	12/11/2006	13:12	12/12/2006	11:20
A6E89709	MWN-04	WATER	12/11/2006	14:14	12/12/2006	11:20
A6E89710	MWN-05A	WATER	12/11/2006	09:18	12/12/2006	11:20
A6E89710MS	MWN-05A	WATER	12/11/2006	09:18	12/12/2006	11:20
A6E89710SD	MWN-05A	WATER	12/11/2006	09:18	12/12/2006	11:20
A6E89711	MWN-05B	WATER	12/11/2006	10:15	12/12/2006	11:20
A6E89712	MWN-05D	WATER	12/11/2006	13:14	12/12/2006	11:20
A6E89714	TRIP BLANK	WATER	12/11/2006	12:00	12/12/2006	11:20

NON-CONFORMANCE SUMMARY

Job#: A06-E722

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-E722
Sample Cooler(s) were received at the following temperature(s); 3.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The spike recovery of the analyte Chlorobenzene in Matrix Spike of sample SUBSURFACE COMP 3 fell below quality control limits. The Matrix Spike Blank recoveries are compliant.

Initial calibration standard curve A6I0002164-1 exhibited a percent Relative Standard Deviation (%RSD) of greater than 15% for several compounds. However, the overall mean RSD of all compounds is 7.90%.

GC/MS Semivolatile Data

The surrogate recoveries for 2,4,6-Tribromophenol, 2-Fluorophenol and Phenol-D5 were below the laboratory quality control limits for sample SUBSURFACE COMP 2. The sample was re-extracted within hold and re-analyzed with similar results confirming sample matrix interference. Both sets of data were reported.

The surrogate recoveries for 2,4,6-Tribromophenol and 2-Fluorophenol were below the laboratory quality control limits for sample BLIND DUP COMPOSITE. The sample was re-extracted within hold and re-analyzed with similar results confirming sample matrix interference. Both sets of data were reported.

The surrogate recovery for 2,4,6-Tribromophenol was below the laboratory quality control limits for samples SUBSURFACE COMP 4 and SUBSURFACE COMP 5. As per laboratory SOP, one surrogate in either fraction (base/neutral or acid fraction) may have a recovery outside of the control limit.

The spike recovery for Pentachlorophenol was below the laboratory quality control limits in the Matrix Spike Duplicate SUBSURFACE COMP 3. Since the Matrix Spike Blank A6B3195001 recovery was compliant, no corrective action was required.

The relative percent difference between the Matrix Spike and Matrix Spike Duplicate of sample SUBSURFACE COMP 3 exceeded quality control criteria for Pyrene. No action required.

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration standard curves A6I0002221-1 and A6I0002239-1.

The chromatographic peaks for Benzo(b)fluoranthene and Benzo(k)fluoranthene could not be resolved for samples SUBSURFACE COMP 1, SUBSURFACE COMP 2, SUBSURFACE COMP 5, BLIND DUP COMPOSITE, BLIND DUP COMPOSITE RE and the Matrix Spike and Matrix Spike Duplicate of sample SUBSURFACE COMP 3 due to the sample matrix. The final value is reported as Benzo(b)fluoranthene in this data package but should be considered an and/or value for both compounds.

Metals Data

The LCS recovery exhibited a result above the quality control limits for SPLP Sodium. This was evaluated and deterimined to be due to the tumbling and filteration of the SPLP process. Therefore, no corrective action was taken.

The recoveries of sample SUBSURFACE COMP 3 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Total Aluminum, Calcium, Chromium, Iron, Magnesium, and Manganese. The sample results are more than four times greater than the spike added. The RPD between sample SUBSURFACE COMP 3 Matrix Spike and Matrix Spike Duplicate exceeded the quality control criteria for Total Aluminum, Calcium, Chromium, Iron, and Manganese. The LCS was acceptable.

The recoveries of sample SUBSURFACE COMP 3 Matrix Spike exhibited results below the quality control limits for Total Barium, Lead, Potassium, and Zinc. The recoveries of sample SUBSURFACE COMP 3 Matrix Spike Duplicate exhibited results below the quality control limits for Total Barium, Thallium and Vanadium and results above the quality control limits for Total Copper, Nickel and Zinc. Sample matrix is suspect. The RPD between sample SUBSURFACE COMP 3 Matrix Spike and Matrix Spike Duplicate exceeded the quality control criteria for Total Copper, Lead, Nickel, and Zinc. The LCS was acceptable.

The recoveries of sample SUBSURFACE COMP 3 Matrix Spike exhibited results above the quality control limits for SPLP Calcium, Iron, Manganese, and Zinc. The recoveries of sample SUBSURFACE COMP 3 Matrix Spike Duplicate exhibited results above the quality control limits for SPLP Calcium, Iron and Manganese. Sample matrix is suspect. However, the LCS was acceptable.

The analyte Total Iron was detected in a CCB, analyzed at 14:35, at a level above the project established reporting limit. However, all samples had levels of Total Iron greater than ten times that of the CCB value, therefore, no corrective action was necessary.

The analyte SPLP Silver was detected in a CCB, analyzed at 13:46, at a level above the project established reporting limit. All samples were non-detect for this analyte, therefore, no corrective action was necessary.

The analytes Barium, Manganese and Sodium were detected in the SPLP Extractor Blank at concentrations above STL's standard quantitation limit. This was evaluated and deterimined to be due to the tumbling and filteration of the SPLP process. The Method Blank was compliant and the sample data was therefore accepted. No corrective action was taken.

The recoveries of sample SUBSURFACE COMP 3 Post Spike exhibited results below the quality control limits for Total Calcium, Iron, Manganese, and Thallium. However, the Serial Dilution of this sample and elements was compliant. Therefore, no corrective action was necessary.

The Serial Dilution of sample SUBSURFACE COMP 3 exceeded the quality control limits for Total Beryllium, Cadmium, Cobalt, Nickel, and Vanadium. However, the Post Spike of this sample and elements was compliant. Therefore, no corrective action was necessary.

The Post Spike and Serial Dilution of sample SUBSURFACE COMP 3 exceeded the quality control limits for Total Aluminum, Chromium, Lead, Manganese, and Zinc. Sample matrix is suspect, therefore, no correction action was necessary.

The Relative Percent Difference between sample SUBSURFACE COMP 3 Matrix Spike and Matrix Spike Duplicate exceeded the quality control criteria for Total Antimony, though the individual recoveries are compliant.

Wet Chemistry Data

The recovery of sample SUBSURFACE COMP 3 Matrix Spike Duplicate exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

NON-CONFORMANCE SUMMARY

Job#: A06-E726,A06-E728

STL Project#: NY3A9073
SDG#: E726
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-E726
Sample Cooler(s) were received at the following temperature(s); 3.0 °C
All samples were received in good condition.
A06-E728
Sample Cooler(s) were received at the following temperature(s); 3.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The surrogate recovery for 2,4,6-Tribromophenol was below the laboratory quality control limits for the samples SWF-SS-11, SWF-SS-14 and SWF-SS-27. As per laboratory SOP, one surrogate in each fraction (base/neutral or acid fraction) may have a recovery outside of the control limit.

The surrogate recovery for Phenol-D5 was below the laboratory control limits for the sample SWF-SS-21. As per the laboratory SOP, one surrogate in each fraction (base/neutral or acid fraction) may have a recovery outside of the control limits.

The surrogate recoveries for 2,4,6-Tribromophenol, 2-Fluorophenol, and Phenol-D5 were below laboratory quality control limits in the samples SWF-SS-15 and SWF-SS-16. The samples were re-extracted within holding time and re-analyzed with similar results confirming potential matrix interference. Both sets of data were reported.

The spike recovery for Pyrene was below the laboratory quality control limits in the Matrix Spike Duplicate of sample SWF-SS-08. The Relative Percent Difference (RPD) between the Matrix Spike and the Matrix Spike Duplicate of sample SWF-SS-08 exceeded quality control limits for the analyte Pyrene. The associated Matrix Spike Blank MSB38 (A6B3194701) recoveries were compliant, so no corrective action was performed.

The relative percent difference between the Matrix Spike SWF-SS-09 and the Matrix Spike Duplicate SWF-SS-09 exceeded quality control criteria for Pentachlorophenol, though all individual recoveries are compliant. No action required.

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration standard curves A6I0002221-1, A6I0002239-1, A6I0002215-1, A6I0002248-1, A6I0002203-1 and A6I0002250-1.

The chromatographic peaks for Benzo(b)fluoranthene and Benzo(k)fluoranthene could not be resolved for the samples SWF-SS-08, SWF-SS-16 RE, SWF-SS-17, SWF-SS-22, SWF-SS-23 and SWF-SS-28 due to the sample matrix. The final value is reported as Benzo(b)fluoranthene in this data package but should be considered an and/or value for both compounds.

Metals Data

The recoveries of sample SWF-SS-08 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Aluminum(MSD) and below the quality control limits for Aluminum(MS), Antimony, Arsenic, Cadmium (MSD), Cobalt(MSD), Copper(MSD), Lead, Nickel, Selenium, and Thallium(MSD). The recoveries of sample SWF-SS-09 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Aluminum and below the quality control limits for Antimony, Arsenic, Beryllium(MSD), Cadmium(MSD), Cobalt, Copper(MSD), Lead(MSD), Nickel, Selenium, Thallium(MSD), and Vanadium(MSD). Sample matrix is suspect. The RPD of sample SWF-SS-08 Matrix Spike and Matrix Spike Duplicate exceeded the quality control limits for Aluminum and Lead. The RPD of sample SWF-SS-09 Matrix Spike and Matrix Spike Duplicate exceeded the quality control limits for Antimony, Beryllium, Cadmium, Selenium, Thallium, and Vanadium. However, the LCS's were acceptable.

The recoveries of sample SWF-SS-08 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Calcium, Chromium, Iron(MS), Magnesium(MSD) and Vanadium(MS) and below the quality control limits for Magnesium(MS), Manganese, Iron(MSD), and Zinc. The recoveries of sample SWF-SS-09 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Calcium and Manganese and below the quality control limits for Chromium, Iron, Magnesium, Vanadium(MSD) and Zinc. The sample results are more than four times greater than the spike added. The RPD of sample SWF-SS-08 Matrix Spike and Matrix Spike Duplicate exceeded the quality control limits for Iron, Magnesium, Manganese, Vanadium, and Zinc. The LCS's were acceptable.

The relative percent difference between sample SWF-SS-09 Matrix Spike and the Matrix Spike Duplicate exceeded quality control criteria for Mercury, though all individual recoveries are compliant. No action required.

The recoveries of sample SWF-SS-08 Post Spike exhibited results below the quality control limits for Chromium, Iron, Magnesium, Manganese, Vanadium, and Zinc. The recoveries of sample SWF-SS-09 exhibited results below the quality control limits for Iron, Magnesium, and Manganese. However, the LCS's were acceptable.

The analytes Manganese and Iron were detected in several CCB's at levels above the project established reporting limits. However, all samples had levels of Manganese and Iron greater than ten times that of the CCB's values, therefore, no corrective action was necessary.

The CCB's, analyzed at 19:41, 20:42, 21:42, exhibited results above the detection limits for Iron and Manganese. However, the samples were bracketed by compliant CCB's, therefore, no corrective action was necessary.

The Serial Dilution of sample SWF-SS-08 exceeded the quality control limits for Chromium, Iron, Lead, Magnesium, Nickel, and Zinc. The Serial Dilution of sample SWF-SS-09 exceeded the quality control limits for Potassium. However, the LCS's were acceptable.

Wet Chemistry Data

The recovery of sample SWF-SS-08 Matrix Spike exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable. The relative percent difference of sample SWF-SS-08 between the Matrix Spike and the Matrix Spike Duplicate exceed quality control limits for Total Cyanide, due to sample soil sample matrix.

The recovery of sample SWF-SS-09 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable. The relative percent difference of sample SWF-SS-09 between the Matrix Spike and the Matrix Spike Duplicate exceed quality control limits for Total Cyanide, due to soil sample matrix.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

NON-CONFORMANCE SUMMARY

Job#: A06-E897

STL Project#: NY3A9073
Site Name: TURNKEY - TECUMSEH REDEVELOPMENT SITE

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-E897
Sample Cooler(s) were received at the following temperature(s); 3@5.4 °C
All samples were received in good condition.

GC/MS Volatile Data

Initial calibration standard curve A6I0002230-1 exhibited a percent Relative Standard Deviation (%RSD) of greater than 15% for several compounds. However, the overall mean RSD of all compounds is 8.67%.

The analyte Methylene Chloride was detected in the dilutions for samples MWN-01, MWN-01B, and MWN-02B. The dilution process involves additional manipulation of the sample, therefore, the sample detection for Methylene Chloride in the dilution may potentially be due to laboratory contamination and should be evaluated accordingly.

All samples were preserved to a pH less than 2.

GC/MS Semivolatile Data

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration A6I0002250.

The chromatographic peaks for Benzo(b)fluoranthene and Benzo(k)fluoranthene could not be resolved for sample MWN-01B due to the sample matrix. The final value is reported as Benzo(b)fluoranthene in this data package but should be considered an and/or value for both compounds.

Metals Data

The recovery of sample MWN-05A Matrix Spike exhibited a result below the quality control limits for Calcium. The sample result is more than four times greater than the spike added. The LFB was acceptable.

The Mercury value obtained for sample MWN-05B was inconsistent with historical trends. Reanalysis was performed and the value was confirmed. Only the result from the original analysis is provided in this data package.

The recovery of sample MWN-05A Post Spike exhibited a result below the quality control limits for Calcium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Wet Chemistry Data

The recovery of sample MWN-05A Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

QUALIFIED REPORT FORMS

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207

Sample wt/vol: 5.01 (g/mL) G Lab File ID: F4180.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	34	
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	30 ~~6~~	U
78-93-3	2-Butanone	6	J
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
106-93-4	1,2-Dibromoethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
78-87-5	1,2-Dichloropropane	6	U
541-73-1	1,3-Dichlorobenzene	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
75-09-2	Methylene chloride	15	~~B~~ U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
108-10-1	4-Methyl-2-pentanone	28	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207

Sample wt/vol: 5.01 (g/mL) G Lab File ID: F4180.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
98-82-8	Isopropylbenzene	6	U
79-01-6	Trichloroethene	6	U
79-20-9	Methyl acetate	6	U
75-01-4	Vinyl chloride	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
1330-20-7	Total Xylenes	17	U
108-87-2	Methylcyclohexane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
98-06-6	tert-Butylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
99-87-6	p-Cymene	6	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72201

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F4172.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	28	U
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	30 ~~6~~	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
106-93-4	1,2-Dibromoethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
78-87-5	1,2-Dichloropropane	6	U
541-73-1	1,3-Dichlorobenzene	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
75-09-2	Methylene chloride	21	BU
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
108-10-1	4-Methyl-2-pentanone	28	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72201

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F4172.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
98-82-8	Isopropylbenzene	6	U
79-01-6	Trichloroethene	6	U
79-20-9	Methyl acetate	6	U
75-01-4	Vinyl chloride	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
1330-20-7	Total Xylenes	17	U
108-87-2	Methylcyclohexane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
98-06-6	tert-Butylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
99-87-6	p-Cymene	6	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202

Sample wt/vol: 5.03 (g/mL) G Lab File ID: F4173.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	22	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	30 6	U
78-93-3	2-Butanone	29	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
106-93-4	1,2-Dibromoethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
78-87-5	1,2-Dichloropropane	6	U
541-73-1	1,3-Dichlorobenzene	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	29	U
75-09-2	Methylene chloride	24	B U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
108-10-1	4-Methyl-2-pentanone	29	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202

Sample wt/vol: 5.03 (g/mL) G Lab File ID: F4173.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
98-82-8	Isopropylbenzene	6	U
79-01-6	Trichloroethene	6	U
79-20-9	Methyl acetate	6	U
75-01-4	Vinyl chloride	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
1330-20-7	Total Xylenes	17	U
108-87-2	Methylcyclohexane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
98-06-6	tert-Butylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
99-87-6	p-Cymene	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F4174.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	28	U
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	30	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
106-93-4	1,2-Dibromoethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
78-87-5	1,2-Dichloropropane	6	U
541-73-1	1,3-Dichlorobenzene	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
75-09-2	Methylene chloride	21	BU
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
108-10-1	4-Methyl-2-pentanone	28	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 3

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F4174.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
98-82-8	Isopropylbenzene	6	U
79-01-6	Trichloroethene	6	U
79-20-9	Methyl acetate	6	U
75-01-4	Vinyl chloride	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
1330-20-7	Total Xylenes	17	U
108-87-2	Methylcyclohexane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
98-06-6	tert-Butylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
99-87-6	p-Cymene	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72204

Sample wt/vol: 5.16 (g/mL) G Lab File ID: F4177.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	16	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	25	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
78-87-5	1,2-Dichloropropane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
75-09-2	Methylene chloride	20	BU
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
108-10-1	4-Methyl-2-pentanone	26	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72204

Sample wt/vol: 5.16 (g/mL) G Lab File ID: F4177.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
98-82-8	Isopropylbenzene	5	U
79-01-6	Trichloroethene	5	U
79-20-9	Methyl acetate	5	U
75-01-4	Vinyl chloride	10	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
1330-20-7	Total Xylenes	16	U
108-87-2	Methylcyclohexane	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
103-65-1	n-Propylbenzene	5	U
99-87-6	p-Cymene	5	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72205

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F4178.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	38	
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	~~5~~ 25	U
78-93-3	2-Butanone	6	J
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
106-93-4	1,2-Dibromoethane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
78-87-5	1,2-Dichloropropane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
75-09-2	Methylene chloride	23	~~B~~ U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
108-10-1	4-Methyl-2-pentanone	27	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72205

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F4178.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
98-82-8	Isopropylbenzene	5	U
79-01-6	Trichloroethene	5	U
79-20-9	Methyl acetate	5	U
75-01-4	Vinyl chloride	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
1330-20-7	Total Xylenes	16	U
108-87-2	Methylcyclohexane	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
103-65-1	n-Propylbenzene	5	U
99-87-6	p-Cymene	5	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F4179.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	28	U
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	30 ~~6~~	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
106-93-4	1,2-Dibromoethane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
78-87-5	1,2-Dichloropropane	6	U
541-73-1	1,3-Dichlorobenzene	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
75-09-2	Methylene chloride	20	~~B~~ U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
108-10-1	4-Methyl-2-pentanone	28	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILE ORGANICS+STARS-S
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F4179.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 12/18/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
98-82-8	Isopropylbenzene	6	U
79-01-6	Trichloroethene	6	U
79-20-9	Methyl acetate	6	U
75-01-4	Vinyl chloride	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
1330-20-7	Total Xylenes	16	U
108-87-2	Methylcyclohexane	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
104-51-8	n-Butylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
98-06-6	tert-Butylbenzene	6	U
103-65-1	n-Propylbenzene	6	U
99-87-6	p-Cymene	6	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207

Sample wt/vol: 30.65 (g/mL) G Lab File ID: U17777.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
83-32-9	Acenaphthene	1800	U	
208-96-8	Acenaphthylene	1800	U	
98-86-2	Acetophenone	1800	U	
120-12-7	Anthracene	260	J	
1912-24-9	Atrazine	1800	U	
100-52-7	Benzaldehyde	1800	U	
56-55-3	Benzo(a)anthracene	1300	J	
205-99-2	Benzo(b)fluoranthene	~~2300~~		1300 J
207-08-9	Benzo(k)fluoranthene	~~1800~~	~~U~~	1000 J
191-24-2	Benzo(ghi)perylene	680	J	
50-32-8	Benzo(a)pyrene	940	J	
92-52-4	Biphenyl	1800	U	
111-91-1	Bis(2-chloroethoxy) methane	1800	U	
111-44-4	Bis(2-chloroethyl) ether	1800	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	1800	U	
117-81-7	Bis(2-ethylhexyl) phthalate	1800	U	
101-55-3	4-Bromophenyl phenyl ether	1800	U	
85-68-7	Butyl benzyl phthalate	1800	U	
105-60-2	Caprolactam 9000	~~1800~~	U	
106-47-8	4-Chloroaniline	1800	U	
59-50-7	4-Chloro-3-methylphenol	~~1800~~	~~U~~	R
91-58-7	2-Chloronaphthalene	1800	U	
95-57-8	2-Chlorophenol	~~1800~~	~~U~~	R
7005-72-3	4-Chlorophenyl phenyl ether	1800	U	
86-74-8	Carbazole	170	J	
218-01-9	Chrysene	1400	J	
53-70-3	Dibenzo(a,h)anthracene	220	J	
132-64-9	Dibenzofuran	160	J	
84-74-2	Di-n-butyl phthalate	1800	U	
91-94-1	3,3'-Dichlorobenzidine	8900	U	
120-83-2	2,4-Dichlorophenol	~~1800~~	~~U~~	R
84-66-2	Diethyl phthalate	1800	U	

4-10-07

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207

Sample wt/vol: 30.65 (g/mL) G Lab File ID: U17777.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1800	U R
131-11-3	Dimethyl phthalate	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	8900	U R
51-28-5	2,4-Dinitrophenol	8900	U R
121-14-2	2,4-Dinitrotoluene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
117-84-0	Di-n-octyl phthalate	1800	U
206-44-0	Fluoranthene	3300	
86-73-7	Fluorene	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-68-3	Hexachlorobutadiene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
67-72-1	Hexachloroethane	1800	U
193-39-5	Indeno(1,2,3-cd)pyrene	660	J
78-59-1	Isophorone	1800	U
91-57-6	2-Methylnaphthalene	1800	U
95-48-7	2-Methylphenol	1800	U R
106-44-5	4-Methylphenol	1800	U R
91-20-3	Naphthalene	170	J
88-74-4	2-Nitroaniline	8900	U
99-09-2	3-Nitroaniline	8900	U
100-01-6	4-Nitroaniline	8900	U
98-95-3	Nitrobenzene	1800	U
88-75-5	2-Nitrophenol	1800	U R
100-02-7	4-Nitrophenol	8900	U R
86-30-6	N-nitrosodiphenylamine	1800	U
621-64-7	N-Nitroso-Di-n-propylamine	1800	U
87-86-5	Pentachlorophenol	8900	U R
85-01-8	Phenanthrene	2700	
108-95-2	Phenol	1800	U R
129-00-0	Pyrene	2300	
95-95-4	2,4,5-Trichlorophenol	4500	U R

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207

Sample wt/vol: 30.65 (g/mL) G Lab File ID: U17777.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
ANALYSIS DATA SHEET

Client No.

BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18551.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
83-32-9	Acenaphthene	0.010	U
208-96-8	Acenaphthylene	0.010	U
120-12-7	Anthracene	0.010	U
56-55-3	Benzo(a)anthracene	0.010	U
205-99-2	Benzo(b)fluoranthene	0.010	U
207-08-9	Benzo(k)fluoranthene	0.010	U
191-24-2	Benzo(ghi)perylene	0.010	U
50-32-8	Benzo(a)pyrene	0.010	U
100-51-6	Benzyl alcohol	0.020	U
111-91-1	Bis(2-chloroethoxy) methane	0.010	U
111-44-4	Bis(2-chloroethyl) ether	0.010	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	0.010	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.024	U
101-55-3	4-Bromophenyl phenyl ether	0.010	U
85-68-7	Butyl benzyl phthalate	0.010	U
106-47-8	4-Chloroaniline	0.010	U
91-58-7	2-Chloronaphthalene	0.010	U
7005-72-3	4-Chlorophenyl phenyl ether	0.010	U
218-01-9	Chrysene	0.010	U
53-70-3	Dibenzo(a,h)anthracene	0.010	U
132-64-9	Dibenzofuran	0.010	U
84-74-2	Di-n-butyl phthalate	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U
541-73-1	1,3-Dichlorobenzene	0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	U
91-94-1	3,3'-Dichlorobenzidine	0.020	U
84-66-2	Diethyl phthalate	0.010	U
131-11-3	Dimethyl phthalate	0.010	U
121-14-2	2,4-Dinitrotoluene	0.010	U
606-20-2	2,6-Dinitrotoluene	0.010	U
117-84-0	Di-n-octyl phthalate	0.010	U
206-44-0	Fluoranthene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUPCOMPOSITERE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207RE

Sample wt/vol: 30.47 (g/mL) G Lab File ID: U17848.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/18/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
ANALYSIS DATA SHEET

Client No.

BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72207

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18551.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
86-73-7	Fluorene	0.010	U
118-74-1	Hexachlorobenzene	0.010	U
87-68-3	Hexachlorobutadiene	0.010	U
77-47-4	Hexachlorocyclopentadiene	0.045	U
67-72-1	Hexachloroethane	0.011	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U
78-59-1	Isophorone	0.010	U
91-57-6	2-Methylnaphthalene	0.010	U
91-20-3	Naphthalene	0.010	U
88-74-4	2-Nitroaniline	0.050	U
99-09-2	3-Nitroaniline	0.050	U
100-01-6	4-Nitroaniline	0.050	U
98-95-3	Nitrobenzene	0.010	U
86-30-6	N-nitrosodiphenylamine	0.010	U
621-64-7	N-Nitroso-Di-n-propylamine	0.010	U
85-01-8	Phenanthrene	0.0031	J
129-00-0	Pyrene	0.010	U
120-82-1	1,2,4-Trichlorobenzene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72201

Sample wt/vol: 30.51 (g/mL) G Lab File ID: U17769.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
83-32-9	Acenaphthene	1900	U	
208-96-8	Acenaphthylene	240	J	
98-86-2	Acetophenone	1900	U	
120-12-7	Anthracene	380	J	
1912-24-9	Atrazine	1900	U	
100-52-7	Benzaldehyde	1900	U	
56-55-3	Benzo(a)anthracene	1400	J	
205-99-2	Benzo(b)fluoranthene	~~2600~~		1400 J
207-08-9	Benzo(k)fluoranthene	~~1900~~	U	1200 J
191-24-2	Benzo(ghi)perylene	1000	J	
50-32-8	Benzo(a)pyrene	1400	J	
92-52-4	Biphenyl	160	J	
111-91-1	Bis(2-chloroethoxy) methane	1900	U	
111-44-4	Bis(2-chloroethyl) ether	1900	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	1900	U	
117-81-7	Bis(2-ethylhexyl) phthalate	1900	U	
101-55-3	4-Bromophenyl phenyl ether	1900	U	
85-68-7	Butyl benzyl phthalate	1900	U	
105-60-2	Caprolactam	9500 ~~1900~~	U	
106-47-8	4-Chloroaniline	1900	U	
59-50-7	4-Chloro-3-methylphenol	1900	U	
91-58-7	2-Chloronaphthalene	1900	U	
95-57-8	2-Chlorophenol	1900	U	
7005-72-3	4-Chlorophenyl phenyl ether	1900	U	
86-74-8	Carbazole	130	J	
218-01-9	Chrysene	1500	J	
53-70-3	Dibenzo(a,h)anthracene	340	J	
132-64-9	Dibenzofuran	450	J	
84-74-2	Di-n-butyl phthalate	1900	U	
91-94-1	3,3'-Dichlorobenzidine	9100	U	
120-83-2	2,4-Dichlorophenol	1900	U	
84-66-2	Diethyl phthalate	1900	U	

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72201

Sample wt/vol: 30.51 (g/mL) G Lab File ID: U17769.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1900	U
131-11-3	Dimethyl phthalate	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	9100	U
51-28-5	2,4-Dinitrophenol	46,000 ~~9100~~	U
121-14-2	2,4-Dinitrotoluene	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
117-84-0	Di-n-octyl phthalate	1900	U
206-44-0	Fluoranthene	2800	
86-73-7	Fluorene	1900	U
118-74-1	Hexachlorobenzene	1900	U
87-68-3	Hexachlorobutadiene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
67-72-1	Hexachloroethane	1900	U
193-39-5	Indeno(1,2,3-cd)pyrene	980	J
78-59-1	Isophorone	1900	U
91-57-6	2-Methylnaphthalene	440	J
95-48-7	2-Methylphenol	1900	U
106-44-5	4-Methylphenol	1900	U
91-20-3	Naphthalene	1800	J
88-74-4	2-Nitroaniline	9100	U
99-09-2	3-Nitroaniline	9100	U
100-01-6	4-Nitroaniline	9100	U
98-95-3	Nitrobenzene	1900	U
88-75-5	2-Nitrophenol	1900	U
100-02-7	4-Nitrophenol	9100	U
86-30-6	N-nitrosodiphenylamine	1900	U
621-64-7	N-Nitroso-Di-n-propylamine	1900	U
87-86-5	Pentachlorophenol	9100	U
85-01-8	Phenanthrene	1500	J
108-95-2	Phenol	1900	U
129-00-0	Pyrene	2200	
95-95-4	2,4,5-Trichlorophenol	4500	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72201

Sample wt/vol: 30.51 (g/mL) G Lab File ID: U17769.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
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Client No.

SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72201

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18543.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
83-32-9	Acenaphthene	0.010	U
208-96-8	Acenaphthylene	0.010	U
120-12-7	Anthracene	0.010	U
56-55-3	Benzo(a)anthracene	0.010	U
205-99-2	Benzo(b)fluoranthene	0.010	U
207-08-9	Benzo(k)fluoranthene	0.010	U
191-24-2	Benzo(ghi)perylene	0.010	U
50-32-8	Benzo(a)pyrene	0.010	U
100-51-6	Benzyl alcohol	0.020	U
111-91-1	Bis(2-chloroethoxy) methane	0.010	U
111-44-4	Bis(2-chloroethyl) ether	0.010	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	0.010	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.024	U
101-55-3	4-Bromophenyl phenyl ether	0.010	U
85-68-7	Butyl benzyl phthalate	0.010	U
106-47-8	4-Chloroaniline	0.010	U
91-58-7	2-Chloronaphthalene	0.010	U
7005-72-3	4-Chlorophenyl phenyl ether	0.010	U
218-01-9	Chrysene	0.010	U
53-70-3	Dibenzo(a,h)anthracene	0.010	U
132-64-9	Dibenzofuran	0.010	U
84-74-2	Di-n-butyl phthalate	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U
541-73-1	1,3-Dichlorobenzene	0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	U
91-94-1	3,3'-Dichlorobenzidine	0.020	U
84-66-2	Diethyl phthalate	0.010	U
131-11-3	Dimethyl phthalate	0.010	U
121-14-2	2,4-Dinitrotoluene	0.010	U
606-20-2	2,6-Dinitrotoluene	0.010	U
117-84-0	Di-n-octyl phthalate	0.010	U
206-44-0	Fluoranthene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72201

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18543.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
86-73-7	Fluorene	0.010	U
118-74-1	Hexachlorobenzene	0.010	U
87-68-3	Hexachlorobutadiene	0.010	U
77-47-4	Hexachlorocyclopentadiene	0.045	U
67-72-1	Hexachloroethane	0.011	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U
78-59-1	Isophorone	0.010	U
91-57-6	2-Methylnaphthalene	0.010	U
91-20-3	Naphthalene	0.010	U
88-74-4	2-Nitroaniline	0.050	U
99-09-2	3-Nitroaniline	0.050	U
100-01-6	4-Nitroaniline	0.050	U
98-95-3	Nitrobenzene	0.010	U
86-30-6	N-nitrosodiphenylamine	0.010	U
621-64-7	N-Nitroso-Di-n-propylamine	0.010	U
85-01-8	Phenanthrene	0.010	U
129-00-0	Pyrene	0.010	U
120-82-1	1,2,4-Trichlorobenzene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202

Sample wt/vol: 30.68 (g/mL) G Lab File ID: U17770.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
83-32-9	Acenaphthene	1900	U	
208-96-8	Acenaphthylene	140	J	
98-86-2	Acetophenone	1900	U	
120-12-7	Anthracene	390	J	
1912-24-9	Atrazine	1900	U	
100-52-7	Benzaldehyde	1900	U	
56-55-3	Benzo(a)anthracene	1700	J	
205-99-2	Benzo(b)fluoranthene	~~2700~~		1400 J
207-08-9	Benzo(k)fluoranthene	~~1900~~	~~U~~	1300 J
191-24-2	Benzo(ghi)perylene	920	J	
50-32-8	Benzo(a)pyrene	1300	J	
92-52-4	Biphenyl	1900	U	
111-91-1	Bis(2-chloroethoxy) methane	1900	U	
111-44-4	Bis(2-chloroethyl) ether	1900	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	1900	U	
117-81-7	Bis(2-ethylhexyl) phthalate	1900	U	
101-55-3	4-Bromophenyl phenyl ether	1900	U	
85-68-7	Butyl benzyl phthalate	1900	U	
105-60-2	Caprolactam	9500 ~~1900~~	U	
106-47-8	4-Chloroaniline	1900	U	
59-50-7	4-Chloro-3-methylphenol	~~1900~~	~~U~~ R	
91-58-7	2-Chloronaphthalene	1900	U	
95-57-8	2-Chlorophenol	1900	~~U~~ R	
7005-72-3	4-Chlorophenyl phenyl ether	1900	U	
86-74-8	Carbazole	240	J	
218-01-9	Chrysene	1800	J	
53-70-3	Dibenzo(a,h)anthracene	330	J	
132-64-9	Dibenzofuran	310	J	
84-74-2	Di-n-butyl phthalate	1900	U	
91-94-1	3,3'-Dichlorobenzidine	9100	U	
120-83-2	2,4-Dichlorophenol	~~1900~~	~~U~~ R	
84-66-2	Diethyl phthalate	1900	U	

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202

Sample wt/vol: 30.68 (g/mL) G Lab File ID: U17770.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	~~1900~~	U R
131-11-3	Dimethyl phthalate	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	~~9100~~	U R
51-28-5	2,4-Dinitrophenol	~~9100~~	U R
121-14-2	2,4-Dinitrotoluene	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
117-84-0	Di-n-octyl phthalate	1900	U
206-44-0	Fluoranthene	4500	
86-73-7	Fluorene	96	J
118-74-1	Hexachlorobenzene	1900	U
87-68-3	Hexachlorobutadiene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
67-72-1	Hexachloroethane	1900	U
193-39-5	Indeno(1,2,3-cd)pyrene	920	J
78-59-1	Isophorone	1900	U
91-57-6	2-Methylnaphthalene	110	J
95-48-7	2-Methylphenol	~~1900~~	U R
106-44-5	4-Methylphenol	~~1900~~	U R
91-20-3	Naphthalene	430	J
88-74-4	2-Nitroaniline	9100	U
99-09-2	3-Nitroaniline	9100	U
100-01-6	4-Nitroaniline	9100	U
98-95-3	Nitrobenzene	1900	U
88-75-5	2-Nitrophenol	~~1900~~	U R
100-02-7	4-Nitrophenol	~~9100~~	U R
86-30-6	N-nitrosodiphenylamine	1900	U
621-64-7	N-Nitroso-Di-n-propylamine	1900	U
87-86-5	Pentachlorophenol	~~9100~~	U R
85-01-8	Phenanthrene	3600	
108-95-2	Phenol	1900	U
129-00-0	Pyrene	3200	
95-95-4	2,4,5-Trichlorophenol	~~4600~~	U R

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202

Sample wt/vol: 30.68 (g/mL) G Lab File ID: U17770.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	~~1900~~	~~U~~ R

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 2 RE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202RE

Sample wt/vol: 30.26 (g/mL) G Lab File ID: U17847.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/18/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1900	U
208-96-8	Acenaphthylene	210	J
98-86-2	Acetophenone	1900	U
120-12-7	Anthracene	460	J
1912-24-9	Atrazine	1900	U
100-52-7	Benzaldehyde	1900	U
56-55-3	Benzo(a)anthracene	2000	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	1100	J
191-24-2	Benzo(ghi)perylene	1700	J
50-32-8	Benzo(a)pyrene	1700	J
92-52-4	Biphenyl	1900	U
111-91-1	Bis(2-chloroethoxy) methane	1900	U
111-44-4	Bis(2-chloroethyl) ether	1900	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1900	U
117-81-7	Bis(2-ethylhexyl) phthalate	1900	U
101-55-3	4-Bromophenyl phenyl ether	1900	U
85-68-7	Butyl benzyl phthalate	1900	U
105-60-2	Caprolactam	1900	U
106-47-8	4-Chloroaniline	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-58-7	2-Chloronaphthalene	1900	U
95-57-8	2-Chlorophenol	1900	U
7005-72-3	4-Chlorophenyl phenyl ether	1900	U
86-74-8	Carbazole	310	J
218-01-9	Chrysene	2000	
53-70-3	Dibenzo(a,h)anthracene	460	J
132-64-9	Dibenzofuran	320	J
84-74-2	Di-n-butyl phthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	9300	U
120-83-2	2,4-Dichlorophenol	1900	U
84-66-2	Diethyl phthalate	1900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
ANALYSIS DATA SHEET

Client No.: SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18544.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
83-32-9	Acenaphthene	0.010	U
208-96-8	Acenaphthylene	0.010	U
120-12-7	Anthracene	0.010	U
56-55-3	Benzo(a)anthracene	0.010	U
205-99-2	Benzo(b)fluoranthene	0.010	U
207-08-9	Benzo(k)fluoranthene	0.010	U
191-24-2	Benzo(ghi)perylene	0.010	U
50-32-8	Benzo(a)pyrene	0.010	U
100-51-6	Benzyl alcohol	0.020	U
111-91-1	Bis(2-chloroethoxy) methane	0.010	U
111-44-4	Bis(2-chloroethyl) ether	0.010	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	0.010	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.024	U
101-55-3	4-Bromophenyl phenyl ether	0.010	U
85-68-7	Butyl benzyl phthalate	0.010	U
106-47-8	4-Chloroaniline	0.010	U
91-58-7	2-Chloronaphthalene	0.010	U
7005-72-3	4-Chlorophenyl phenyl ether	0.010	U
218-01-9	Chrysene	0.010	U
53-70-3	Dibenzo(a,h)anthracene	0.010	U
132-64-9	Dibenzofuran	0.010	U
84-74-2	Di-n-butyl phthalate	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U
541-73-1	1,3-Dichlorobenzene	0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	U
91-94-1	3,3'-Dichlorobenzidine	0.020	U
84-66-2	Diethyl phthalate	0.010	U
131-11-3	Dimethyl phthalate	0.010	U
121-14-2	2,4-Dinitrotoluene	0.010	U
606-20-2	2,6-Dinitrotoluene	0.010	U
117-84-0	Di-n-octyl phthalate	0.010	U
206-44-0	Fluoranthene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
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Client No.

SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72202

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18544.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
86-73-7	Fluorene	0.010	U
118-74-1	Hexachlorobenzene	0.010	U
87-68-3	Hexachlorobutadiene	0.010	U
77-47-4	Hexachlorocyclopentadiene	0.045	U
67-72-1	Hexachloroethane	0.011	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U
78-59-1	Isophorone	0.010	U
91-57-6	2-Methylnaphthalene	0.010	U
91-20-3	Naphthalene	0.010	U
88-74-4	2-Nitroaniline	0.050	U
99-09-2	3-Nitroaniline	0.050	U
100-01-6	4-Nitroaniline	0.050	U
98-95-3	Nitrobenzene	0.010	U
86-30-6	N-nitrosodiphenylamine	0.010	U
621-64-7	N-Nitroso-Di-n-propylamine	0.010	U
85-01-8	Phenanthrene	0.0044	J
129-00-0	Pyrene	0.010	U
120-82-1	1,2,4-Trichlorobenzene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
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Client No.

SUBSURFACE COMP 3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72203

Sample wt/vol: 30.08 (g/mL) G Lab File ID: U17771.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1800	U
208-96-8	Acenaphthylene	1800	U
98-86-2	Acetophenone	1800	U
120-12-7	Anthracene	1800	U
1912-24-9	Atrazine	1800	U
100-52-7	Benzaldehyde	1800	U
56-55-3	Benzo(a)anthracene	420	J
205-99-2	Benzo(b)fluoranthene	630	J
207-08-9	Benzo(k)fluoranthene	190	J
191-24-2	Benzo(ghi)perylene	330	J
50-32-8	Benzo(a)pyrene	440	J
92-52-4	Biphenyl	1800	U
111-91-1	Bis(2-chloroethoxy) methane	1800	U
111-44-4	Bis(2-chloroethyl) ether	1800	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1800	U
117-81-7	Bis(2-ethylhexyl) phthalate	1800	U
101-55-3	4-Bromophenyl phenyl ether	1800	U
85-68-7	Butyl benzyl phthalate	1800	U
105-60-2	Caprolactam	9000 ~~1800~~	U
106-47-8	4-Chloroaniline	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-58-7	2-Chloronaphthalene	1800	U
95-57-8	2-Chlorophenol	1800	U
7005-72-3	4-Chlorophenyl phenyl ether	1800	U
86-74-8	Carbazole	1800	U
218-01-9	Chrysene	480	J
53-70-3	Dibenzo(a,h)anthracene	94	J
132-64-9	Dibenzofuran	1800	U
84-74-2	Di-n-butyl phthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	9000	U
120-83-2	2,4-Dichlorophenol	1800	U
84-66-2	Diethyl phthalate	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72203

Sample wt/vol: 30.08 (g/mL) G Lab File ID: U17771.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1800	U
131-11-3	Dimethyl phthalate	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	9000	U
51-28-5	2,4-Dinitrophenol	45,000 ~~9000~~	U
121-14-2	2,4-Dinitrotoluene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
117-84-0	Di-n-octyl phthalate	1800	U
206-44-0	Fluoranthene	720	J
86-73-7	Fluorene	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-68-3	Hexachlorobutadiene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
67-72-1	Hexachloroethane	1800	U
193-39-5	Indeno(1,2,3-cd)pyrene	300	J
78-59-1	Isophorone	1800	U
91-57-6	2-Methylnaphthalene	1800	U
95-48-7	2-Methylphenol	1800	U
106-44-5	4-Methylphenol	1800	U
91-20-3	Naphthalene	1800	U
88-74-4	2-Nitroaniline	9000	U
99-09-2	3-Nitroaniline	9000	U
100-01-6	4-Nitroaniline	9000	U
98-95-3	Nitrobenzene	1800	U
88-75-5	2-Nitrophenol	1800	U
100-02-7	4-Nitrophenol	9000	U
86-30-6	N-nitrosodiphenylamine	1800	U
621-64-7	N-Nitroso-Di-n-propylamine	1800	U
87-86-5	Pentachlorophenol	9000	U
85-01-8	Phenanthrene	280	J
108-95-2	Phenol	1800	U
129-00-0	Pyrene	660	J
95-95-4	2,4,5-Trichlorophenol	4500	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72203

Sample wt/vol: 30.08 (g/mL) G Lab File ID: U17771.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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Client No.

SUBSURFACE COMP 3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72203

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18545.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
83-32-9	Acenaphthene	0.010	U
208-96-8	Acenaphthylene	0.010	U
120-12-7	Anthracene	0.010	U
56-55-3	Benzo(a)anthracene	0.010	U
205-99-2	Benzo(b)fluoranthene	0.010	U
207-08-9	Benzo(k)fluoranthene	0.010	U
191-24-2	Benzo(ghi)perylene	0.010	U
50-32-8	Benzo(a)pyrene	0.010	U
100-51-6	Benzyl alcohol	0.020	U
111-91-1	Bis(2-chloroethoxy) methane	0.010	U
111-44-4	Bis(2-chloroethyl) ether	0.010	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	0.010	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.024	U
101-55-3	4-Bromophenyl phenyl ether	0.010	U
85-68-7	Butyl benzyl phthalate	0.010	U
106-47-8	4-Chloroaniline	0.010	U
91-58-7	2-Chloronaphthalene	0.010	U
7005-72-3	4-Chlorophenyl phenyl ether	0.010	U
218-01-9	Chrysene	0.010	U
53-70-3	Dibenzo(a,h)anthracene	0.010	U
132-64-9	Dibenzofuran	0.010	U
84-74-2	Di-n-butyl phthalate	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U
541-73-1	1,3-Dichlorobenzene	0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	U
91-94-1	3,3'-Dichlorobenzidine	0.020	U
84-66-2	Diethyl phthalate	0.0038	J
131-11-3	Dimethyl phthalate	0.010	U
121-14-2	2,4-Dinitrotoluene	0.010	U
606-20-2	2,6-Dinitrotoluene	0.010	U
117-84-0	Di-n-octyl phthalate	0.010	U
206-44-0	Fluoranthene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72203

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18545.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
86-73-7	Fluorene	0.010	U
118-74-1	Hexachlorobenzene	0.010	U
87-68-3	Hexachlorobutadiene	0.010	U
77-47-4	Hexachlorocyclopentadiene	0.045	U
67-72-1	Hexachloroethane	0.011	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U
78-59-1	Isophorone	0.010	U
91-57-6	2-Methylnaphthalene	0.010	U
91-20-3	Naphthalene	0.010	U
88-74-4	2-Nitroaniline	0.050	U
99-09-2	3-Nitroaniline	0.050	U
100-01-6	4-Nitroaniline	0.050	U
98-95-3	Nitrobenzene	0.010	U
86-30-6	N-nitrosodiphenylamine	0.010	U
621-64-7	N-Nitroso-Di-n-propylamine	0.010	U
85-01-8	Phenanthrene	0.010	U
129-00-0	Pyrene	0.010	U
120-82-1	1,2,4-Trichlorobenzene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72204

Sample wt/vol: 30.95 (g/mL) G Lab File ID: U17774.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	740	J
208-96-8	Acenaphthylene	200	J
98-86-2	Acetophenone	1800	U
120-12-7	Anthracene	1700	J
1912-24-9	Atrazine	1800	U
100-52-7	Benzaldehyde	1800	U
56-55-3	Benzo(a)anthracene	4400	
205-99-2	Benzo(b)fluoranthene	5600	
207-08-9	Benzo(k)fluoranthene	2900	
191-24-2	Benzo(ghi)perylene	2900	
50-32-8	Benzo(a)pyrene	5000	
92-52-4	Biphenyl	1800	U
111-91-1	Bis(2-chloroethoxy) methane	1800	U
111-44-4	Bis(2-chloroethyl) ether	1800	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1800	U
117-81-7	Bis(2-ethylhexyl) phthalate	1800	U
101-55-3	4-Bromophenyl phenyl ether	1800	U
85-68-7	Butyl benzyl phthalate	1800	U
105-60-2	Caprolactam	9000 ~~1800~~	U
106-47-8	4-Chloroaniline	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-58-7	2-Chloronaphthalene	1800	U
95-57-8	2-Chlorophenol	1800	U
7005-72-3	4-Chlorophenyl phenyl ether	1800	U
86-74-8	Carbazole	800	J
218-01-9	Chrysene	4400	
53-70-3	Dibenzo(a,h)anthracene	750	J
132-64-9	Dibenzofuran	480	J
84-74-2	Di-n-butyl phthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	8600	U
120-83-2	2,4-Dichlorophenol	1800	U
84-66-2	Diethyl phthalate	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
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Client No.

SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72204

Sample wt/vol: 30.95 (g/mL) G Lab File ID: U17774.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1800	U
131-11-3	Dimethyl phthalate	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	8600	U
51-28-5	2,4-Dinitrophenol	4300 ~~8600~~	U
121-14-2	2,4-Dinitrotoluene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
117-84-0	Di-n-octyl phthalate	1800	U
206-44-0	Fluoranthene	8300	
86-73-7	Fluorene	760	J
118-74-1	Hexachlorobenzene	1800	U
87-68-3	Hexachlorobutadiene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
67-72-1	Hexachloroethane	1800	U
193-39-5	Indeno(1,2,3-cd)pyrene	2500	
78-59-1	Isophorone	1800	U
91-57-6	2-Methylnaphthalene	210	J
95-48-7	2-Methylphenol	1800	U
106-44-5	4-Methylphenol	1800	U
91-20-3	Naphthalene	680	J
88-74-4	2-Nitroaniline	8600	U
99-09-2	3-Nitroaniline	8600	U
100-01-6	4-Nitroaniline	8600	U
98-95-3	Nitrobenzene	1800	U
88-75-5	2-Nitrophenol	1800	U
100-02-7	4-Nitrophenol	8600	U
86-30-6	N-nitrosodiphenylamine	1800	U
621-64-7	N-Nitroso-Di-n-propylamine	1800	U
87-86-5	Pentachlorophenol	8600	U
85-01-8	Phenanthrene	5900	
108-95-2	Phenol	1800	U
129-00-0	Pyrene	6600	
95-95-4	2,4,5-Trichlorophenol	4300	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.

SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72204

Sample wt/vol: 30.95 (g/mL) G Lab File ID: U17774.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

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Client No.

SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72204

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18548.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
83-32-9	Acenaphthene	0.010	U
208-96-8	Acenaphthylene	0.010	U
120-12-7	Anthracene	0.010	U
56-55-3	Benzo(a)anthracene	0.010	U
205-99-2	Benzo(b)fluoranthene	0.010	U
207-08-9	Benzo(k)fluoranthene	0.010	U
191-24-2	Benzo(ghi)perylene	0.010	U
50-32-8	Benzo(a)pyrene	0.010	U
100-51-6	Benzyl alcohol	0.020	U
111-91-1	Bis(2-chloroethoxy) methane	0.010	U
111-44-4	Bis(2-chloroethyl) ether	0.010	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	0.010	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.024	U
101-55-3	4-Bromophenyl phenyl ether	0.010	U
85-68-7	Butyl benzyl phthalate	0.010	U
106-47-8	4-Chloroaniline	0.010	U
91-58-7	2-Chloronaphthalene	0.010	U
7005-72-3	4-Chlorophenyl phenyl ether	0.010	U
218-01-9	Chrysene	0.010	U
53-70-3	Dibenzo(a,h)anthracene	0.010	U
132-64-9	Dibenzofuran	0.010	U
84-74-2	Di-n-butyl phthalate	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U
541-73-1	1,3-Dichlorobenzene	0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	U
91-94-1	3,3'-Dichlorobenzidine	0.020	U
84-66-2	Diethyl phthalate	0.010	U
131-11-3	Dimethyl phthalate	0.010	U
121-14-2	2,4-Dinitrotoluene	0.010	U
606-20-2	2,6-Dinitrotoluene	0.010	U
117-84-0	Di-n-octyl phthalate	0.010	U
206-44-0	Fluoranthene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72204

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18548.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
86-73-7	Fluorene	0.010	U
118-74-1	Hexachlorobenzene	0.010	U
87-68-3	Hexachlorobutadiene	0.010	U
77-47-4	Hexachlorocyclopentadiene	0.045	U
67-72-1	Hexachloroethane	0.011	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U
78-59-1	Isophorone	0.010	U
91-57-6	2-Methylnaphthalene	0.010	U
91-20-3	Naphthalene	0.0043	J
88-74-4	2-Nitroaniline	0.050	U
99-09-2	3-Nitroaniline	0.050	U
100-01-6	4-Nitroaniline	0.050	U
98-95-3	Nitrobenzene	0.010	U
86-30-6	N-nitrosodiphenylamine	0.010	U
621-64-7	N-Nitroso-Di-n-propylamine	0.010	U
85-01-8	Phenanthrene	0.0063	J
129-00-0	Pyrene	0.010	U
120-82-1	1,2,4-Trichlorobenzene	0.010	U

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TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72205

Sample wt/vol: 30.44 (g/mL) G Lab File ID: U17775.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1800	U
208-96-8	Acenaphthylene	190	J
98-86-2	Acetophenone	1800	U
120-12-7	Anthracene	200	J
1912-24-9	Atrazine	1800	U
100-52-7	Benzaldehyde	1800	U
56-55-3	Benzo(a)anthracene	1500	J
205-99-2	Benzo(b)fluoranthene	~~3700~~ 2000	~~-~~ J
207-08-9	Benzo(k)fluoranthene	~~1800~~ 1700	~~U~~ J
191-24-2	Benzo(ghi)perylene	1500	J
50-32-8	Benzo(a)pyrene	2100	
92-52-4	Biphenyl	1800	U
111-91-1	Bis(2-chloroethoxy) methane	1800	U
111-44-4	Bis(2-chloroethyl) ether	1800	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1800	U
117-81-7	Bis(2-ethylhexyl) phthalate	1800	U
101-55-3	4-Bromophenyl phenyl ether	1800	U
85-68-7	Butyl benzyl phthalate	1800	U
105-60-2	Caprolactam	9000 ~~1800~~	U
106-47-8	4-Chloroaniline	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-58-7	2-Chloronaphthalene	1800	U
95-57-8	2-Chlorophenol	1800	U
7005-72-3	4-Chlorophenyl phenyl ether	1800	U
86-74-8	Carbazole	1800	U
218-01-9	Chrysene	1800	
53-70-3	Dibenzo(a,h)anthracene	360	J
132-64-9	Dibenzofuran	1800	U
84-74-2	Di-n-butyl phthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	8600	U
120-83-2	2,4-Dichlorophenol	1800	U
84-66-2	Diethyl phthalate	1800	U

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Client No.

SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72205

Sample wt/vol: 30.44 (g/mL) G Lab File ID: U17775.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1800	U
131-11-3	Dimethyl phthalate	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	8600	U
51-28-5	2,4-Dinitrophenol	~~8600~~ 43,000	U
121-14-2	2,4-Dinitrotoluene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
117-84-0	Di-n-octyl phthalate	1800	U
206-44-0	Fluoranthene	2100	
86-73-7	Fluorene	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-68-3	Hexachlorobutadiene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
67-72-1	Hexachloroethane	1800	U
193-39-5	Indeno(1,2,3-cd)pyrene	1300	J
78-59-1	Isophorone	1800	U
91-57-6	2-Methylnaphthalene	1800	U
95-48-7	2-Methylphenol	1800	U
106-44-5	4-Methylphenol	1800	U
91-20-3	Naphthalene	180	J
88-74-4	2-Nitroaniline	8600	U
99-09-2	3-Nitroaniline	8600	U
100-01-6	4-Nitroaniline	8600	U
98-95-3	Nitrobenzene	1800	U
88-75-5	2-Nitrophenol	1800	U
100-02-7	4-Nitrophenol	8600	U
86-30-6	N-nitrosodiphenylamine	1800	U
621-64-7	N-Nitroso-Di-n-propylamine	1800	U
87-86-5	Pentachlorophenol	8600	U
85-01-8	Phenanthrene	810	J
108-95-2	Phenol	1800	U
129-00-0	Pyrene	1900	
95-95-4	2,4,5-Trichlorophenol	4300	U

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TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72205

Sample wt/vol: 30.44 (g/mL) G Lab File ID: U17775.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

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Client No.

SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72205

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18549.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
83-32-9	Acenaphthene	0.010	U
208-96-8	Acenaphthylene	0.010	U
120-12-7	Anthracene	0.010	U
56-55-3	Benzo(a)anthracene	0.010	U
205-99-2	Benzo(b)fluoranthene	0.010	U
207-08-9	Benzo(k)fluoranthene	0.010	U
191-24-2	Benzo(ghi)perylene	0.010	U
50-32-8	Benzo(a)pyrene	0.010	U
100-51-6	Benzyl alcohol	0.020	U
111-91-1	Bis(2-chloroethoxy) methane	0.010	U
111-44-4	Bis(2-chloroethyl) ether	0.010	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	0.010	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.024	U
101-55-3	4-Bromophenyl phenyl ether	0.010	U
85-68-7	Butyl benzyl phthalate	0.010	U
106-47-8	4-Chloroaniline	0.010	U
91-58-7	2-Chloronaphthalene	0.010	U
7005-72-3	4-Chlorophenyl phenyl ether	0.010	U
218-01-9	Chrysene	0.010	U
53-70-3	Dibenzo(a,h)anthracene	0.010	U
132-64-9	Dibenzofuran	0.010	U
84-74-2	Di-n-butyl phthalate	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U
541-73-1	1,3-Dichlorobenzene	0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	U
91-94-1	3,3'-Dichlorobenzidine	0.020	U
84-66-2	Diethyl phthalate	0.010	U
131-11-3	Dimethyl phthalate	0.010	U
121-14-2	2,4-Dinitrotoluene	0.010	U
606-20-2	2,6-Dinitrotoluene	0.010	U
117-84-0	Di-n-octyl phthalate	0.010	U
206-44-0	Fluoranthene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72205

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18549.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
86-73-7	Fluorene	0.010	U
118-74-1	Hexachlorobenzene	0.010	U
87-68-3	Hexachlorobutadiene	0.010	U
77-47-4	Hexachlorocyclopentadiene	0.045	U
67-72-1	Hexachloroethane	0.011	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U
78-59-1	Isophorone	0.010	U
91-57-6	2-Methylnaphthalene	0.010	U
91-20-3	Naphthalene	0.010	U
88-74-4	2-Nitroaniline	0.050	U
99-09-2	3-Nitroaniline	0.050	U
100-01-6	4-Nitroaniline	0.050	U
98-95-3	Nitrobenzene	0.010	U
86-30-6	N-nitrosodiphenylamine	0.010	U
621-64-7	N-Nitroso-Di-n-propylamine	0.010	U
85-01-8	Phenanthrene	0.010	U
129-00-0	Pyrene	0.010	U
120-82-1	1,2,4-Trichlorobenzene	0.010	U

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TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206

Sample wt/vol: 30.90 (g/mL) G Lab File ID: U17776.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	8100	
208-96-8	Acenaphthylene	530	J
98-86-2	Acetophenone	3700	U
120-12-7	Anthracene	17000	
1912-24-9	Atrazine	3700	U
100-52-7	Benzaldehyde	3700	U
56-55-3	Benzo(a)anthracene	27000	
205-99-2	Benzo(b)fluoranthene	26000	
207-08-9	Benzo(k)fluoranthene	14000	
191-24-2	Benzo(ghi)perylene	11000	
50-32-8	Benzo(a)pyrene	22000	
92-52-4	Biphenyl	560	J
111-91-1	Bis(2-chloroethoxy) methane	3700	U
111-44-4	Bis(2-chloroethyl) ether	3700	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	3700	U
117-81-7	Bis(2-ethylhexyl) phthalate	3700	U
101-55-3	4-Bromophenyl phenyl ether	3700	U
85-68-7	Butyl benzyl phthalate	3700	U
105-60-2	Caprolactam	18,500 ~~3700~~	U
106-47-8	4-Chloroaniline	3700	U
59-50-7	4-Chloro-3-methylphenol	3700	U
91-58-7	2-Chloronaphthalene	3700	U
95-57-8	2-Chlorophenol	3700	U
7005-72-3	4-Chlorophenyl phenyl ether	3700	U
86-74-8	Carbazole	5800	
218-01-9	Chrysene	23000	
53-70-3	Dibenzo(a,h)anthracene	3000	J
132-64-9	Dibenzofuran	4600	
84-74-2	Di-n-butyl phthalate	3700	U
91-94-1	3,3'-Dichlorobenzidine	18000	U
120-83-2	2,4-Dichlorophenol	3700	U
84-66-2	Diethyl phthalate	3700	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206

Sample wt/vol: 30.90 (g/mL) G Lab File ID: U17776.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
105-67-9	2,4-Dimethylphenol	3700	U	
131-11-3	Dimethyl phthalate	3700	U	
534-52-1	4,6-Dinitro-2-methylphenol	18000	U	
51-28-5	2,4-Dinitrophenol 90,000	~~18000~~	U	
121-14-2	2,4-Dinitrotoluene	3700	U	
606-20-2	2,6-Dinitrotoluene	3700	U	
117-84-0	Di-n-octyl phthalate	3700	U	
206-44-0	Fluoranthene	~~66000~~	E	84,000
86-73-7	Fluorene	7700		
118-74-1	Hexachlorobenzene	3700	U	
87-68-3	Hexachlorobutadiene	3700	U	
77-47-4	Hexachlorocyclopentadiene	3700	U	
67-72-1	Hexachloroethane	3700	U	
193-39-5	Indeno(1,2,3-cd)pyrene	11000		
78-59-1	Isophorone	3700	U	
91-57-6	2-Methylnaphthalene	2000	J	
95-48-7	2-Methylphenol	3700	U	
106-44-5	4-Methylphenol	3700	U	
91-20-3	Naphthalene	2300	J	
88-74-4	2-Nitroaniline	18000	U	
99-09-2	3-Nitroaniline	18000	U	
100-01-6	4-Nitroaniline	18000	U	
98-95-3	Nitrobenzene	3700	U	
88-75-5	2-Nitrophenol	3700	U	
100-02-7	4-Nitrophenol	18000	U	
86-30-6	N-nitrosodiphenylamine	3700	U	
621-64-7	N-Nitroso-Di-n-propylamine	3700	U	
87-86-5	Pentachlorophenol	18000	U	
85-01-8	Phenanthrene	58000		
108-95-2	Phenol	3700	U	
129-00-0	Pyrene	47000		
95-95-4	2,4,5-Trichlorophenol	9000	U	

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.

SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206

Sample wt/vol: 30.90 (g/mL) G Lab File ID: U17776.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	3700	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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Client No.

SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18550.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
83-32-9	Acenaphthene	0.010	U
208-96-8	Acenaphthylene	0.010	U
120-12-7	Anthracene	0.010	U
56-55-3	Benzo(a)anthracene	0.010	U
205-99-2	Benzo(b)fluoranthene	0.010	U
207-08-9	Benzo(k)fluoranthene	0.010	U
191-24-2	Benzo(ghi)perylene	0.010	U
50-32-8	Benzo(a)pyrene	0.010	U
100-51-6	Benzyl alcohol	0.020	U
111-91-1	Bis(2-chloroethoxy) methane	0.010	U
111-44-4	Bis(2-chloroethyl) ether	0.010	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	0.010	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.024	U
101-55-3	4-Bromophenyl phenyl ether	0.010	U
85-68-7	Butyl benzyl phthalate	0.010	U
106-47-8	4-Chloroaniline	0.010	U
91-58-7	2-Chloronaphthalene	0.010	U
7005-72-3	4-Chlorophenyl phenyl ether	0.010	U
218-01-9	Chrysene	0.010	U
53-70-3	Dibenzo(a,h)anthracene	0.010	U
132-64-9	Dibenzofuran	0.010	U
84-74-2	Di-n-butyl phthalate	0.010	U
95-50-1	1,2-Dichlorobenzene	0.010	U
541-73-1	1,3-Dichlorobenzene	0.010	U
106-46-7	1,4-Dichlorobenzene	0.010	U
91-94-1	3,3'-Dichlorobenzidine	0.020	U
84-66-2	Diethyl phthalate	0.010	U
131-11-3	Dimethyl phthalate	0.010	U
121-14-2	2,4-Dinitrotoluene	0.010	U
606-20-2	2,6-Dinitrotoluene	0.010	U
117-84-0	Di-n-octyl phthalate	0.010	U
206-44-0	Fluoranthene	0.010	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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Client No.

SUBSURFACE COMP 6 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206DL

Sample wt/vol: 30.90 (g/mL) G Lab File ID: U17826.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	7400	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - SPLP TCL BASE NEUTRAL COMPOUNDS
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Client No.

SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A6E72206

Sample wt/vol: 250.00 (g/mL) ML Lab File ID: V18550.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/08/2006

% Moisture: 100 decanted: (Y/N) N Date Extracted: 12/14/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L	Q
86-73-7	Fluorene	0.010	U
118-74-1	Hexachlorobenzene	0.010	U
87-68-3	Hexachlorobutadiene	0.010	U
77-47-4	Hexachlorocyclopentadiene	0.045	U
67-72-1	Hexachloroethane	0.011	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U
78-59-1	Isophorone	0.010	U
91-57-6	2-Methylnaphthalene	0.010	U
91-20-3	Naphthalene	0.010	U
88-74-4	2-Nitroaniline	0.050	U
99-09-2	3-Nitroaniline	0.050	U
100-01-6	4-Nitroaniline	0.050	U
98-95-3	Nitrobenzene	0.010	U
86-30-6	N-nitrosodiphenylamine	0.010	U
621-64-7	N-Nitroso-Di-n-propylamine	0.010	U
85-01-8	Phenanthrene	0.010	U
129-00-0	Pyrene	0.010	U
120-82-1	1,2,4-Trichlorobenzene	0.010	U

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72207 **Client ID:** BLIND DUP COMPOSITE

Matrix: SOIL **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 88 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**14400**	**mg/Kg**		J	**11.2**	11.2	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Antimony	<	16.8	mg/Kg	U		16.8	16.8	1	12/14/2006	05:13	SUPERTRACE2	A121306R2	P
Arsenic	<	2.2	mg/Kg	U		2.2	2.2	1	12/14/2006	05:13	SUPERTRACE2	A121306R2	P
Barium		**118**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Beryllium		**2.3**	**mg/Kg**		J	**0.22**	0.22	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Cadmium	<	0.22	mg/Kg	U	J	0.22	0.22	1	12/14/2006	05:13	SUPERTRACE2	A121306R2	P
Calcium		**248000**	**mg/Kg**			**561**	561	**10**	**12/18/2006**	**11:27**	SUPERTRACE2	A121806	P
Chromium		**257**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Cobalt	<	0.56	mg/Kg	U	J	0.56	0.56	1	12/14/2006	05:13	SUPERTRACE2	A121306R2	P
Copper		**11.9**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Iron		**45400**	**mg/Kg**			**11.2**	11.2	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Lead		**22.6**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Magnesium		**19600**	**mg/Kg**		J	**22.5**	22.5	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Manganese		**22200**	**mg/Kg**			**2.2**	2.2	**10**	**12/18/2006**	**11:27**	SUPERTRACE2	A121806	P
Nickel		**8.0**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Potassium		**630**	**mg/Kg**			**33.7**	33.7	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Selenium		**6.5**	**mg/Kg**			**4.5**	4.5	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Silver	<	0.57	mg/Kg	U		0.57	0.57	1	12/18/2006	19:20	SUPERTRACE2	A121806R2	P
Mercury	<	0.018	mg/Kg	U	J	0.018	0.018	1	12/19/2006	12:40:59	LEEMAN PS2	L21219Sy	CV
Sodium		**418**	**mg/Kg**			**157**	157	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Thallium	<	6.7	mg/Kg	U		6.7	6.7	1	12/14/2006	05:13	SUPERTRACE2	A121306R2	P
Vanadium		**224**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P
Zinc		**71.7**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/14/2006**	**05:13**	SUPERTRACE2	A121306R2	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72207-SPLP **Client ID:** BLIND DUP COMPOSITE-SPLP

Matrix: WATER **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B31756 **Prep Date:** 12/11/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**2910**	**ug/L**		J	**200**	200	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Barium		**243**	**ug/L**		J	**2.0**	2.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Calcium		**441000**	**ug/L**		N J	**2500**	2500	**5**	**12/14/2006**	**14:39**	SUPERTRACE2	A121406	P
Chromium		**75.3**	**ug/L**		J	**4.0**	4.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Copper		**10.2**	**ug/L**			**10.0**	10.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Iron		**10100**	**ug/L**		N J	**50.0**	50.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Lead		**36.4**	**ug/L**		J	**5.0**	5.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Magnesium		**5550**	**ug/L**		J	**200**	200	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Manganese		**2940**	**ug/L**		N J	**3.0**	3.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Potassium	<	500	ug/L	U		500	500	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/12/2006	11:18:07	LEEMAN PS2	L21212Tx	CV
Sodium	<	**13100**	**ug/L**	U		**1000**	1000	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:39	SUPERTRACE2	A121306	P
Vanadium		**80.0**	**ug/L**		J	**5.0**	5.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P
Zinc		**67.3**	**ug/L**		N J	**10.0**	10.0	**1**	**12/13/2006**	**12:39**	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72201 **Client ID:** SUBSURFACE COMP 1

Matrix: SOIL **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 87 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**6690**	**mg/Kg**		**E***	**10.9**	10.9	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Antimony	<	16.4	mg/Kg	U	*	16.4	16.4	1	12/18/2006	13:42	SUPERTRACE	1121806	P
Arsenic		**17.7**	**mg/Kg**			**2.2**	2.2	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Barium		**142**	**mg/Kg**		**N**	**0.55**	0.55	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Beryllium		**1.0**	**mg/Kg**		**E**	**0.22**	0.22	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Cadmium		**3.7**	**mg/Kg**		**E**	**0.22**	0.22	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Calcium		**55000**	**mg/Kg**		*	**54.5**	54.5	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Chromium		**377**	**mg/Kg**		**E***	**0.55**	0.55	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Cobalt		**3.6**	**mg/Kg**		**E**	**0.55**	0.55	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Copper		**60.0**	**mg/Kg**		**N***	**1.1**	1.1	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Iron		**56000**	**mg/Kg**		*	**10.9**	10.9	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Lead		**185**	**mg/Kg**		**NE***	**1.1**	1.1	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Magnesium		**12700**	**mg/Kg**		**E**	**21.8**	21.8	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Manganese		**10400**	**mg/Kg**		*	**2.2**	2.2	**10**	**12/21/2006**	**10:28**	SUPERTRACE	1122006	P
Nickel		**24.1**	**mg/Kg**		**NE***	**0.55**	0.55	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Potassium		**666**	**mg/Kg**		**N**	**32.7**	32.7	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Selenium	<	4.4	mg/Kg	U		4.4	4.4	1	12/18/2006	13:42	SUPERTRACE	1121806	P
Silver	<	0.55	mg/Kg	U		0.55	0.55	1	12/18/2006	13:42	SUPERTRACE	1121806	P
Mercury		**0.173**	**mg/Kg**			**0.018**	0.018	**1**	**12/19/2006**	**12:25:21**	LEEMAN PS2	L21219Sy	CV
Sodium		**240**	**mg/Kg**			**153**	153	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Thallium	<	6.5	mg/Kg	U	N	6.5	6.5	1	12/18/2006	13:42	SUPERTRACE	1121806	P
Vanadium		**262**	**mg/Kg**		**NE**	**0.55**	0.55	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P
Zinc		**591**	**mg/Kg**		**NE***	**1.1**	1.1	**1**	**12/18/2006**	**13:42**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72201-SPLP **Client ID:** SUBSURFACE COMP 1-SPLP

Matrix: WATER **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B31756 **Prep Date:** 12/11/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**1320**	**ug/L**			**200**	200	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	11:38	SUPERTRACE2	A121306	P
Arsenic		**11.4**	**ug/L**			**10.0**	10.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Barium		**42.5**	**ug/L**			**2.0**	2.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/13/2006	11:38	SUPERTRACE2	A121306	P
Cadmium		**1.1**	**ug/L**			**1.0**	1.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Calcium		**20200**	**ug/L**		N J	**500**	500	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Chromium		**14.7**	**ug/L**			**4.0**	4.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/13/2006	11:38	SUPERTRACE2	A121306	P
Copper		**16.1**	**ug/L**			**10.0**	10.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Iron		**4190**	**ug/L**		N J	**50.0**	50.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Lead		**92.3**	**ug/L**			**5.0**	5.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Magnesium		**2930**	**ug/L**			**200**	200	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Manganese		**364**	**ug/L**		N J	**3.0**	3.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	11:38	SUPERTRACE2	A121306	P
Potassium		**642**	**ug/L**			**500**	500	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/13/2006	11:38	SUPERTRACE2	A121306	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/13/2006	11:38	SUPERTRACE2	A121306	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/12/2006	11:05:23	LEEMAN PS2	L21212Tx	CV
Sodium	<	**23800**	**ug/L**	U		~~1000~~	1000	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	11:38	SUPERTRACE2	A121306	P
Vanadium		**59.8**	**ug/L**			**5.0**	5.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P
Zinc		**158**	**ug/L**		N	**10.0**	10.0	**1**	**12/13/2006**	**11:38**	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72202 **Client ID:** SUBSURFACE COMP 2

Matrix: SOIL **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 86 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**8860**	**mg/Kg**		**E*** J	**11.8**	11.8	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Antimony	<	17.6	mg/Kg	U	*	17.6	17.6	1	12/18/2006	13:47	SUPERTRACE	1121806	P
Arsenic		**4.3**	**mg/Kg**			**2.4**	2.4	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Barium		**79.7**	**mg/Kg**		**N** J	**0.59**	0.59	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Beryllium		**1.6**	**mg/Kg**		**E** J	**0.24**	0.24	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Cadmium		**2.3**	**mg/Kg**		**E** J	**0.24**	0.24	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Calcium		**203000**	**mg/Kg**		*	**1180**	1180	**20**	**12/19/2006**	**13:49**	SUPERTRACE	112190x	P
Chromium		**508**	**mg/Kg**		**E*** J	**0.59**	0.59	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Cobalt		**2.0**	**mg/Kg**		**E** J	**0.59**	0.59	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Copper		**50.0**	**mg/Kg**		**N*** J	**1.2**	1.2	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Iron		**117000**	**mg/Kg**		*	**235**	235	**20**	**12/19/2006**	**13:49**	SUPERTRACE	112190x	P
Lead		**62.5**	**mg/Kg**		**NE*** J	**1.2**	1.2	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Magnesium		**24400**	**mg/Kg**		**E** J	**23.5**	23.5	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Manganese		**20400**	**mg/Kg**		*	**4.6**	4.6	**20**	**12/21/2006**	**10:46**	SUPERTRACE	1122006	P
Nickel		**32.0**	**mg/Kg**		**NE*** J	**0.59**	0.59	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Potassium		**482**	**mg/Kg**		**N**	**35.3**	35.3	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Selenium	<	4.7	mg/Kg	U		4.7	4.7	1	12/18/2006	13:47	SUPERTRACE	1121806	P
Silver	<	0.59	mg/Kg	U		0.59	0.59	1	12/18/2006	13:47	SUPERTRACE	1121806	P
Mercury		**0.056**	**mg/Kg**		J	**0.019**	0.019	**1**	**12/19/2006**	**12:26:53**	LEEMAN PS2	L21219Sy	CV
Sodium		**169**	**mg/Kg**			**165**	165	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Thallium	<	7.1	mg/Kg	U	N J	7.1	7.1	1	12/18/2006	13:47	SUPERTRACE	1121806	P
Vanadium		**400**	**mg/Kg**		**NE** J	**0.59**	0.59	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P
Zinc		**225**	**mg/Kg**		**NE*** J	**1.2**	1.2	**1**	**12/18/2006**	**13:47**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72202-SPLP **Client ID:** SUBSURFACE COMP 2-SPLP

Matrix: WATER **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B31756 **Prep Date:** 12/11/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**401**	**ug/L**		J	**200**	200	**1**	**12/13/2006**	**11:44**	SUPERTRACE2	A121306	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Barium		**130**	**ug/L**		J	**2.0**	2.0	**1**	**12/13/2006**	**11:44**	SUPERTRACE2	A121306	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Calcium		**250000**	**ug/L**		N J	**500**	500	**1**	**12/13/2006**	**11:44**	SUPERTRACE2	A121306	P
Chromium		**16.1**	**ug/L**		J	**4.0**	4.0	**1**	**12/13/2006**	**11:44**	SUPERTRACE2	A121306	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Iron	<	50.0	ug/L	U	N J	50.0	50.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Lead	<	5.0	ug/L	U	J	5.0	5.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Magnesium	<	200	ug/L	U	J	200	200	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Manganese	<	**4.5**	**ug/L**	U	N J	**3.0**	~~3.0~~	**1**	**12/13/2006**	**11:44**	SUPERTRACE2	A121306	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Potassium	<	500	ug/L	U		500	500	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/12/2006	11:06:33	LEEMAN PS2	L21212Tx	CV
Sodium	<	**9850**	**ug/L**	U		~~1000~~	1000	**1**	**12/13/2006**	**11:44**	SUPERTRACE2	A121306	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Vanadium	<	5.0	ug/L	U	J	5.0	5.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P
Zinc	<	10.0	ug/L	U	N J	10.0	10.0	1	12/13/2006	11:44	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72203 **Client ID:** SUBSURFACE COMP 3

Matrix: SOIL **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 89 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**16600**	**mg/Kg**		**E*** J	**11.4**	11.4	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Antimony	<	17.1	mg/Kg	U	*	17.1	17.1	1	12/18/2006	13:52	SUPERTRACE	1121806	P
Arsenic		**11.2**	**mg/Kg**			**2.3**	2.3	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Barium		**124**	**mg/Kg**		**N** J	**0.57**	0.57	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Beryllium		**3.2**	**mg/Kg**		**E** J	**0.23**	0.23	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Cadmium		**2.9**	**mg/Kg**		**E** J	**0.23**	0.23	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Calcium		**132000**	**mg/Kg**		*	**286**	286	**5**	**12/19/2006**	**13:54**	SUPERTRACE	112190x	P
Chromium		**199**	**mg/Kg**		**E*** J	**0.57**	0.57	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Cobalt		**5.6**	**mg/Kg**		**E**	**0.57**	0.57	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Copper		**42.9**	**mg/Kg**		**N*** J	**1.1**	1.1	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Iron		**184000**	**mg/Kg**		*	**57.2**	57.2	**5**	**12/19/2006**	**13:54**	SUPERTRACE	112190x	P
Lead		**112**	**mg/Kg**		**NE*** J	**1.1**	1.1	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Magnesium		**20500**	**mg/Kg**		**E** J	**22.9**	22.9	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Manganese		**7410**	**mg/Kg**		*	**1.1**	1.1	**5**	**12/21/2006**	**10:51**	SUPERTRACE	1122006	P
Nickel		**36.1**	**mg/Kg**		**NE*** J	**0.57**	0.57	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Potassium		**1140**	**mg/Kg**		**N**	**34.3**	34.3	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Selenium	<	4.6	mg/Kg	U		4.6	4.6	1	12/18/2006	13:52	SUPERTRACE	1121806	P
Silver	<	0.57	mg/Kg	U		0.57	0.57	1	12/18/2006	13:52	SUPERTRACE	1121806	P
Mercury		**0.166**	**mg/Kg**			**0.018**	0.018	**1**	**12/19/2006**	**12:28:16**	LEEMAN PS2	L21219Sy	CV
Sodium		**471**	**mg/Kg**			**160**	160	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Thallium	<	6.9	mg/Kg	U	N	6.9	6.9	1	12/18/2006	13:52	SUPERTRACE	1121806	P
Vanadium		**94.0**	**mg/Kg**		**NE** J	**0.57**	0.57	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P
Zinc		**81.5**	**mg/Kg**		**NE*** J	**1.1**	1.1	**1**	**12/18/2006**	**13:52**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72203-SPLP **Client ID:** SUBSURFACE COMP 3-SPLP

Matrix: WATER **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B31756 **Prep Date:** 12/11/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum	<	200	ug/L	U		200	200	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Barium	<	**16.4**	**ug/L**	U		~~2.0~~	~~2.0~~	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Calcium		**22900**	**ug/L**		N	J **500**	500	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Chromium	<	4.0	ug/L	U		4.0	4.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Iron		**485**	**ug/L**		N	J **50.0**	50.0	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Magnesium		**2080**	**ug/L**			**200**	200	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Manganese		**41.3**	**ug/L**		N	J **3.0**	3.0	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Potassium		**558**	**ug/L**			**500**	500	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/12/2006	11:07:54	LEEMAN PS2	L21212Tx	CV
Sodium	<	**18000**	**ug/L**	U		~~1000~~	1000	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P
Vanadium		**15.9**	**ug/L**			**5.0**	5.0	**1**	**12/14/2006**	**14:15**	SUPERTRACE2	A121406	P
Zinc	<	10.0	ug/L	U	N	10.0	10.0	1	12/14/2006	14:15	SUPERTRACE2	A121406	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72204 **Client ID:** SUBSURFACE COMP 4

Matrix: SOIL **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 90 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**18400**	**mg/Kg**		J	**10.5**	10.5	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Antimony	<	15.7	mg/Kg	U		15.7	15.7	1	12/14/2006	04:58	SUPERTRACE2	A121306R2	P
Arsenic	<	2.1	mg/Kg	U		2.1	2.1	1	12/14/2006	04:58	SUPERTRACE2	A121306R2	P
Barium		**109**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Beryllium		**4.2**	**mg/Kg**		J	**0.21**	0.21	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Cadmium	<	0.21	mg/Kg	U	J	0.21	0.21	1	12/14/2006	04:58	SUPERTRACE2	A121306R2	P
Calcium		**244000**	**mg/Kg**			**524**	524	**10**	**12/18/2006**	**11:12**	SUPERTRACE2	A121806	P
Chromium		**115**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Cobalt		**0.71**	**mg/Kg**			**0.52**	0.52	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Copper		**16.4**	**mg/Kg**		J	**1.0**	1.0	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Iron		**23300**	**mg/Kg**			**10.5**	10.5	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Lead		**15.2**	**mg/Kg**		J	**1.0**	1.0	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Magnesium		**33300**	**mg/Kg**		J	**21.0**	21.0	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Manganese		**11700**	**mg/Kg**			**2.1**	2.1	**10**	**12/18/2006**	**11:12**	SUPERTRACE2	A121806	P
Nickel		**7.7**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Potassium		**1840**	**mg/Kg**			**31.4**	31.4	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Selenium	<	4.2	mg/Kg	U		4.2	4.2	1	12/14/2006	04:58	SUPERTRACE2	A121306R2	P
Silver		**0.61**	**mg/Kg**			**0.57**	0.57	**1**	**12/18/2006**	**19:06**	SUPERTRACE2	A121806R2	P
Mercury		**0.082**	**mg/Kg**			**0.017**	0.017	**1**	**12/19/2006**	**12:36:45**	LEEMAN PS2	L21219Sy	CV
Sodium		**880**	**mg/Kg**			**147**	147	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Thallium	<	6.3	mg/Kg	U		6.3	6.3	1	12/14/2006	04:58	SUPERTRACE2	A121306R2	P
Vanadium		**98.5**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P
Zinc		**48.0**	**mg/Kg**		J	**1.0**	1.0	**1**	**12/14/2006**	**04:58**	SUPERTRACE2	A121306R2	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72204-SPLP **Client ID:** SUBSURFACE COMP 4-SPLP

Matrix: WATER **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B31756 **Prep Date:** 12/11/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**2150**	**ug/L**			**200**	200	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Barium	<	**29.1**	**ug/L**	U		**2.0**	~~2.0~~	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Calcium		**85100**	**ug/L**		N	J **500**	500	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Chromium		**26.0**	**ug/L**			**4.0**	4.0	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Copper		**13.2**	**ug/L**			**10.0**	10.0	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Iron		**6990**	**ug/L**		N	J **50.0**	50.0	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Lead		**25.1**	**ug/L**			**5.0**	5.0	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Magnesium		**3060**	**ug/L**			**200**	200	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Manganese		**708**	**ug/L**		N	J **3.0**	3.0	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Potassium	<	500	ug/L	U		500	500	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/12/2006	11:14:09	LEEMAN PS2	L21212Tx	CV
Sodium	<	**14100**	**ug/L**	U		~~1000~~	1000	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:25	SUPERTRACE2	A121306	P
Vanadium		**76.3**	**ug/L**			**5.0**	5.0	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P
Zinc		**98.3**	**ug/L**		N	**10.0**	10.0	**1**	**12/13/2006**	**12:25**	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72205 **Client ID:** SUBSURFACE COMP 5

Matrix: SOIL **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 91 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**4520**	**mg/Kg**		J	**11.0**	11.0	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Antimony	<	16.5	mg/Kg	U	J	16.5	16.5	1	12/14/2006	05:03	SUPERTRACE2	A121306R2	P
Arsenic		**6.6**	**mg/Kg**			**2.2**	2.2	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Barium		**47.5**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Beryllium		**0.74**	**mg/Kg**		J	**0.22**	0.22	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Cadmium	<	0.22	mg/Kg	U	J	0.22	0.22	1	12/14/2006	05:03	SUPERTRACE2	A121306R2	P
Calcium		**103000**	**mg/Kg**			**550**	550	**10**	**12/18/2006**	**11:17**	SUPERTRACE2	A121806	P
Chromium		**200**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Cobalt		**2.6**	**mg/Kg**			**0.55**	0.55	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Copper		**37.5**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Iron		**52500**	**mg/Kg**			**11.0**	11.0	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Lead		**62.6**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Magnesium		**17400**	**mg/Kg**		J	**22.0**	22.0	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Manganese		**9290**	**mg/Kg**			**2.2**	2.2	**10**	**12/18/2006**	**11:17**	SUPERTRACE2	A121806	P
Nickel		**32.0**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Potassium		**365**	**mg/Kg**			**33.0**	33.0	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Selenium	<	4.4	mg/Kg	U		4.4	4.4	1	12/14/2006	05:03	SUPERTRACE2	A121306R2	P
Silver		**0.95**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**19:11**	SUPERTRACE2	A121806R2	P
Mercury		**0.066**	**mg/Kg**			**0.018**	0.018	**1**	**12/19/2006**	**12:38:18**	LEEMAN PS2	L21219Sy	CV
Sodium		**205**	**mg/Kg**			**154**	154	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Thallium	<	6.6	mg/Kg	U		6.6	6.6	1	12/14/2006	05:03	SUPERTRACE2	A121306R2	P
Vanadium		**154**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P
Zinc		**465**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/14/2006**	**05:03**	SUPERTRACE2	A121306R2	P

Comments:

STL BUFFALO

Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72205-SPLP **Client ID:** SUBSURFACE COMP 5-SPLP

Matrix: WATER **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B31756 **Prep Date:** 12/11/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**1820**	**ug/L**		* J	**200**	200	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Barium		**32.4**	**ug/L**			**2.0**	2.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Beryllium	<	2.0	ug/L	U	* J	2.0	2.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Cadmium	<	1.0	ug/L	U	* J	1.0	1.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Calcium		**273000**	**ug/L**		N J	**500**	500	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Chromium		**39.8**	**ug/L**		* J	**4.0**	4.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Copper		**22.2**	**ug/L**		* J	**10.0**	10.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Iron		**9450**	**ug/L**		N J	**50.0**	50.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Lead		**42.9**	**ug/L**		* J	**5.0**	5.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Magnesium		**3300**	**ug/L**			**200**	200	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Manganese		**1310**	**ug/L**		N J	**3.0**	3.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Potassium		**540**	**ug/L**			**500**	500	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/12/2006	11:15:32	LEEMAN PS2	L21212Tx	CV
Sodium	<	**9020**	**ug/L**	U		**1000**	1000	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:30	SUPERTRACE2	A121306	P
Vanadium		**40.9**	**ug/L**			**5.0**	5.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P
Zinc		**70.9**	**ug/L**		N	**10.0**	10.0	**1**	**12/13/2006**	**12:30**	SUPERTRACE2	A121306	P

Comments: * qualifies removed JL 4-12-07

STL BUFFALO

Turnkey Environmental Restoration,LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72206 **Client ID:** SUBSURFACE COMP 6

Matrix: SOIL **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 87 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**6140**	**mg/Kg**		J	**11.6**	11.6	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Antimony	<	17.3	mg/Kg	U		17.3	17.3	1	12/14/2006	05:08	SUPERTRACE2	A121306R2	P
Arsenic		**9.2**	**mg/Kg**			**2.3**	2.3	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Barium		**62.1**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Beryllium		**0.84**	**mg/Kg**		J	**0.23**	0.23	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Cadmium		**1.0**	**mg/Kg**		J	**0.23**	0.23	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Calcium		**84700**	**mg/Kg**			**578**	578	**10**	**12/18/2006**	**11:22**	SUPERTRACE2	A121806	P
Chromium		**207**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Cobalt		**5.3**	**mg/Kg**			**0.58**	0.58	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Copper		**104**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Iron		**65000**	**mg/Kg**			**11.6**	11.6	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Lead		**224**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Magnesium		**10200**	**mg/Kg**		J	**23.1**	23.1	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Manganese		**6510**	**mg/Kg**			**2.3**	2.3	**10**	**12/18/2006**	**11:22**	SUPERTRACE2	A121806	P
Nickel		**110**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Potassium		**485**	**mg/Kg**			**34.7**	34.7	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Selenium		**5.1**	**mg/Kg**			**4.6**	4.6	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Silver		**0.71**	**mg/Kg**			**0.58**	0.58	**1**	**12/18/2006**	**19:16**	SUPERTRACE2	A121806R2	P
Mercury		**0.988**	**mg/Kg**			**0.185**	0.185	**10**	**12/19/2006**	**13:32:13**	LEEMAN PS2	L21219Sy	CV
Sodium		**344**	**mg/Kg**			**162**	162	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Thallium	<	6.9	mg/Kg	U		6.9	6.9	1	12/14/2006	05:08	SUPERTRACE2	A121306R2	P
Vanadium		**78.9**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/14/2006**	**05:08**	SUPERTRACE2	A121306R2	P
Zinc		**2690**	**mg/Kg**		J	**11.6**	11.6	**10**	**12/18/2006**	**11:22**	SUPERTRACE2	A121806	P

Comments:

STL BUFFALO

Turnkey Environmental Restoration,LLC

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, **SDG No.:** A06-E722 **Method Type:**

Sample ID: A6E72206-SPLP **Client ID:** SUBSURFACE COMP 6-SPLP

Matrix: WATER **Date Received:** 12/8/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B31756 **Prep Date:** 12/11/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**1580**	**ug/L**			**200**	200	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Barium	<	**25.8**	**ug/L**	U		~~2.0~~	2.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Calcium		**47300**	**ug/L**		N	**500**	500	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Chromium		**35.6**	**ug/L**			**4.0**	4.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Copper		**39.9**	**ug/L**			~~10.0~~	10.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Iron		**10400**	**ug/L**		N	**50.0**	50.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Lead		**127**	**ug/L**			**5.0**	5.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Magnesium		**1980**	**ug/L**			~~200~~	200	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Manganese		**613**	**ug/L**		N	**3.0**	3.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Nickel		**37.9**	**ug/L**			**10.0**	10.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Potassium		**769**	**ug/L**			**500**	500	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Mercury		**0.610**	**ug/L**			**0.200**	0.200	**1**	**12/12/2006**	**11:16:44**	LEEMAN PS2	L21212Tx	CV
Sodium	<	**16500**	**ug/L**	U		~~1000~~	1000	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/13/2006	12:34	SUPERTRACE2	A121306	P
Vanadium		**69.3**	**ug/L**			**5.0**	5.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P
Zinc		**388**	**ug/L**		N	**10.0**	10.0	**1**	**12/13/2006**	**12:34**	SUPERTRACE2	A121306	P

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: BLIND DUP COMPOSITE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A6E72207

% Solids: 87.7 Date Samp/Recv: 12/06/2006 12/08/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	10				9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SUBSURFACE COMP 1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A6E72201

% Solids: 86.7 Date Samp/Recv: 12/06/2006 12/08/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.85	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SUBSURFACE COMP 2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A6E72202

% Solids: 85.9 Date Samp/Recv: 12/06/2006 12/08/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	3.9				9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SUBSURFACE COMP 3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A6E72203

% Solids: 88.5 Date Samp/Recv: 12/06/2006 12/08/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.67	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SUBSURFACE COMP 4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A6E72204

% Solids: 90.1 Date Samp/Recv: 12/06/2006 12/08/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.0	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SUBSURFACE COMP 5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A6E72205

% Solids: 91.3 Date Samp/Recv: 12/06/2006 12/08/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.5				9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SUBSURFACE COMP 6

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A6E72206

% Solids: 86.8 Date Samp/Recv: 12/06/2006 12/08/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.87	U			9012A	12/15/2006

Comments:

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP 1 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72816

Sample wt/vol: 30.67 (g/mL) G Lab File ID: U17785.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1700	U
208-96-8	Acenaphthylene	1000	J
98-86-2	Acetophenone	1700	U
120-12-7	Anthracene	1400	J
1912-24-9	Atrazine	1700	U
100-52-7	Benzaldehyde	1700	U
56-55-3	Benzo(a)anthracene	4000	
205-99-2	Benzo(b)fluoranthene	4400	
207-08-9	Benzo(k)fluoranthene	1900	
191-24-2	Benzo(ghi)perylene	1700	
50-32-8	Benzo(a)pyrene	3100	
92-52-4	Biphenyl	1700	U
111-91-1	Bis(2-chloroethoxy) methane	1700	U
111-44-4	Bis(2-chloroethyl) ether	1700	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1700	U
117-81-7	Bis(2-ethylhexyl) phthalate	1700	U
101-55-3	4-Bromophenyl phenyl ether	1700	U
85-68-7	Butyl benzyl phthalate	1700	U
105-60-2	Caprolactam	8500 ~~1700~~	U
106-47-8	4-Chloroaniline	1700	U
59-50-7	4-Chloro-3-methylphenol	1700	U
91-58-7	2-Chloronaphthalene	1700	U
95-57-8	2-Chlorophenol	1700	U
7005-72-3	4-Chlorophenyl phenyl ether	1700	U
86-74-8	Carbazole	420	J
218-01-9	Chrysene	3500	
53-70-3	Dibenzo(a,h)anthracene	550	J
132-64-9	Dibenzofuran	210	J
84-74-2	Di-n-butyl phthalate	1700	U
91-94-1	3,3'-Dichlorobenzidine	8500	U
120-83-2	2,4-Dichlorophenol	1700	U
84-66-2	Diethyl phthalate	1700	U

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP 1 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72816

Sample wt/vol: 30.67 (g/mL) G Lab File ID: U17785.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1700	U
131-11-3	Dimethyl phthalate	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	U
51-28-5	2,4-Dinitrophenol	8500	U
121-14-2	2,4-Dinitrotoluene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
117-84-0	Di-n-octyl phthalate	1700	U
206-44-0	Fluoranthene	8800	J
86-73-7	Fluorene	430	J
118-74-1	Hexachlorobenzene	1700	U
87-68-3	Hexachlorobutadiene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
67-72-1	Hexachloroethane	1700	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	J
78-59-1	Isophorone	1700	U
91-57-6	2-Methylnaphthalene	1700	U
95-48-7	2-Methylphenol	1700	U
106-44-5	4-Methylphenol	1700	U
91-20-3	Naphthalene	190	J
88-74-4	2-Nitroaniline	8500	U
99-09-2	3-Nitroaniline	8500	U
100-01-6	4-Nitroaniline	8500	U
98-95-3	Nitrobenzene	1700	U
88-75-5	2-Nitrophenol	1700	U
100-02-7	4-Nitrophenol	8500	U
86-30-6	N-nitrosodiphenylamine	1700	U
621-64-7	N-Nitroso-Di-n-propylamine	1700	U
87-86-5	Pentachlorophenol	8500	U
85-01-8	Phenanthrene	5400	J
108-95-2	Phenol	1700	U
129-00-0	Pyrene	6000	J
95-95-4	2,4,5-Trichlorophenol	4200	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP 1 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72816

Sample wt/vol: 30.67 (g/mL) G Lab File ID: U17785.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1700	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.

BLIND DUP 2 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72817

Sample wt/vol: 30.34 (g/mL) G Lab File ID: U17786.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1900	U
208-96-8	Acenaphthylene	1900	U
98-86-2	Acetophenone	1900	U
120-12-7	Anthracene	1900	U
1912-24-9	Atrazine	1900	U
100-52-7	Benzaldehyde	1900	U
56-55-3	Benzo(a)anthracene	140	J
205-99-2	Benzo(b)fluoranthene	220	J
207-08-9	Benzo(k)fluoranthene	100	J
191-24-2	Benzo(ghi)perylene	140	J
50-32-8	Benzo(a)pyrene	170	J
92-52-4	Biphenyl	1900	U
111-91-1	Bis(2-chloroethoxy) methane	1900	U
111-44-4	Bis(2-chloroethyl) ether	1900	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1900	U
117-81-7	Bis(2-ethylhexyl) phthalate	1900	U
101-55-3	4-Bromophenyl phenyl ether	1900	U
85-68-7	Butyl benzyl phthalate	1900	U
105-60-2	Caprolactam	9500 ~~1900~~	U
106-47-8	4-Chloroaniline	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-58-7	2-Chloronaphthalene	1900	U
95-57-8	2-Chlorophenol	1900	U
7005-72-3	4-Chlorophenyl phenyl ether	1900	U
86-74-8	Carbazole	1900	U
218-01-9	Chrysene	160	J
53-70-3	Dibenzo(a,h)anthracene	1900	U
132-64-9	Dibenzofuran	1900	U
84-74-2	Di-n-butyl phthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	9200	U
120-83-2	2,4-Dichlorophenol	1900	U
84-66-2	Diethyl phthalate	1900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP 2 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72817

Sample wt/vol: 30.34 (g/mL) G Lab File ID: U17786.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1900	U
131-11-3	Dimethyl phthalate	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	9200	U
51-28-5	2,4-Dinitrophenol	9200	U
121-14-2	2,4-Dinitrotoluene	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
117-84-0	Di-n-octyl phthalate	1900	U
206-44-0	Fluoranthene	170	J
86-73-7	Fluorene	1900	U
118-74-1	Hexachlorobenzene	1900	U
87-68-3	Hexachlorobutadiene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
67-72-1	Hexachloroethane	1900	U
193-39-5	Indeno(1,2,3-cd)pyrene	110	J
78-59-1	Isophorone	1900	U
91-57-6	2-Methylnaphthalene	1900	U
95-48-7	2-Methylphenol	1900	U
106-44-5	4-Methylphenol	1900	U
91-20-3	Naphthalene	1900	U
88-74-4	2-Nitroaniline	9200	U
99-09-2	3-Nitroaniline	9200	U
100-01-6	4-Nitroaniline	9200	U
98-95-3	Nitrobenzene	1900	U
88-75-5	2-Nitrophenol	1900	U
100-02-7	4-Nitrophenol	9200	U
86-30-6	N-nitrosodiphenylamine	1900	U
621-64-7	N-Nitroso-Di-n-propylamine	1900	U
87-86-5	Pentachlorophenol	9200	U
85-01-8	Phenanthrene	1900	U
108-95-2	Phenol	1900	U
129-00-0	Pyrene	140	J
95-95-4	2,4,5-Trichlorophenol	4600	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72601__

Sample wt/vol: 30.97 (g/mL) G Lab File ID: W13623.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 26 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	430	U
208-96-8	Acenaphthylene	150	J
98-86-2	Acetophenone	430	U
120-12-7	Anthracene	100	J
1912-24-9	Atrazine	430	U
100-52-7	Benzaldehyde	430	U
56-55-3	Benzo(a)anthracene	430	
205-99-2	Benzo(b)fluoranthene	630	
207-08-9	Benzo(k)fluoranthene	190	J
191-24-2	Benzo(ghi)perylene	340	J
50-32-8	Benzo(a)pyrene	460	
92-52-4	Biphenyl	430	U
111-91-1	Bis(2-chloroethoxy) methane	430	U
111-44-4	Bis(2-chloroethyl) ether	430	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	430	U
117-81-7	Bis(2-ethylhexyl) phthalate	430	U
101-55-3	4-Bromophenyl phenyl ether	430	U
85-68-7	Butyl benzyl phthalate	430	U
105-60-2	Caprolactam	2100 ~~430~~	U
106-47-8	4-Chloroaniline	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-58-7	2-Chloronaphthalene	430	U
95-57-8	2-Chlorophenol	430	U
7005-72-3	4-Chlorophenyl phenyl ether	430	U
86-74-8	Carbazole	34	J
218-01-9	Chrysene	390	J
53-70-3	Dibenzo(a,h)anthracene	100	J
132-64-9	Dibenzofuran	55	J
84-74-2	Di-n-butyl phthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	2100	U
120-83-2	2,4-Dichlorophenol	430	U
84-66-2	Diethyl phthalate	430	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

BLIND DUP 2 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72817

Sample wt/vol: 30.34 (g/mL) G Lab File ID: U17786.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72601

Sample wt/vol: 30.97 (g/mL) G Lab File ID: W13623.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 26 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	430	U
131-11-3	Dimethyl phthalate	430	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
51-28-5	2,4-Dinitrophenol	2100	U
121-14-2	2,4-Dinitrotoluene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
117-84-0	Di-n-octyl phthalate	430	U
206-44-0	Fluoranthene	680	
86-73-7	Fluorene	47	J
118-74-1	Hexachlorobenzene	430	U
87-68-3	Hexachlorobutadiene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
67-72-1	Hexachloroethane	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
78-59-1	Isophorone	430	U
91-57-6	2-Methylnaphthalene	86	J
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	240	J
88-74-4	2-Nitroaniline	2100	U
99-09-2	3-Nitroaniline	2100	U
100-01-6	4-Nitroaniline	2100	U
98-95-3	Nitrobenzene	430	U
88-75-5	2-Nitrophenol	430	U
100-02-7	4-Nitrophenol	2100	U
86-30-6	N-nitrosodiphenylamine	430	U
621-64-7	N-Nitroso-Di-n-propylamine	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	350	J
108-95-2	Phenol	430	U
129-00-0	Pyrene	560	
95-95-4	2,4,5-Trichlorophenol	1000	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72601__

Sample wt/vol: 30.97 (g/mL) G Lab File ID: W13623.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: ___26 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: ___1.00 (uL) Dilution Factor: ___1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	430	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72602

Sample wt/vol: 30.43 (g/mL) G Lab File ID: W13624.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	23	J
208-96-8	Acenaphthylene	110	J
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	75	J
1912-24-9	Atrazine	360	U
100-52-7	Benzaldehyde	360	U
56-55-3	Benzo(a)anthracene	420	
205-99-2	Benzo(b)fluoranthene	720	
207-08-9	Benzo(k)fluoranthene	230	J
191-24-2	Benzo(ghi)perylene	430	
50-32-8	Benzo(a)pyrene	530	
92-52-4	Biphenyl	360	U
111-91-1	Bis(2-chloroethoxy) methane	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
117-81-7	Bis(2-ethylhexyl) phthalate	360	U
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	1800 ~~360~~	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
86-74-8	Carbazole	24	J
218-01-9	Chrysene	420	
53-70-3	Dibenzo(a,h)anthracene	110	J
132-64-9	Dibenzofuran	22	J
84-74-2	Di-n-butyl phthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.: SWF-SS-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72602

Sample wt/vol: 30.43 (g/mL) G Lab File ID: W13624.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	360	U
131-11-3	Dimethyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	Fluoranthene	620	
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
67-72-1	Hexachloroethane	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	24	J
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	44	J
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	360	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	360	U
621-64-7	N-Nitroso-Di-n-propylamine	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	220	J
108-95-2	Phenol	360	U
129-00-0	Pyrene	520	
95-95-4	2,4,5-Trichlorophenol	880	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72602

Sample wt/vol: 30.43 (g/mL) G Lab File ID: W13624.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.: SWF-SS-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72603

Sample wt/vol: 30.87 (g/mL) G Lab File ID: W13625.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	3600	U
208-96-8	Acenaphthylene	740	J
98-86-2	Acetophenone	3600	U
120-12-7	Anthracene	930	J
1912-24-9	Atrazine	3600	U
100-52-7	Benzaldehyde	3600	U
56-55-3	Benzo(a)anthracene	3300	J
205-99-2	Benzo(b)fluoranthene	4700	
207-08-9	Benzo(k)fluoranthene	1400	J
191-24-2	Benzo(ghi)perylene	2700	J
50-32-8	Benzo(a)pyrene	3400	J
92-52-4	Biphenyl	3600	U
111-91-1	Bis(2-chloroethoxy) methane	3600	U
111-44-4	Bis(2-chloroethyl) ether	3600	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	3600	U
117-81-7	Bis(2-ethylhexyl) phthalate	3600	U
101-55-3	4-Bromophenyl phenyl ether	3600	U
85-68-7	Butyl benzyl phthalate	3600	U
105-60-2	Caprolactam	18,000 ~~3600~~	U
106-47-8	4-Chloroaniline	3600	U
59-50-7	4-Chloro-3-methylphenol	3600	U
91-58-7	2-Chloronaphthalene	3600	U
95-57-8	2-Chlorophenol	3600	U
7005-72-3	4-Chlorophenyl phenyl ether	3600	U
86-74-8	Carbazole	460	J
218-01-9	Chrysene	3300	J
53-70-3	Dibenzo(a,h)anthracene	640	J
132-64-9	Dibenzofuran	270	J
84-74-2	Di-n-butyl phthalate	3600	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
120-83-2	2,4-Dichlorophenol	3600	U
84-66-2	Diethyl phthalate	3600	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72603

Sample wt/vol: 30.87 (g/mL) G Lab File ID: W13625.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	3600	U
131-11-3	Dimethyl phthalate	3600	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	U
51-28-5	2,4-Dinitrophenol	17000	U
121-14-2	2,4-Dinitrotoluene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
117-84-0	Di-n-octyl phthalate	3600	U
206-44-0	Fluoranthene	6100	
86-73-7	Fluorene	270	J
118-74-1	Hexachlorobenzene	3600	U
87-68-3	Hexachlorobutadiene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
67-72-1	Hexachloroethane	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	2400	J
78-59-1	Isophorone	3600	U
91-57-6	2-Methylnaphthalene	3600	U
95-48-7	2-Methylphenol	3600	U
106-44-5	4-Methylphenol	3600	U
91-20-3	Naphthalene	480	J
88-74-4	2-Nitroaniline	17000	U
99-09-2	3-Nitroaniline	17000	U
100-01-6	4-Nitroaniline	17000	U
98-95-3	Nitrobenzene	3600	U
88-75-5	2-Nitrophenol	3600	U
100-02-7	4-Nitrophenol	17000	U
86-30-6	N-nitrosodiphenylamine	3600	U
621-64-7	N-Nitroso-Di-n-propylamine	3600	U
87-86-5	Pentachlorophenol	17000	U
85-01-8	Phenanthrene	3300	J
108-95-2	Phenol	3600	U
129-00-0	Pyrene	4600	
95-95-4	2,4,5-Trichlorophenol	8700	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72603

Sample wt/vol: 30.87 (g/mL) G Lab File ID: W13625.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	3600	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72604

Sample wt/vol: 30.70 (g/mL) G Lab File ID: W13626.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	390	U
208-96-8	Acenaphthylene	76	J
98-86-2	Acetophenone	390	U
120-12-7	Anthracene	33	J
1912-24-9	Atrazine	390	U
100-52-7	Benzaldehyde	390	U
56-55-3	Benzo(a)anthracene	220	J
205-99-2	Benzo(b)fluoranthene	420	
207-08-9	Benzo(k)fluoranthene	110	J
191-24-2	Benzo(ghi)perylene	230	J
50-32-8	Benzo(a)pyrene	300	J
92-52-4	Biphenyl	390	U
111-91-1	Bis(2-chloroethoxy) methane	390	U
111-44-4	Bis(2-chloroethyl) ether	390	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	390	U
117-81-7	Bis(2-ethylhexyl) phthalate	390	U
101-55-3	4-Bromophenyl phenyl ether	390	U
85-68-7	Butyl benzyl phthalate	390	U
105-60-2	Caprolactam	1900 ~~390~~	U
106-47-8	4-Chloroaniline	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-58-7	2-Chloronaphthalene	390	U
95-57-8	2-Chlorophenol	390	U
7005-72-3	4-Chlorophenyl phenyl ether	390	U
86-74-8	Carbazole	390	U
218-01-9	Chrysene	230	J
53-70-3	Dibenzo(a,h)anthracene	62	J
132-64-9	Dibenzofuran	21	J
84-74-2	Di-n-butyl phthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
120-83-2	2,4-Dichlorophenol	390	U
84-66-2	Diethyl phthalate	390	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72604

Sample wt/vol: 30.70 (g/mL) G Lab File ID: W13626.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	390	U
131-11-3	Dimethyl phthalate	390	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
51-28-5	2,4-Dinitrophenol	1900	U
121-14-2	2,4-Dinitrotoluene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
117-84-0	Di-n-octyl phthalate	390	U
206-44-0	Fluoranthene	270	J
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-68-3	Hexachlorobutadiene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
67-72-1	Hexachloroethane	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
78-59-1	Isophorone	390	U
91-57-6	2-Methylnaphthalene	52	J
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	60	J
88-74-4	2-Nitroaniline	1900	U
99-09-2	3-Nitroaniline	1900	U
100-01-6	4-Nitroaniline	1900	U
98-95-3	Nitrobenzene	390	U
88-75-5	2-Nitrophenol	390	U
100-02-7	4-Nitrophenol	1900	U
86-30-6	N-nitrosodiphenylamine	390	U
621-64-7	N-Nitroso-Di-n-propylamine	390	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	89	J
108-95-2	Phenol	390	U
129-00-0	Pyrene	240	J
95-95-4	2,4,5-Trichlorophenol	940	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72604

Sample wt/vol: 30.70 (g/mL) G Lab File ID: W13626.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	390	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-05

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72605

Sample wt/vol: 30.26 (g/mL) G Lab File ID: W13627.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	370	U
208-96-8	Acenaphthylene	65	J
98-86-2	Acetophenone	370	U
120-12-7	Anthracene	82	J
1912-24-9	Atrazine	370	U
100-52-7	Benzaldehyde	370	U
56-55-3	Benzo(a)anthracene	400	
205-99-2	Benzo(b)fluoranthene	620	
207-08-9	Benzo(k)fluoranthene	220	J
191-24-2	Benzo(ghi)perylene	350	J
50-32-8	Benzo(a)pyrene	460	
92-52-4	Biphenyl	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
117-81-7	Bis(2-ethylhexyl) phthalate	370	U
101-55-3	4-Bromophenyl phenyl ether	370	U
85-68-7	Butyl benzyl phthalate	370	U
105-60-2	Caprolactam	400 ~~370~~	U
106-47-8	4-Chloroaniline	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-58-7	2-Chloronaphthalene	370	U
95-57-8	2-Chlorophenol	370	U
7005-72-3	4-Chlorophenyl phenyl ether	370	U
86-74-8	Carbazole	41	J
218-01-9	Chrysene	370	
53-70-3	Dibenzo(a,h)anthracene	100	J
132-64-9	Dibenzofuran	370	U
84-74-2	Di-n-butyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	370	U
84-66-2	Diethyl phthalate	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-05

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72605

Sample wt/vol: 30.26 (g/mL) G Lab File ID: W13627.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	370	U
131-11-3	Dimethyl phthalate	370	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
117-84-0	Di-n-octyl phthalate	370	U
206-44-0	Fluoranthene	570	
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-68-3	Hexachlorobutadiene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
67-72-1	Hexachloroethane	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
78-59-1	Isophorone	370	U
91-57-6	2-Methylnaphthalene	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	22	J
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	370	U
88-75-5	2-Nitrophenol	370	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	370	U
621-64-7	N-Nitroso-Di-n-propylamine	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	200	J
108-95-2	Phenol	370	U
129-00-0	Pyrene	440	
95-95-4	2,4,5-Trichlorophenol	890	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-05

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72605__

Sample wt/vol: 30.26 (g/mL) G Lab File ID: W13627.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: ___11 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: ____1.00 (uL) Dilution Factor: ____1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72606

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W13628.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	370	U
208-96-8	Acenaphthylene	370	U
98-86-2	Acetophenone	370	U
120-12-7	Anthracene	370	U
1912-24-9	Atrazine	370	U
100-52-7	Benzaldehyde	370	U
56-55-3	Benzo(a)anthracene	44	J
205-99-2	Benzo(b)fluoranthene	93	J
207-08-9	Benzo(k)fluoranthene	31	J
191-24-2	Benzo(ghi)perylene	53	J
50-32-8	Benzo(a)pyrene	58	J
92-52-4	Biphenyl	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
117-81-7	Bis(2-ethylhexyl) phthalate	370	U
101-55-3	4-Bromophenyl phenyl ether	370	U
85-68-7	Butyl benzyl phthalate	370	U
105-60-2	Caprolactam	1800 ~~370~~	U
106-47-8	4-Chloroaniline	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-58-7	2-Chloronaphthalene	370	U
95-57-8	2-Chlorophenol	370	U
7005-72-3	4-Chlorophenyl phenyl ether	370	U
86-74-8	Carbazole	370	U
218-01-9	Chrysene	66	J
53-70-3	Dibenzo(a,h)anthracene	370	U
132-64-9	Dibenzofuran	370	U
84-74-2	Di-n-butyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	370	U
84-66-2	Diethyl phthalate	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72606

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W13628.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	370	U
131-11-3	Dimethyl phthalate	370	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
117-84-0	Di-n-octyl phthalate	370	U
206-44-0	Fluoranthene	70	J
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-68-3	Hexachlorobutadiene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
67-72-1	Hexachloroethane	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	47	J
78-59-1	Isophorone	370	U
91-57-6	2-Methylnaphthalene	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	370	U
88-75-5	2-Nitrophenol	370	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	370	U
621-64-7	N-Nitroso-Di-n-propylamine	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	370	U
108-95-2	Phenol	370	U
129-00-0	Pyrene	53	J
95-95-4	2,4,5-Trichlorophenol	900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72606

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W13628.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-07

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72607

Sample wt/vol: 30.16 (g/mL) G Lab File ID: W13629.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	35	J
208-96-8	Acenaphthylene	630	
98-86-2	Acetophenone	370	U
120-12-7	Anthracene	390	
1912-24-9	Atrazine	370	U
100-52-7	Benzaldehyde	370	U
56-55-3	Benzo(a)anthracene	1900	
205-99-2	Benzo(b)fluoranthene	2600	
207-08-9	Benzo(k)fluoranthene	1000	
191-24-2	Benzo(ghi)perylene	1200	
50-32-8	Benzo(a)pyrene	2000	
92-52-4	Biphenyl	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
117-81-7	Bis(2-ethylhexyl) phthalate	370	U
101-55-3	4-Bromophenyl phenyl ether	370	U
85-68-7	Butyl benzyl phthalate	370	U
105-60-2	Caprolactam	1900 ~~370~~	U
106-47-8	4-Chloroaniline	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-58-7	2-Chloronaphthalene	370	U
95-57-8	2-Chlorophenol	370	U
7005-72-3	4-Chlorophenyl phenyl ether	370	U
86-74-8	Carbazole	120	J
218-01-9	Chrysene	1700	
53-70-3	Dibenzo(a,h)anthracene	350	J
132-64-9	Dibenzofuran	75	J
84-74-2	Di-n-butyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	370	U
84-66-2	Diethyl phthalate	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-07

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72607

Sample wt/vol: 30.16 (g/mL) G Lab File ID: W13629.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	370	U
131-11-3	Dimethyl phthalate	370	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
117-84-0	Di-n-octyl phthalate	370	U
206-44-0	Fluoranthene	2900	J
86-73-7	Fluorene	80	J
118-74-1	Hexachlorobenzene	370	U
87-68-3	Hexachlorobutadiene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
67-72-1	Hexachloroethane	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
78-59-1	Isophorone	370	U
91-57-6	2-Methylnaphthalene	49	J
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	200	J
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	370	U
88-75-5	2-Nitrophenol	370	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	370	U
621-64-7	N-Nitroso-Di-n-propylamine	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	1000	J
108-95-2	Phenol	370	U
129-00-0	Pyrene	2300	J
95-95-4	2,4,5-Trichlorophenol	890	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-07

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72607__

Sample wt/vol: 30.16 (g/mL) G Lab File ID: W13629.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: ___10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: ___1.00 (uL) Dilution Factor: ___1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
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ANALYSIS DATA SHEET

Client No.: SWF-SS-08

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72608

Sample wt/vol: 30.01 (g/mL) G Lab File ID: W13630.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	39	J
208-96-8	Acenaphthylene	540	
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	460	
1912-24-9	Atrazine	360	U
100-52-7	Benzaldehyde	360	U
56-55-3	Benzo(a)anthracene	2000	
205-99-2	Benzo(b)fluoranthene	~~3600~~ 2000	J
207-08-9	Benzo(k)fluoranthene	~~360~~ 1600	~~U~~ J
191-24-2	Benzo(ghi)perylene	1200	
50-32-8	Benzo(a)pyrene	2000	
92-52-4	Biphenyl	360	U
111-91-1	Bis(2-chloroethoxy) methane	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
117-81-7	Bis(2-ethylhexyl) phthalate	360	U
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	1800 ~~360~~	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
86-74-8	Carbazole	240	J
218-01-9	Chrysene	1900	
53-70-3	Dibenzo(a,h)anthracene	350	J
132-64-9	Dibenzofuran	58	J
84-74-2	Di-n-butyl phthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-08

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72608

Sample wt/vol: 30.01 (g/mL) G Lab File ID: W13630.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	360	U
131-11-3	Dimethyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
51-28-5	2,4-Dinitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	Fluoranthene	3600	
86-73-7	Fluorene	89	J
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
67-72-1	Hexachloroethane	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	37	J
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	100	J
88-74-4	2-Nitroaniline	1700	U
99-09-2	3-Nitroaniline	1700	U
100-01-6	4-Nitroaniline	1700	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	360	U
100-02-7	4-Nitrophenol	1700	U
86-30-6	N-nitrosodiphenylamine	360	U
621-64-7	N-Nitroso-Di-n-propylamine	360	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	1500	
108-95-2	Phenol	360	U
129-00-0	Pyrene	2700	
95-95-4	2,4,5-Trichlorophenol	870	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-08

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72608

Sample wt/vol: 30.01 (g/mL) G Lab File ID: W13630.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	360	U

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ANALYSIS DATA SHEET

Client No.: SWF-SS-09

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72609

Sample wt/vol: 30.37 (g/mL) G Lab File ID: W13633.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	100	J
208-96-8	Acenaphthylene	190	J
98-86-2	Acetophenone	380	U
120-12-7	Anthracene	300	J
1912-24-9	Atrazine	380	U
100-52-7	Benzaldehyde	380	U
56-55-3	Benzo(a)anthracene	1000	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	440	
191-24-2	Benzo(ghi)perylene	690	
50-32-8	Benzo(a)pyrene	1100	
92-52-4	Biphenyl	380	U
111-91-1	Bis(2-chloroethoxy) methane	380	U
111-44-4	Bis(2-chloroethyl) ether	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
117-81-7	Bis(2-ethylhexyl) phthalate	380	U
101-55-3	4-Bromophenyl phenyl ether	380	U
85-68-7	Butyl benzyl phthalate	380	U
105-60-2	Caprolactam	1900 ~~380~~	U
106-47-8	4-Chloroaniline	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-58-7	2-Chloronaphthalene	380	U
95-57-8	2-Chlorophenol	380	U
7005-72-3	4-Chlorophenyl phenyl ether	380	U
86-74-8	Carbazole	160	J
218-01-9	Chrysene	960	
53-70-3	Dibenzo(a,h)anthracene	190	J
132-64-9	Dibenzofuran	60	J
84-74-2	Di-n-butyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	380	U
84-66-2	Diethyl phthalate	380	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-09

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72609

Sample wt/vol: 30.37 (g/mL) G Lab File ID: W13633.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	380	U
131-11-3	Dimethyl phthalate	380	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
117-84-0	Di-n-octyl phthalate	380	U
206-44-0	Fluoranthene	1900	
86-73-7	Fluorene	87	J
118-74-1	Hexachlorobenzene	380	U
87-68-3	Hexachlorobutadiene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
67-72-1	Hexachloroethane	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	620	
78-59-1	Isophorone	380	U
91-57-6	2-Methylnaphthalene	40	J
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	63	J
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	380	U
88-75-5	2-Nitrophenol	380	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	380	U
621-64-7	N-Nitroso-Di-n-propylamine	380	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	1000	
108-95-2	Phenol	380	U
129-00-0	Pyrene	1400	
95-95-4	2,4,5-Trichlorophenol	910	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-09

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72609

Sample wt/vol: 30.37 (g/mL) G Lab File ID: W13633.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/18/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	380	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.

SWF-SS-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72610

Sample wt/vol: 30.23 (g/mL) G Lab File ID: W13636.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	370	U
208-96-8	Acenaphthylene	28	J
98-86-2	Acetophenone	370	U
120-12-7	Anthracene	26	J
1912-24-9	Atrazine	370	U
100-52-7	Benzaldehyde	370	U
56-55-3	Benzo(a)anthracene	120	J
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	69	J
191-24-2	Benzo(ghi)perylene	120	J
50-32-8	Benzo(a)pyrene	140	J
92-52-4	Biphenyl	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
117-81-7	Bis(2-ethylhexyl) phthalate	370	U
101-55-3	4-Bromophenyl phenyl ether	370	U
85-68-7	Butyl benzyl phthalate	370	U
105-60-2	Caprolactam	1800 ~~370~~	U
106-47-8	4-Chloroaniline	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-58-7	2-Chloronaphthalene	370	U
95-57-8	2-Chlorophenol	370	U
7005-72-3	4-Chlorophenyl phenyl ether	370	U
86-74-8	Carbazole	370	U
218-01-9	Chrysene	120	J
53-70-3	Dibenzo(a,h)anthracene	29	J
132-64-9	Dibenzofuran	370	U
84-74-2	Di-n-butyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	370	U
84-66-2	Diethyl phthalate	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72610

Sample wt/vol: 30.23 (g/mL) G Lab File ID: W13636.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	370	U
131-11-3	Dimethyl phthalate	370	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
117-84-0	Di-n-octyl phthalate	370	U
206-44-0	Fluoranthene	170	J
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-68-3	Hexachlorobutadiene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
67-72-1	Hexachloroethane	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	J
78-59-1	Isophorone	370	U
91-57-6	2-Methylnaphthalene	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	370	U
88-75-5	2-Nitrophenol	370	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	370	U
621-64-7	N-Nitroso-Di-n-propylamine	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	79	J
108-95-2	Phenol	370	U
129-00-0	Pyrene	130	J
95-95-4	2,4,5-Trichlorophenol	900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72610

Sample wt/vol: 30.23 (g/mL) G Lab File ID: W13636.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	370	U

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72611RE

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W13669.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/19/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	580	J
208-96-8	Acenaphthylene	180	J
98-86-2	Acetophenone	1700	U
120-12-7	Anthracene	2100	
1912-24-9	Atrazine	1700	U
100-52-7	Benzaldehyde	1700	U
56-55-3	Benzo(a)anthracene	4000	
205-99-2	Benzo(b)fluoranthene	4000	
207-08-9	Benzo(k)fluoranthene	1500	J
191-24-2	Benzo(ghi)perylene	1600	J
50-32-8	Benzo(a)pyrene	3000	
92-52-4	Biphenyl	1700	U
111-91-1	Bis(2-chloroethoxy) methane	1700	U
111-44-4	Bis(2-chloroethyl) ether	1700	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1700	U
117-81-7	Bis(2-ethylhexyl) phthalate	1700	U
101-55-3	4-Bromophenyl phenyl ether	1700	U
85-68-7	Butyl benzyl phthalate	1700	U
105-60-2	Caprolactam	8500 ~~1700~~	U
106-47-8	4-Chloroaniline	1700	U
59-50-7	4-Chloro-3-methylphenol	1700	U
91-58-7	2-Chloronaphthalene	1700	U
95-57-8	2-Chlorophenol	1700	U
7005-72-3	4-Chlorophenyl phenyl ether	1700	U
86-74-8	Carbazole	660	J
218-01-9	Chrysene	3800	
53-70-3	Dibenzo(a,h)anthracene	430	J
132-64-9	Dibenzofuran	540	J
84-74-2	Di-n-butyl phthalate	1700	U
91-94-1	3,3'-Dichlorobenzidine	8500	U
120-83-2	2,4-Dichlorophenol	1700	U
84-66-2	Diethyl phthalate	1700	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72611RE

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W13669.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/19/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1700	U
131-11-3	Dimethyl phthalate	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	U
51-28-5	2,4-Dinitrophenol	8500	U
121-14-2	2,4-Dinitrotoluene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
117-84-0	Di-n-octyl phthalate	1700	U
206-44-0	Fluoranthene	9800	
86-73-7	Fluorene	960	J
118-74-1	Hexachlorobenzene	1700	U
87-68-3	Hexachlorobutadiene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
67-72-1	Hexachloroethane	1700	U
193-39-5	Indeno(1,2,3-cd)pyrene	1500	J
78-59-1	Isophorone	1700	U
91-57-6	2-Methylnaphthalene	150	J
95-48-7	2-Methylphenol	1700	U
106-44-5	4-Methylphenol	1700	U
91-20-3	Naphthalene	260	J
88-74-4	2-Nitroaniline	8500	U
99-09-2	3-Nitroaniline	8500	U
100-01-6	4-Nitroaniline	8500	U
98-95-3	Nitrobenzene	1700	U
88-75-5	2-Nitrophenol	1700	U
100-02-7	4-Nitrophenol	8500	U
86-30-6	N-nitrosodiphenylamine	1700	U
621-64-7	N-Nitroso-Di-n-propylamine	1700	U
87-86-5	Pentachlorophenol	8500	U
85-01-8	Phenanthrene	8100	
108-95-2	Phenol	1700	U
129-00-0	Pyrene	6600	
95-95-4	2,4,5-Trichlorophenol	4200	U

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.: SWF-SS-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72611RE

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W13669.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/19/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1700	U

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72612

Sample wt/vol: 30.25 (g/mL) G Lab File ID: W13638.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	380	U
208-96-8	Acenaphthylene	110	J
98-86-2	Acetophenone	380	U
120-12-7	Anthracene	94	J
1912-24-9	Atrazine	380	U
100-52-7	Benzaldehyde	380	U
56-55-3	Benzo(a)anthracene	480	
205-99-2	Benzo(b)fluoranthene	710	
207-08-9	Benzo(k)fluoranthene	260	J
191-24-2	Benzo(ghi)perylene	340	J
50-32-8	Benzo(a)pyrene	510	
92-52-4	Biphenyl	380	U
111-91-1	Bis(2-chloroethoxy) methane	380	U
111-44-4	Bis(2-chloroethyl) ether	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
117-81-7	Bis(2-ethylhexyl) phthalate	320	J
101-55-3	4-Bromophenyl phenyl ether	380	U
85-68-7	Butyl benzyl phthalate	380	U
105-60-2	Caprolactam	1900 ~~380~~	U
106-47-8	4-Chloroaniline	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-58-7	2-Chloronaphthalene	380	U
95-57-8	2-Chlorophenol	380	U
7005-72-3	4-Chlorophenyl phenyl ether	380	U
86-74-8	Carbazole	38	J
218-01-9	Chrysene	460	
53-70-3	Dibenzo(a,h)anthracene	94	J
132-64-9	Dibenzofuran	23	J
84-74-2	Di-n-butyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
120-83-2	2,4-Dichlorophenol	380	U
84-66-2	Diethyl phthalate	380	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72612

Sample wt/vol: 30.25 (g/mL) G Lab File ID: W13638.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	380	U
131-11-3	Dimethyl phthalate	380	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
51-28-5	2,4-Dinitrophenol	1900	U
121-14-2	2,4-Dinitrotoluene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
117-84-0	Di-n-octyl phthalate	380	U
206-44-0	Fluoranthene	720	
86-73-7	Fluorene	380	U
118-74-1	Hexachlorobenzene	380	U
87-68-3	Hexachlorobutadiene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
67-72-1	Hexachloroethane	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	300	J
78-59-1	Isophorone	380	U
91-57-6	2-Methylnaphthalene	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	57	J
88-74-4	2-Nitroaniline	1900	U
99-09-2	3-Nitroaniline	1900	U
100-01-6	4-Nitroaniline	1900	U
98-95-3	Nitrobenzene	380	U
88-75-5	2-Nitrophenol	380	U
100-02-7	4-Nitrophenol	1900	U
86-30-6	N-nitrosodiphenylamine	380	U
621-64-7	N-Nitroso-Di-n-propylamine	380	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	320	J
108-95-2	Phenol	380	U
129-00-0	Pyrene	530	
95-95-4	2,4,5-Trichlorophenol	930	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72612__

Sample wt/vol: 30.25 (g/mL) G Lab File ID: W13638.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	380	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
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Client No.: SWF-SS-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72801

Sample wt/vol: 30.24 (g/mL) G Lab File ID: W13639.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	110	J
208-96-8	Acenaphthylene	770	
98-86-2	Acetophenone	390	U
120-12-7	Anthracene	1200	
1912-24-9	Atrazine	390	U
100-52-7	Benzaldehyde	390	U
56-55-3	Benzo(a)anthracene	6200	
205-99-2	Benzo(b)fluoranthene	~~7100~~	~~E~~ 7,100
207-08-9	Benzo(k)fluoranthene	3000	
191-24-2	Benzo(ghi)perylene	2700	
50-32-8	Benzo(a)pyrene	4600	
92-52-4	Biphenyl	90	J
111-91-1	Bis(2-chloroethoxy) methane	390	U
111-44-4	Bis(2-chloroethyl) ether	390	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	390	U
117-81-7	Bis(2-ethylhexyl) phthalate	390	U
101-55-3	4-Bromophenyl phenyl ether	390	U
85-68-7	Butyl benzyl phthalate	390	U
105-60-2	Caprolactam	390	U
106-47-8	4-Chloroaniline	1900 ~~390~~	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-58-7	2-Chloronaphthalene	390	U
95-57-8	2-Chlorophenol	390	U
7005-72-3	4-Chlorophenyl phenyl ether	390	U
86-74-8	Carbazole	580	
218-01-9	Chrysene	5800	
53-70-3	Dibenzo(a,h)anthracene	950	
132-64-9	Dibenzofuran	640	
84-74-2	Di-n-butyl phthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
120-83-2	2,4-Dichlorophenol	390	U
84-66-2	Diethyl phthalate	390	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72801

Sample wt/vol: 30.24 (g/mL) G Lab File ID: W13639.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
105-67-9	2,4-Dimethylphenol	390	U	
131-11-3	Dimethyl phthalate	390	U	
534-52-1	4,6-Dinitro-2-methylphenol	1900	U	
51-28-5	2,4-Dinitrophenol	1900	U	
121-14-2	2,4-Dinitrotoluene	390	U	
606-20-2	2,6-Dinitrotoluene	390	U	
117-84-0	Di-n-octyl phthalate	390	U	
206-44-0	Fluoranthene	~~14000~~	~~E~~	15,000
86-73-7	Fluorene	360	J	
118-74-1	Hexachlorobenzene	390	U	
87-68-3	Hexachlorobutadiene	390	U	
77-47-4	Hexachlorocyclopentadiene	390	U	
67-72-1	Hexachloroethane	390	U	
193-39-5	Indeno(1,2,3-cd)pyrene	2700		
78-59-1	Isophorone	390	U	
91-57-6	2-Methylnaphthalene	210	J	
95-48-7	2-Methylphenol	390	U	
106-44-5	4-Methylphenol	390	U	
91-20-3	Naphthalene	630		
88-74-4	2-Nitroaniline	1900	U	
99-09-2	3-Nitroaniline	1900	U	
100-01-6	4-Nitroaniline	1900	U	
98-95-3	Nitrobenzene	390	U	
88-75-5	2-Nitrophenol	390	U	
100-02-7	4-Nitrophenol	1900	U	
86-30-6	N-nitrosodiphenylamine	390	U	
621-64-7	N-Nitroso-Di-n-propylamine	390	U	
87-86-5	Pentachlorophenol	1900	U	
85-01-8	Phenanthrene	~~9200~~	~~E~~	10,000
108-95-2	Phenol	390	U	
129-00-0	Pyrene	~~9300~~	~~E~~	12,000
95-95-4	2,4,5-Trichlorophenol	940	U	

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Client No.

SWF-SS-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72801

Sample wt/vol: 30.24 (g/mL) G Lab File ID: W13639.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	390	U

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Client No.: SWF-SS-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72802

Sample wt/vol: 30.22 (g/mL) G Lab File ID: W13644.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	97	J
208-96-8	Acenaphthylene	260	J
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	590	
1912-24-9	Atrazine	360	U
100-52-7	Benzaldehyde	360	U
56-55-3	Benzo(a)anthracene	2100	
205-99-2	Benzo(b)fluoranthene	2500	
207-08-9	Benzo(k)fluoranthene	990	
191-24-2	Benzo(ghi)perylene	1600	
50-32-8	Benzo(a)pyrene	1800	
92-52-4	Biphenyl	73	J
111-91-1	Bis(2-chloroethoxy) methane	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
117-81-7	Bis(2-ethylhexyl) phthalate	360	U
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	1800 ~~360~~	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
86-74-8	Carbazole	350	J
218-01-9	Chrysene	2100	
53-70-3	Dibenzo(a,h)anthracene	470	
132-64-9	Dibenzofuran	380	
84-74-2	Di-n-butyl phthalate	70	J
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.: SWF-SS-13 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72801DL

Sample wt/vol: 30.24 (g/mL) G Lab File ID: W13643.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1500	U

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.: SWF-SS-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72802

Sample wt/vol: 30.22 (g/mL) G Lab File ID: W13644.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	360	U
131-11-3	Dimethyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	Fluoranthene	4900	
86-73-7	Fluorene	170	J
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U J
67-72-1	Hexachloroethane	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	160	J
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	540	
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	360	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	360	U
621-64-7	N-Nitroso-Di-n-propylamine	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	3700	
108-95-2	Phenol	360	U
129-00-0	Pyrene	3700	
95-95-4	2,4,5-Trichlorophenol	880	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
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ANALYSIS DATA SHEET

Client No.

SWF-SS-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72802

Sample wt/vol: 30.22 (g/mL) G Lab File ID: W13644.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	360	U

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Client No.

SWF-SS-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72803

Sample wt/vol: 30.35 (g/mL) G Lab File ID: W13645.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	370	U
208-96-8	Acenaphthylene	370	U
98-86-2	Acetophenone	370	U
120-12-7	Anthracene	370	U
1912-24-9	Atrazine	370	U
100-52-7	Benzaldehyde	370	U
56-55-3	Benzo(a)anthracene	40	J
205-99-2	Benzo(b)fluoranthene	59	J
207-08-9	Benzo(k)fluoranthene	27	J
191-24-2	Benzo(ghi)perylene	56	J
50-32-8	Benzo(a)pyrene	45	J
92-52-4	Biphenyl	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
117-81-7	Bis(2-ethylhexyl) phthalate	370	U
101-55-3	4-Bromophenyl phenyl ether	370	U
85-68-7	Butyl benzyl phthalate	370	U
105-60-2	Caprolactam	180 J ~~370~~	U
106-47-8	4-Chloroaniline	370	U
59-50-7	4-Chloro-3-methylphenol	~~370~~	~~U~~ R
91-58-7	2-Chloronaphthalene	370	U
95-57-8	2-Chlorophenol	~~370~~	~~U~~ R
7005-72-3	4-Chlorophenyl phenyl ether	370	U
86-74-8	Carbazole	370	U
218-01-9	Chrysene	41	J
53-70-3	Dibenzo(a,h)anthracene	370	U
132-64-9	Dibenzofuran	370	U
84-74-2	Di-n-butyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	~~370~~	~~U~~ R
84-66-2	Diethyl phthalate	370	U

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ANALYSIS DATA SHEET

Client No.

SWF-SS-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72803

Sample wt/vol: 30.35 (g/mL) G Lab File ID: W13645.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	370	U R
131-11-3	Dimethyl phthalate	370	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U R
51-28-5	2,4-Dinitrophenol	1800	U R
121-14-2	2,4-Dinitrotoluene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
117-84-0	Di-n-octyl phthalate	370	U
206-44-0	Fluoranthene	61	J
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-68-3	Hexachlorobutadiene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U J
67-72-1	Hexachloroethane	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	44	J
78-59-1	Isophorone	370	U
91-57-6	2-Methylnaphthalene	370	U
95-48-7	2-Methylphenol	370	U R
106-44-5	4-Methylphenol	370	U R
91-20-3	Naphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	370	U
88-75-5	2-Nitrophenol	370	U R
100-02-7	4-Nitrophenol	1800	U R
86-30-6	N-nitrosodiphenylamine	370	U
621-64-7	N-Nitroso-Di-n-propylamine	370	U
87-86-5	Pentachlorophenol	1800	U R
85-01-8	Phenanthrene	28	J
108-95-2	Phenol	370	U R
129-00-0	Pyrene	51	J
95-95-4	2,4,5-Trichlorophenol	890	U R

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TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72803

Sample wt/vol: 30.35 (g/mL) G Lab File ID: W13645.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	~~370~~	U

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ANALYSIS DATA SHEET

Client No.: SWF-SS-15 RE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72803RE

Sample wt/vol: 30.00 (g/mL) G Lab File ID: V18696.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/20/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	370	U
208-96-8	Acenaphthylene	370	U
98-86-2	Acetophenone	370	U
120-12-7	Anthracene	370	U
1912-24-9	Atrazine	370	U
100-52-7	Benzaldehyde	370	U
56-55-3	Benzo(a)anthracene	30	J
205-99-2	Benzo(b)fluoranthene	44	J
207-08-9	Benzo(k)fluoranthene	370	U
191-24-2	Benzo(ghi)perylene	24	J
50-32-8	Benzo(a)pyrene	22	J
92-52-4	Biphenyl	370	U
111-91-1	Bis(2-chloroethoxy) methane	370	U
111-44-4	Bis(2-chloroethyl) ether	370	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U
117-81-7	Bis(2-ethylhexyl) phthalate	68	J
101-55-3	4-Bromophenyl phenyl ether	370	U
85-68-7	Butyl benzyl phthalate	370	U
105-60-2	Caprolactam	370	U
106-47-8	4-Chloroaniline	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-58-7	2-Chloronaphthalene	370	U
95-57-8	2-Chlorophenol	370	U
7005-72-3	4-Chlorophenyl phenyl ether	370	U
86-74-8	Carbazole	370	U
218-01-9	Chrysene	30	J
53-70-3	Dibenzo(a,h)anthracene	370	U
132-64-9	Dibenzofuran	370	U
84-74-2	Di-n-butyl phthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	370	U
84-66-2	Diethyl phthalate	370	U

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TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72804

Sample wt/vol: 30.76 (g/mL) G Lab File ID: W13646.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	360	U
208-96-8	Acenaphthylene	360	U
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	18	J
1912-24-9	Atrazine	360	U
100-52-7	Benzaldehyde	360	U
56-55-3	Benzo(a)anthracene	84	J
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	42	J
191-24-2	Benzo(ghi)perylene	100	J
50-32-8	Benzo(a)pyrene	85	J
92-52-4	Biphenyl	360	U
111-91-1	Bis(2-chloroethoxy) methane	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
117-81-7	Bis(2-ethylhexyl) phthalate	360	U
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	1800 ~~360~~	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	~~360~~	~~U~~ R
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	~~360~~	~~U~~ R
7005-72-3	4-Chlorophenyl phenyl ether	360	U
86-74-8	Carbazole	24	J
218-01-9	Chrysene	120	J
53-70-3	Dibenzo(a,h)anthracene	27	J
132-64-9	Dibenzofuran	360	U
84-74-2	Di-n-butyl phthalate	64	J
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	~~360~~	~~U~~ R
84-66-2	Diethyl phthalate	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72804__

Sample wt/vol: 30.76 (g/mL) G Lab File ID: W13646.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	~~360~~	U R
131-11-3	Dimethyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	~~1700~~	U R
51-28-5	2,4-Dinitrophenol	~~1700~~	U R
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	Fluoranthene	210	J
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U J
67-72-1	Hexachloroethane	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	89	J
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	360	U
95-48-7	2-Methylphenol	~~360~~	U R
106-44-5	4-Methylphenol	~~360~~	U R
91-20-3	Naphthalene	94	J
88-74-4	2-Nitroaniline	1700	U
99-09-2	3-Nitroaniline	1700	U
100-01-6	4-Nitroaniline	1700	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	~~360~~	U R
100-02-7	4-Nitrophenol	1700	U R
86-30-6	N-nitrosodiphenylamine	360	U
621-64-7	N-Nitroso-Di-n-propylamine	360	U
87-86-5	Pentachlorophenol	~~1700~~	U R
85-01-8	Phenanthrene	130	J
108-95-2	Phenol	~~360~~	U R
129-00-0	Pyrene	150	J
95-95-4	2,4,5-Trichlorophenol	~~860~~	U R

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72804

Sample wt/vol: 30.76 (g/mL) G Lab File ID: W13646.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
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Client No.: SWF-SS-16 RE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72804RE

Sample wt/vol: 30.38 (g/mL) G Lab File ID: V18697.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/20/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	360	U
208-96-8	Acenaphthylene	360	U
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	360	U
1912-24-9	Atrazine	360	U
100-52-7	Benzaldehyde	360	U
56-55-3	Benzo(a)anthracene	72	J
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	360	U
191-24-2	Benzo(ghi)perylene	66	J
50-32-8	Benzo(a)pyrene	66	J
92-52-4	Biphenyl	360	U
111-91-1	Bis(2-chloroethoxy) methane	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
117-81-7	Bis(2-ethylhexyl) phthalate	66	J
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	360	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
86-74-8	Carbazole	360	U
218-01-9	Chrysene	110	J
53-70-3	Dibenzo(a,h)anthracene	18	J
132-64-9	Dibenzofuran	360	U
84-74-2	Di-n-butyl phthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
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Client No.

SWF-SS-17

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72805

Sample wt/vol: 30.36 (g/mL) G Lab File ID: W13647.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
83-32-9	Acenaphthene	59	J	
208-96-8	Acenaphthylene	180	J	
98-86-2	Acetophenone	370	U	
120-12-7	Anthracene	200	J	
1912-24-9	Atrazine	370	U	
100-52-7	Benzaldehyde	370	U	
56-55-3	Benzo(a)anthracene	800		
205-99-2	Benzo(b)fluoranthene	~~1400~~		800 J
207-08-9	Benzo(k)fluoranthene	~~370~~	~~U~~	600 J
191-24-2	Benzo(ghi)perylene	680		
50-32-8	Benzo(a)pyrene	820		
92-52-4	Biphenyl	370	U	
111-91-1	Bis(2-chloroethoxy) methane	370	U	
111-44-4	Bis(2-chloroethyl) ether	370	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	370	U	
117-81-7	Bis(2-ethylhexyl) phthalate	72	J	
101-55-3	4-Bromophenyl phenyl ether	370	U	
85-68-7	Butyl benzyl phthalate	370	U	
105-60-2	Caprolactam	1800 ~~370~~	U	
106-47-8	4-Chloroaniline	370	U	
59-50-7	4-Chloro-3-methylphenol	370	U	
91-58-7	2-Chloronaphthalene	370	U	
95-57-8	2-Chlorophenol	370	U	
7005-72-3	4-Chlorophenyl phenyl ether	370	U	
86-74-8	Carbazole	86	J	
218-01-9	Chrysene	820		
53-70-3	Dibenzo(a,h)anthracene	190	J	
132-64-9	Dibenzofuran	42	J	
84-74-2	Di-n-butyl phthalate	370	U	
91-94-1	3,3'-Dichlorobenzidine	1800	U	
120-83-2	2,4-Dichlorophenol	370	U	
84-66-2	Diethyl phthalate	370	U	

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-17

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72805__

Sample wt/vol: 30.36 (g/mL) G Lab File ID: W13647.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	370	U
131-11-3	Dimethyl phthalate	370	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
51-28-5	2,4-Dinitrophenol	1800	U
121-14-2	2,4-Dinitrotoluene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
117-84-0	Di-n-octyl phthalate	370	U
206-44-0	Fluoranthene	1500	
86-73-7	Fluorene	58	J
118-74-1	Hexachlorobenzene	370	U
87-68-3	Hexachlorobutadiene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U J
67-72-1	Hexachloroethane	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	600	
78-59-1	Isophorone	370	U
91-57-6	2-Methylnaphthalene	33	J
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	70	J
88-74-4	2-Nitroaniline	1800	U
99-09-2	3-Nitroaniline	1800	U
100-01-6	4-Nitroaniline	1800	U
98-95-3	Nitrobenzene	370	U
88-75-5	2-Nitrophenol	370	U
100-02-7	4-Nitrophenol	1800	U
86-30-6	N-nitrosodiphenylamine	370	U
621-64-7	N-Nitroso-Di-n-propylamine	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	590	
108-95-2	Phenol	370	U
129-00-0	Pyrene	1200	
95-95-4	2,4,5-Trichlorophenol	900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-17

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72805

Sample wt/vol: 30.36 (g/mL) G Lab File ID: W13647.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	370	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-18

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72806__

Sample wt/vol: 30.91 (g/mL) G Lab File ID: W13648.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: ____9 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: ____1.00 (uL) Dilution Factor: ____1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	250	J
208-96-8	Acenaphthylene	330	J
98-86-2	Acetophenone	350	U
120-12-7	Anthracene	1200	
1912-24-9	Atrazine	350	U
100-52-7	Benzaldehyde	350	U
56-55-3	Benzo(a)anthracene	3100	
205-99-2	Benzo(b)fluoranthene	3600	
207-08-9	Benzo(k)fluoranthene	930	
191-24-2	Benzo(ghi)perylene	1800	
50-32-8	Benzo(a)pyrene	2600	
92-52-4	Biphenyl	75	J
111-91-1	Bis(2-chloroethoxy) methane	350	U
111-44-4	Bis(2-chloroethyl) ether	350	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	350	U
117-81-7	Bis(2-ethylhexyl) phthalate	86	J
101-55-3	4-Bromophenyl phenyl ether	350	U
85-68-7	Butyl benzyl phthalate	350	U
105-60-2	Caprolactam	1800 ~~350~~	U
106-47-8	4-Chloroaniline	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-58-7	2-Chloronaphthalene	350	U
95-57-8	2-Chlorophenol	350	U
7005-72-3	4-Chlorophenyl phenyl ether	350	U
86-74-8	Carbazole	800	
218-01-9	Chrysene	2900	
53-70-3	Dibenzo(a,h)anthracene	440	
132-64-9	Dibenzofuran	600	
84-74-2	Di-n-butyl phthalate	69	J
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	350	U
84-66-2	Diethyl phthalate	350	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-18

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72806

Sample wt/vol: 30.91 (g/mL) G Lab File ID: W13648.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
105-67-9	2,4-Dimethylphenol	350	U	
131-11-3	Dimethyl phthalate	350	U	
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	
51-28-5	2,4-Dinitrophenol	1700	U	
121-14-2	2,4-Dinitrotoluene	350	U	
606-20-2	2,6-Dinitrotoluene	350	U	
117-84-0	Di-n-octyl phthalate	350	U	
206-44-0	Fluoranthene	~~9100~~	~~E~~	7300
86-73-7	Fluorene	980		
118-74-1	Hexachlorobenzene	350	U	
87-68-3	Hexachlorobutadiene	350	U	
77-47-4	Hexachlorocyclopentadiene	350	U J	
67-72-1	Hexachloroethane	350	U	
193-39-5	Indeno(1,2,3-cd)pyrene	1600		
78-59-1	Isophorone	350	U	
91-57-6	2-Methylnaphthalene	170	J	
95-48-7	2-Methylphenol	350	U	
106-44-5	4-Methylphenol	350	U	
91-20-3	Naphthalene	580		
88-74-4	2-Nitroaniline	1700	U	
99-09-2	3-Nitroaniline	1700	U	
100-01-6	4-Nitroaniline	1700	U	
98-95-3	Nitrobenzene	350	U	
88-75-5	2-Nitrophenol	350	U	
100-02-7	4-Nitrophenol	1700	U	
86-30-6	N-nitrosodiphenylamine	350	U	
621-64-7	N-Nitroso-Di-n-propylamine	350	U	
87-86-5	Pentachlorophenol	1700	U	
85-01-8	Phenanthrene	~~8200~~	~~E~~	6500
108-95-2	Phenol	350	U	
129-00-0	Pyrene	~~6700~~	~~E~~	5500
95-95-4	2,4,5-Trichlorophenol	850	U	

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-18

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72806

Sample wt/vol: 30.91 (g/mL) G Lab File ID: W13648.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	350	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-18 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72806DL

Sample wt/vol: 30.91 (g/mL) G Lab File ID: W13763.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-19

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72807

Sample wt/vol: 30.44 (g/mL) G Lab File ID: W13649.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	62	J
208-96-8	Acenaphthylene	410	
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	480	
1912-24-9	Atrazine	360	U
100-52-7	Benzaldehyde	360	U
56-55-3	Benzo(a)anthracene	1600	
205-99-2	Benzo(b)fluoranthene	1700	
207-08-9	Benzo(k)fluoranthene	610	
191-24-2	Benzo(ghi)perylene	730	
50-32-8	Benzo(a)pyrene	1200	
92-52-4	Biphenyl	24	J
111-91-1	Bis(2-chloroethoxy) methane	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
117-81-7	Bis(2-ethylhexyl) phthalate	74	J
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	1800 ~~360~~	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
86-74-8	Carbazole	140	J
218-01-9	Chrysene	1400	
53-70-3	Dibenzo(a,h)anthracene	230	J
132-64-9	Dibenzofuran	140	J
84-74-2	Di-n-butyl phthalate	68	J
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-19

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72807__

Sample wt/vol: 30.44 (g/mL) G Lab File ID: W13649.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	360	U
131-11-3	Dimethyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
51-28-5	2,4-Dinitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	Fluoranthene	2900	
86-73-7	Fluorene	170	J
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U J
67-72-1	Hexachloroethane	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	690	
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	110	J
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	220	J
88-74-4	2-Nitroaniline	1700	U
99-09-2	3-Nitroaniline	1700	U
100-01-6	4-Nitroaniline	1700	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	360	U
100-02-7	4-Nitrophenol	1700	U
86-30-6	N-nitrosodiphenylamine	360	U
621-64-7	N-Nitroso-Di-n-propylamine	360	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	1400	
108-95-2	Phenol	360	U
129-00-0	Pyrene	2200	
95-95-4	2,4,5-Trichlorophenol	870	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-19

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72807

Sample wt/vol: 30.44 (g/mL) G Lab File ID: W13649.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-20

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72808

Sample wt/vol: 30.35 (g/mL) G Lab File ID: W13650.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	94	J
208-96-8	Acenaphthylene	240	J
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	330	J
1912-24-9	Atrazine	360	U
100-52-7	Benzaldehyde	360	U
56-55-3	Benzo(a)anthracene	2000	
205-99-2	Benzo(b)fluoranthene	3200	
207-08-9	Benzo(k)fluoranthene	860	
191-24-2	Benzo(ghi)perylene	1400	
50-32-8	Benzo(a)pyrene	2300	
92-52-4	Biphenyl	25	J
111-91-1	Bis(2-chloroethoxy) methane	360	U
111-44-4	Bis(2-chloroethyl) ether	360	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	360	U
117-81-7	Bis(2-ethylhexyl) phthalate	150	J
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	1800 ~~360~~	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
86-74-8	Carbazole	170	J
218-01-9	Chrysene	1900	
53-70-3	Dibenzo(a,h)anthracene	400	
132-64-9	Dibenzofuran	110	J
84-74-2	Di-n-butyl phthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-20

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72808

Sample wt/vol: 30.35 (g/mL) G Lab File ID: W13650.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	360	U
131-11-3	Dimethyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
51-28-5	2,4-Dinitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	Fluoranthene	2800	
86-73-7	Fluorene	71	J
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U J
67-72-1	Hexachloroethane	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	120	J
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	380	
88-74-4	2-Nitroaniline	1700	U
99-09-2	3-Nitroaniline	1700	U
100-01-6	4-Nitroaniline	1700	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	360	U
100-02-7	4-Nitrophenol	1700	U
86-30-6	N-nitrosodiphenylamine	360	U
621-64-7	N-Nitroso-Di-n-propylamine	360	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	1100	
108-95-2	Phenol	360	U
129-00-0	Pyrene	2300	
95-95-4	2,4,5-Trichlorophenol	860	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-20

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72808

Sample wt/vol: 30.35 (g/mL) G Lab File ID: W13650.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	360	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72809

Sample wt/vol: 30.30 (g/mL) G Lab File ID: U17778.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1800	U
208-96-8	Acenaphthylene	1800	U
98-86-2	Acetophenone	1800	U
120-12-7	Anthracene	1800	U
1912-24-9	Atrazine	1800	U
100-52-7	Benzaldehyde	1800	U
56-55-3	Benzo(a)anthracene	520	J
205-99-2	Benzo(b)fluoranthene	900	J
207-08-9	Benzo(k)fluoranthene	440	J
191-24-2	Benzo(ghi)perylene	520	J
50-32-8	Benzo(a)pyrene	710	J
92-52-4	Biphenyl	1800	U
111-91-1	Bis(2-chloroethoxy) methane	1800	U
111-44-4	Bis(2-chloroethyl) ether	1800	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1800	U
117-81-7	Bis(2-ethylhexyl) phthalate	1800	U
101-55-3	4-Bromophenyl phenyl ether	1800	U
85-68-7	Butyl benzyl phthalate	1800	U
105-60-2	Caprolactam	9000 ~~1800~~	U
106-47-8	4-Chloroaniline	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-58-7	2-Chloronaphthalene	1800	U
95-57-8	2-Chlorophenol	1800	U
7005-72-3	4-Chlorophenyl phenyl ether	1800	U
86-74-8	Carbazole	1800	U
218-01-9	Chrysene	620	J
53-70-3	Dibenzo(a,h)anthracene	130	J
132-64-9	Dibenzofuran	1800	U
84-74-2	Di-n-butyl phthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	8500	U
120-83-2	2,4-Dichlorophenol	1800	U
84-66-2	Diethyl phthalate	1800	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72809

Sample wt/vol: 30.30 (g/mL) G Lab File ID: U17778.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1800	U
131-11-3	Dimethyl phthalate	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	8500	U
51-28-5	2,4-Dinitrophenol	8500	U
121-14-2	2,4-Dinitrotoluene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
117-84-0	Di-n-octyl phthalate	1800	U
206-44-0	Fluoranthene	670	J
86-73-7	Fluorene	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-68-3	Hexachlorobutadiene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
67-72-1	Hexachloroethane	1800	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	J
78-59-1	Isophorone	1800	U
91-57-6	2-Methylnaphthalene	1800	U
95-48-7	2-Methylphenol	1800	U
106-44-5	4-Methylphenol	1800	U
91-20-3	Naphthalene	1800	U
88-74-4	2-Nitroaniline	8500	U
99-09-2	3-Nitroaniline	8500	U
100-01-6	4-Nitroaniline	8500	U
98-95-3	Nitrobenzene	1800	U
88-75-5	2-Nitrophenol	1800	U
100-02-7	4-Nitrophenol	8500	U
86-30-6	N-nitrosodiphenylamine	1800	U
621-64-7	N-Nitroso-Di-n-propylamine	1800	U
87-86-5	Pentachlorophenol	8500	U
85-01-8	Phenanthrene	250	J
108-95-2	Phenol	1800	U
129-00-0	Pyrene	630	J
95-95-4	2,4,5-Trichlorophenol	4300	U

FORM I - GC/MS BNA

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72809

Sample wt/vol: 30.30 (g/mL) G Lab File ID: U17778.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-22

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72810

Sample wt/vol: 30.97 (g/mL) G Lab File ID: U17779.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	34	J
208-96-8	Acenaphthylene	27	J
98-86-2	Acetophenone	340	U
120-12-7	Anthracene	110	J
1912-24-9	Atrazine	340	U
100-52-7	Benzaldehyde	340	U
56-55-3	Benzo(a)anthracene	330	J
205-99-2	Benzo(b)fluoranthene	~~610~~ 320	J
207-08-9	Benzo(k)fluoranthene	~~340~~ 290	~~U~~ J
191-24-2	Benzo(ghi)perylene	220	J
50-32-8	Benzo(a)pyrene	340	
92-52-4	Biphenyl	340	U
111-91-1	Bis(2-chloroethoxy) methane	340	U
111-44-4	Bis(2-chloroethyl) ether	340	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	340	U
117-81-7	Bis(2-ethylhexyl) phthalate	340	U
101-55-3	4-Bromophenyl phenyl ether	340	U
85-68-7	Butyl benzyl phthalate	340	U
105-60-2	Caprolactam	170V ~~340~~	U
106-47-8	4-Chloroaniline	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-58-7	2-Chloronaphthalene	340	U
95-57-8	2-Chlorophenol	340	U
7005-72-3	4-Chlorophenyl phenyl ether	340	U
86-74-8	Carbazole	52	J
218-01-9	Chrysene	350	
53-70-3	Dibenzo(a,h)anthracene	55	J
132-64-9	Dibenzofuran	25	J
84-74-2	Di-n-butyl phthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	340	U
84-66-2	Diethyl phthalate	340	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-22

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72810

Sample wt/vol: 30.97 (g/mL) G Lab File ID: U17779.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	340	U
131-11-3	Dimethyl phthalate	340	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
51-28-5	2,4-Dinitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
117-84-0	Di-n-octyl phthalate	340	U
206-44-0	Fluoranthene	710	
86-73-7	Fluorene	43	J
118-74-1	Hexachlorobenzene	340	U
87-68-3	Hexachlorobutadiene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
67-72-1	Hexachloroethane	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	180	J
78-59-1	Isophorone	340	U
91-57-6	2-Methylnaphthalene	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	30	J
88-74-4	2-Nitroaniline	1700	U
99-09-2	3-Nitroaniline	1700	U
100-01-6	4-Nitroaniline	1700	U
98-95-3	Nitrobenzene	340	U
88-75-5	2-Nitrophenol	340	U
100-02-7	4-Nitrophenol	1700	U
86-30-6	N-nitrosodiphenylamine	340	U
621-64-7	N-Nitroso-Di-n-propylamine	340	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	430	
108-95-2	Phenol	340	U
129-00-0	Pyrene	550	
95-95-4	2,4,5-Trichlorophenol	840	U

4-10-07

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-22

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726__

Matrix: (soil/water) SOIL Lab Sample ID: A6E72810__

Sample wt/vol: 30.97 (g/mL) G Lab File ID: U17779.RR____

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: ____7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: ___1.00 (uL) Dilution Factor: ___1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	340	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72811

Sample wt/vol: 30.99 (g/mL) G Lab File ID: U17780.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	680	J
208-96-8	Acenaphthylene	180	J
98-86-2	Acetophenone	1700	U
120-12-7	Anthracene	1700	
1912-24-9	Atrazine	1700	U
100-52-7	Benzaldehyde	1700	U
56-55-3	Benzo(a)anthracene	4200	
205-99-2	Benzo(b)fluoranthene	~~7200~~ 3800	J
207-08-9	Benzo(k)fluoranthene	~~1700~~ 3400	U J
191-24-2	Benzo(ghi)perylene	2200	
50-32-8	Benzo(a)pyrene	4200	
92-52-4	Biphenyl	1700	U
111-91-1	Bis(2-chloroethoxy) methane	1700	U
111-44-4	Bis(2-chloroethyl) ether	1700	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1700	U
117-81-7	Bis(2-ethylhexyl) phthalate	1700	U
101-55-3	4-Bromophenyl phenyl ether	1700	U
85-68-7	Butyl benzyl phthalate	1700	U
105-60-2	Caprolactam	9000 ~~1700~~	U
106-47-8	4-Chloroaniline	1700	U
59-50-7	4-Chloro-3-methylphenol	1700	U
91-58-7	2-Chloronaphthalene	1700	U
95-57-8	2-Chlorophenol	1700	U
7005-72-3	4-Chlorophenyl phenyl ether	1700	U
86-74-8	Carbazole	740	J
218-01-9	Chrysene	4000	
53-70-3	Dibenzo(a,h)anthracene	640	J
132-64-9	Dibenzofuran	420	J
84-74-2	Di-n-butyl phthalate	1700	U
91-94-1	3,3'-Dichlorobenzidine	8300	U
120-83-2	2,4-Dichlorophenol	1700	U
84-66-2	Diethyl phthalate	1700	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72811

Sample wt/vol: 30.99 (g/mL) G Lab File ID: U17780.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1700	U
131-11-3	Dimethyl phthalate	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	8300	U
51-28-5	2,4-Dinitrophenol	8300	U
121-14-2	2,4-Dinitrotoluene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
117-84-0	Di-n-octyl phthalate	1700	U
206-44-0	Fluoranthene	8200	
86-73-7	Fluorene	680	J
118-74-1	Hexachlorobenzene	1700	U
87-68-3	Hexachlorobutadiene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
67-72-1	Hexachloroethane	1700	U
193-39-5	Indeno(1,2,3-cd)pyrene	2100	
78-59-1	Isophorone	1700	U
91-57-6	2-Methylnaphthalene	220	J
95-48-7	2-Methylphenol	1700	U
106-44-5	4-Methylphenol	1700	U
91-20-3	Naphthalene	410	J
88-74-4	2-Nitroaniline	8300	U
99-09-2	3-Nitroaniline	8300	U
100-01-6	4-Nitroaniline	8300	U
98-95-3	Nitrobenzene	1700	U
88-75-5	2-Nitrophenol	1700	U
100-02-7	4-Nitrophenol	8300	U
86-30-6	N-nitrosodiphenylamine	1700	U
621-64-7	N-Nitroso-Di-n-propylamine	1700	U
87-86-5	Pentachlorophenol	8300	U
85-01-8	Phenanthrene	5400	
108-95-2	Phenol	1700	U
129-00-0	Pyrene	6200	
95-95-4	2,4,5-Trichlorophenol	4200	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72811

Sample wt/vol: 30.99 (g/mL) G Lab File ID: U17780.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1700	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72812

Sample wt/vol: 30.51 (g/mL) G Lab File ID: U17781.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	160	J
208-96-8	Acenaphthylene	750	J
98-86-2	Acetophenone	1900	U
120-12-7	Anthracene	1200	J
1912-24-9	Atrazine	1900	U
100-52-7	Benzaldehyde	1900	U
56-55-3	Benzo(a)anthracene	2600	
205-99-2	Benzo(b)fluoranthene	4000	
207-08-9	Benzo(k)fluoranthene	1500	J
191-24-2	Benzo(ghi)perylene	1900	
50-32-8	Benzo(a)pyrene	3100	
92-52-4	Biphenyl	1900	U
111-91-1	Bis(2-chloroethoxy) methane	1900	U
111-44-4	Bis(2-chloroethyl) ether	1900	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1900	U
117-81-7	Bis(2-ethylhexyl) phthalate	1900	U
101-55-3	4-Bromophenyl phenyl ether	1900	U
85-68-7	Butyl benzyl phthalate	1900	U
105-60-2	Caprolactam	9500 ~~1900~~	U
106-47-8	4-Chloroaniline	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-58-7	2-Chloronaphthalene	1900	U
95-57-8	2-Chlorophenol	1900	U
7005-72-3	4-Chlorophenyl phenyl ether	1900	U
86-74-8	Carbazole	490	J
218-01-9	Chrysene	2800	
53-70-3	Dibenzo(a,h)anthracene	480	J
132-64-9	Dibenzofuran	470	J
84-74-2	Di-n-butyl phthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	9200	U
120-83-2	2,4-Dichlorophenol	1900	U
84-66-2	Diethyl phthalate	1900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72812

Sample wt/vol: 30.51 (g/mL) G Lab File ID: U17781.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1900	U
131-11-3	Dimethyl phthalate	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	9200	U
51-28-5	2,4-Dinitrophenol	9200	U
121-14-2	2,4-Dinitrotoluene	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
117-84-0	Di-n-octyl phthalate	1900	U
206-44-0	Fluoranthene	5500	
86-73-7	Fluorene	720	J
118-74-1	Hexachlorobenzene	1900	U
87-68-3	Hexachlorobutadiene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
67-72-1	Hexachloroethane	1900	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	J
78-59-1	Isophorone	1900	U
91-57-6	2-Methylnaphthalene	190	J
95-48-7	2-Methylphenol	1900	U
106-44-5	4-Methylphenol	1900	U
91-20-3	Naphthalene	420	J
88-74-4	2-Nitroaniline	9200	U
99-09-2	3-Nitroaniline	9200	U
100-01-6	4-Nitroaniline	9200	U
98-95-3	Nitrobenzene	1900	U
88-75-5	2-Nitrophenol	1900	U
100-02-7	4-Nitrophenol	9200	U
86-30-6	N-nitrosodiphenylamine	1900	U
621-64-7	N-Nitroso-Di-n-propylamine	1900	U
87-86-5	Pentachlorophenol	9200	U
85-01-8	Phenanthrene	4200	
108-95-2	Phenol	1900	U
129-00-0	Pyrene	4000	
95-95-4	2,4,5-Trichlorophenol	4600	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72812

Sample wt/vol: 30.51 (g/mL) G Lab File ID: U17781.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1900	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-27

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72813RE

Sample wt/vol: 30.56 (g/mL) G Lab File ID: U17849.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/18/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	340	U
208-96-8	Acenaphthylene	340	U
98-86-2	Acetophenone	340	U
120-12-7	Anthracene	340	U
1912-24-9	Atrazine	340	U
100-52-7	Benzaldehyde	340	U
56-55-3	Benzo(a)anthracene	220	J
205-99-2	Benzo(b)fluoranthene	450	
207-08-9	Benzo(k)fluoranthene	210	J
191-24-2	Benzo(ghi)perylene	470	
50-32-8	Benzo(a)pyrene	360	
92-52-4	Biphenyl	340	U
111-91-1	Bis(2-chloroethoxy) methane	340	U
111-44-4	Bis(2-chloroethyl) ether	340	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	340	U
117-81-7	Bis(2-ethylhexyl) phthalate	340	U
101-55-3	4-Bromophenyl phenyl ether	340	U
85-68-7	Butyl benzyl phthalate	340	U
105-60-2	Caprolactam	1700 ~~340~~	U
106-47-8	4-Chloroaniline	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-58-7	2-Chloronaphthalene	340	U
95-57-8	2-Chlorophenol	340	U
7005-72-3	4-Chlorophenyl phenyl ether	340	U
86-74-8	Carbazole	340	U
218-01-9	Chrysene	300	J
53-70-3	Dibenzo(a,h)anthracene	93	J
132-64-9	Dibenzofuran	340	U
84-74-2	Di-n-butyl phthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
120-83-2	2,4-Dichlorophenol	340	U
84-66-2	Diethyl phthalate	340	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-27

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72813RE

Sample wt/vol: 30.56 (g/mL) G Lab File ID: U17849.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/18/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	340	U
131-11-3	Dimethyl phthalate	340	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
51-28-5	2,4-Dinitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
117-84-0	Di-n-octyl phthalate	340	U
206-44-0	Fluoranthene	290	J
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-68-3	Hexachlorobutadiene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
67-72-1	Hexachloroethane	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	
78-59-1	Isophorone	340	U
91-57-6	2-Methylnaphthalene	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
88-74-4	2-Nitroaniline	1700	U
99-09-2	3-Nitroaniline	1700	U
100-01-6	4-Nitroaniline	1700	U
98-95-3	Nitrobenzene	340	U
88-75-5	2-Nitrophenol	340	U
100-02-7	4-Nitrophenol	1700	U
86-30-6	N-nitrosodiphenylamine	340	U
621-64-7	N-Nitroso-Di-n-propylamine	340	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	110	J
108-95-2	Phenol	340	U
129-00-0	Pyrene	260	J
95-95-4	2,4,5-Trichlorophenol	830	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-27

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72813RE

Sample wt/vol: 30.56 (g/mL) G Lab File ID: U17849.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/18/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/19/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	340	U

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TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-28

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72814

Sample wt/vol: 30.30 (g/mL) G Lab File ID: U17783.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1800	U
208-96-8	Acenaphthylene	1800	U
98-86-2	Acetophenone	1800	U
120-12-7	Anthracene	1800	U
1912-24-9	Atrazine	1800	U
100-52-7	Benzaldehyde	1800	U
56-55-3	Benzo(a)anthracene	650	J
205-99-2	Benzo(b)fluoranthene	~~2000~~ 1200	J
207-08-9	Benzo(k)fluoranthene	~~1800~~ 800	~~U~~ J
191-24-2	Benzo(ghi)perylene	810	J
50-32-8	Benzo(a)pyrene	1100	J
92-52-4	Biphenyl	1800	U
111-91-1	Bis(2-chloroethoxy) methane	1800	U
111-44-4	Bis(2-chloroethyl) ether	1800	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1800	U
117-81-7	Bis(2-ethylhexyl) phthalate	1800	U
101-55-3	4-Bromophenyl phenyl ether	1800	U
85-68-7	Butyl benzyl phthalate	1800	U
105-60-2	Caprolactam	9000 ~~1800~~	U
106-47-8	4-Chloroaniline	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-58-7	2-Chloronaphthalene	1800	U
95-57-8	2-Chlorophenol	1800	U
7005-72-3	4-Chlorophenyl phenyl ether	1800	U
86-74-8	Carbazole	1800	U
218-01-9	Chrysene	820	J
53-70-3	Dibenzo(a,h)anthracene	180	J
132-64-9	Dibenzofuran	1800	U
84-74-2	Di-n-butyl phthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	8600	U
120-83-2	2,4-Dichlorophenol	1800	U
84-66-2	Diethyl phthalate	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-28

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72814

Sample wt/vol: 30.30 (g/mL) G Lab File ID: U17783.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	1800	U
131-11-3	Dimethyl phthalate	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	8600	U
51-28-5	2,4-Dinitrophenol	8600	U
121-14-2	2,4-Dinitrotoluene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
117-84-0	Di-n-octyl phthalate	1800	U
206-44-0	Fluoranthene	830	J
86-73-7	Fluorene	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-68-3	Hexachlorobutadiene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
67-72-1	Hexachloroethane	1800	U
193-39-5	Indeno(1,2,3-cd)pyrene	620	J
78-59-1	Isophorone	1800	U
91-57-6	2-Methylnaphthalene	1800	U
95-48-7	2-Methylphenol	1800	U
106-44-5	4-Methylphenol	1800	U
91-20-3	Naphthalene	1800	U
88-74-4	2-Nitroaniline	8600	U
99-09-2	3-Nitroaniline	8600	U
100-01-6	4-Nitroaniline	8600	U
98-95-3	Nitrobenzene	1800	U
88-75-5	2-Nitrophenol	1800	U
100-02-7	4-Nitrophenol	8600	U
86-30-6	N-nitrosodiphenylamine	1800	U
621-64-7	N-Nitroso-Di-n-propylamine	1800	U
87-86-5	Pentachlorophenol	8600	U
85-01-8	Phenanthrene	190	J
108-95-2	Phenol	1800	U
129-00-0	Pyrene	800	J
95-95-4	2,4,5-Trichlorophenol	4300	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

SWF-SS-28

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72814

Sample wt/vol: 30.30 (g/mL) G Lab File ID: U17783.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	1800	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-29

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72815

Sample wt/vol: 30.58 (g/mL) G Lab File ID: U17784.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	3500	U
208-96-8	Acenaphthylene	260	J
98-86-2	Acetophenone	3500	U
120-12-7	Anthracene	420	J
1912-24-9	Atrazine	3500	U
100-52-7	Benzaldehyde	3500	U
56-55-3	Benzo(a)anthracene	2600	J
205-99-2	Benzo(b)fluoranthene	4100	
207-08-9	Benzo(k)fluoranthene	1400	J
191-24-2	Benzo(ghi)perylene	2200	J
50-32-8	Benzo(a)pyrene	2900	J
92-52-4	Biphenyl	3500	U
111-91-1	Bis(2-chloroethoxy) methane	3500	U
111-44-4	Bis(2-chloroethyl) ether	3500	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	3500	U
117-81-7	Bis(2-ethylhexyl) phthalate	3500	U
101-55-3	4-Bromophenyl phenyl ether	3500	U
85-68-7	Butyl benzyl phthalate	3500	U
105-60-2	Caprolactam	18,000 ~~3500~~	U
106-47-8	4-Chloroaniline	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-58-7	2-Chloronaphthalene	3500	U
95-57-8	2-Chlorophenol	3500	U
7005-72-3	4-Chlorophenyl phenyl ether	3500	U
86-74-8	Carbazole	210	J
218-01-9	Chrysene	2800	J
53-70-3	Dibenzo(a,h)anthracene	620	J
132-64-9	Dibenzofuran	270	J
84-74-2	Di-n-butyl phthalate	3500	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
120-83-2	2,4-Dichlorophenol	3500	U
84-66-2	Diethyl phthalate	3500	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-29

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72815

Sample wt/vol: 30.58 (g/mL) G Lab File ID: U17784.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	3500	U
131-11-3	Dimethyl phthalate	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	U
51-28-5	2,4-Dinitrophenol	17000	U
121-14-2	2,4-Dinitrotoluene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
117-84-0	Di-n-octyl phthalate	3500	U
206-44-0	Fluoranthene	4000	
86-73-7	Fluorene	3500	U
118-74-1	Hexachlorobenzene	3500	U
87-68-3	Hexachlorobutadiene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
67-72-1	Hexachloroethane	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	1700	J
78-59-1	Isophorone	3500	U
91-57-6	2-Methylnaphthalene	310	J
95-48-7	2-Methylphenol	3500	U
106-44-5	4-Methylphenol	3500	U
91-20-3	Naphthalene	1800	J
88-74-4	2-Nitroaniline	17000	U
99-09-2	3-Nitroaniline	17000	U
100-01-6	4-Nitroaniline	17000	U
98-95-3	Nitrobenzene	3500	U
88-75-5	2-Nitrophenol	3500	U
100-02-7	4-Nitrophenol	17000	U
86-30-6	N-nitrosodiphenylamine	3500	U
621-64-7	N-Nitroso-Di-n-propylamine	3500	U
87-86-5	Pentachlorophenol	17000	U
85-01-8	Phenanthrene	2300	J
108-95-2	Phenol	3500	U
129-00-0	Pyrene	3400	J
95-95-4	2,4,5-Trichlorophenol	8500	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: SWF-SS-29

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix: (soil/water) SOIL Lab Sample ID: A6E72815

Sample wt/vol: 30.58 (g/mL) G Lab File ID: U17784.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/2006 12/07/2006

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/13/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
88-06-2	2,4,6-Trichlorophenol	3500	U

STL BUFFALO

Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72816 **Client ID:** BLIND DUP 1 12/6/06

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 92 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**13400**	**mg/Kg**		J	**10.3**	10.3	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Antimony	<	15.5	mg/Kg	U	J	15.5	15.5	1	12/18/2006	15:57	SUPERTRACE	1121806	P
Arsenic		**6.7**	**mg/Kg**		J	**2.1**	2.1	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Barium		**144**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Beryllium		**2.0**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Cadmium		**3.1**	**mg/Kg**		J	**0.21**	0.21	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Calcium		**137000**	**mg/Kg**		J	**517**	517	**10**	**12/19/2006**	**16:14**	SUPERTRACE	112190x	P
Chromium		**870**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Cobalt		**3.0**	**mg/Kg**			**0.52**	0.52	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Copper		**54.0**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Iron		**117000**	**mg/Kg**		J	**103**	103	**10**	**12/19/2006**	**16:14**	SUPERTRACE	112190x	P
Lead		**120**	**mg/Kg**		J	**1.0**	1.0	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Magnesium		**18800**	**mg/Kg**		J	**20.7**	20.7	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Manganese		**17500**	**mg/Kg**			**2.1**	2.1	**10**	**12/21/2006**	**12:56**	SUPERTRACE	1122006	P
Nickel		**20.5**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Potassium		**1230**	**mg/Kg**			**31.0**	31.0	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Selenium	<	4.1	mg/Kg	U	J	4.1	4.1	1	12/18/2006	15:57	SUPERTRACE	1121806	P
Silver	<	0.52	mg/Kg	U	J	0.52	0.52	1	12/18/2006	15:57	SUPERTRACE	1121806	P
Mercury		**0.036**	**mg/Kg**			**0.019**	0.019	**1**	**12/18/2006**	**13:21:41**	LEEMAN PS2	L21218S1	CV
Sodium		**412**	**mg/Kg**			**145**	145	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Thallium	<	6.2	mg/Kg	U		6.2	6.2	1	12/18/2006	15:57	SUPERTRACE	1121806	P
Vanadium		**354**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P
Zinc		**360**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:57**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72817 **Client ID:** BLIND DUP 2 12/6/06

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 86 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**12500**	**mg/Kg**		J	**11.8**	11.8	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Antimony	<	17.7	mg/Kg	U	J	17.7	17.7	1	12/18/2006	16:03	SUPERTRACE	1121806	P
Arsenic		**19.5**	**mg/Kg**		J	**2.4**	2.4	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Barium		**96.5**	**mg/Kg**			**0.59**	0.59	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Beryllium		**2.1**	**mg/Kg**			**0.24**	0.24	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Cadmium		**4.3**	**mg/Kg**			**0.24**	0.24	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Calcium		**131000**	**mg/Kg**			**590**	590	**10**	**12/19/2006**	**16:19**	SUPERTRACE	112190x	P
Chromium		**408**	**mg/Kg**		J	**0.59**	0.59	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Cobalt		**4.9**	**mg/Kg**			**0.59**	0.59	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Copper		**46.4**	**mg/Kg**			**1.2**	1.2	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Iron		**155000**	**mg/Kg**		J	**118**	118	**10**	**12/19/2006**	**16:19**	SUPERTRACE	112190x	P
Lead		**88.8**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Magnesium		**22700**	**mg/Kg**		J	**23.6**	23.6	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Manganese		**5530**	**mg/Kg**			**2.1**	2.1	**10**	**12/21/2006**	**13:01**	SUPERTRACE	1122006	P
Nickel		**26.7**	**mg/Kg**		J	**0.59**	0.59	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Potassium		**1020**	**mg/Kg**			**35.4**	35.4	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Selenium	<	4.7	mg/Kg	U	J	4.7	4.7	1	12/18/2006	16:03	SUPERTRACE	1121806	P
Silver	<	0.59	mg/Kg	U		0.59	0.59	1	12/18/2006	16:03	SUPERTRACE	1121806	P
Mercury		**0.051**	**mg/Kg**		J	**0.019**	0.019	**1**	**12/18/2006**	**13:23:25**	LEEMAN PS2	L21218S1	CV
Sodium		**295**	**mg/Kg**			**165**	165	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Thallium	<	7.1	mg/Kg	U		7.1	7.1	1	12/18/2006	16:03	SUPERTRACE	1121806	P
Vanadium		**195**	**mg/Kg**			**0.59**	0.59	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P
Zinc		**339**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/18/2006**	**16:03**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72601 **Client ID:** SWF-SS-01

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 74 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**12000**	**mg/Kg**		**N* J**	**13.2**	13.2	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Antimony	<	19.8	mg/Kg	U	N* J	19.8	19.8	1	12/14/2006	05:18	SUPERTRACE2	A121306	P
Arsenic		**14.7**	**mg/Kg**		**N J**	**2.6**	2.6	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Barium		**120**	**mg/Kg**			**0.66**	0.66	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Beryllium		**1.8**	**mg/Kg**		**N***	**0.26**	0.26	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Cadmium		**2.1**	**mg/Kg**		**N***	**0.26**	0.26	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Calcium		**52300**	**mg/Kg**			**66.1**	66.1	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Chromium		**45.9**	**mg/Kg**		**E J**	**0.66**	0.66	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Cobalt		**5.1**	**mg/Kg**		**N**	**0.66**	0.66	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Copper		**46.8**	**mg/Kg**		**N**	**1.3**	1.3	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Iron		**55600**	**mg/Kg**		**E* J**	**13.2**	13.2	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Lead		**141**	**mg/Kg**		**NE* J**	**1.3**	1.3	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Magnesium		**9330**	**mg/Kg**		**E* J**	**26.4**	26.4	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Manganese		**5250**	**mg/Kg**		****	**1.3**	1.3	**5**	**12/18/2006**	**11:43**	SUPERTRACE2	A121806	P
Nickel		**17.5**	**mg/Kg**		**NE J**	**0.66**	0.66	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Potassium		**1160**	**mg/Kg**		**E**	**39.7**	39.7	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Selenium	<	5.3	mg/Kg	U	N* J	5.3	5.3	1	12/14/2006	05:18	SUPERTRACE2	A121306	P
Silver	<	0.68	mg/Kg	U		0.68	0.68	1	12/18/2006	19:25	SUPERTRACE2	A121806-1	P
Mercury		**0.203**	**mg/Kg**		****	**0.022**	0.022	**1**	**12/18/2006**	**12:12:53**	LEEMAN PS2	L21218S1	CV
Sodium		**269**	**mg/Kg**			**185**	185	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Thallium	<	7.9	mg/Kg	U	N*	7.9	7.9	1	12/14/2006	05:18	SUPERTRACE2	A121306	P
Vanadium		**37.9**	**mg/Kg**		**N***	**0.66**	0.66	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P
Zinc		**423**	**mg/Kg**		**E* J**	**1.3**	1.3	**1**	**12/14/2006**	**05:18**	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72602 **Client ID:** SWF-SS-02

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 90 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**14400**	**mg/Kg**		**N*J**	**11.5**	11.5	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Antimony	<	17.3	mg/Kg	U	N*J	17.3	17.3	1	12/14/2006	05:23	SUPERTRACE2	A121306	P
Arsenic		**4.6**	**mg/Kg**		**NJ**	**2.3**	2.3	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Barium		**121**	**mg/Kg**			**0.58**	0.58	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Beryllium		**2.7**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Cadmium		**0.83**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Calcium		**142000**	**mg/Kg**			**576**	576	**10**	**12/18/2006**	**11:48**	SUPERTRACE2	A121806	P
Chromium		**230**	**mg/Kg**		**EJ**	**0.58**	0.58	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Cobalt		**2.6**	**mg/Kg**		**N**	**0.58**	0.58	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Copper		**36.5**	**mg/Kg**		**N**	**1.2**	1.2	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Iron		**51500**	**mg/Kg**		**E*J**	**11.5**	11.5	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Lead		**128**	**mg/Kg**		**NE*J**	**1.2**	1.2	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Magnesium		**27000**	**mg/Kg**		**E*J**	**23.0**	23.0	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Manganese		**11300**	**mg/Kg**		****	**2.3**	2.3	**10**	**12/18/2006**	**11:48**	SUPERTRACE2	A121806	P
Nickel		**13.3**	**mg/Kg**		**NEJ**	**0.58**	0.58	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Potassium		**1350**	**mg/Kg**		**E**	**34.6**	34.6	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Selenium	<	4.6	mg/Kg	U	N*J	4.6	4.6	1	12/14/2006	05:23	SUPERTRACE2	A121306	P
Silver		**0.95**	**mg/Kg**			**0.57**	0.57	**1**	**12/18/2006**	**19:30**	SUPERTRACE2	A121806-1	P
Mercury		**0.052**	**mg/Kg**		****	**0.019**	0.019	**1**	**12/18/2006**	**12:14:06**	LEEMAN PS2	L21218S1	CV
Sodium		**499**	**mg/Kg**			**161**	161	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Thallium	<	6.9	mg/Kg	U	N*	6.9	6.9	1	12/14/2006	05:23	SUPERTRACE2	A121306	P
Vanadium		**164**	**mg/Kg**		**N***	**0.58**	0.58	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P
Zinc		**507**	**mg/Kg**		**E*J**	**1.2**	1.2	**1**	**12/14/2006**	**05:23**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72603 **Client ID:** SWF-SS-03

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 90 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**8840**	**mg/Kg**		N* J	**10.7**	10.7	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Antimony	<	16.1	mg/Kg	U	N* J	16.1	16.1	1	12/14/2006	05:28	SUPERTRACE2	A121306	P
Arsenic		**5.9**	**mg/Kg**		N J	**2.1**	2.1	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Barium		**83.5**	**mg/Kg**			**0.54**	0.54	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Beryllium		**1.5**	**mg/Kg**		N*	**0.21**	0.21	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Cadmium		**0.70**	**mg/Kg**		N*	**0.21**	0.21	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Calcium		**151000**	**mg/Kg**			**536**	536	**10**	**12/18/2006**	**11:53**	SUPERTRACE2	A121806	P
Chromium		**286**	**mg/Kg**		E J	**0.54**	0.54	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Cobalt		**2.2**	**mg/Kg**		N	**0.54**	0.54	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Copper		**37.7**	**mg/Kg**		N	**1.1**	1.1	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Iron		**49500**	**mg/Kg**		E* J	**10.7**	10.7	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Lead		**83.2**	**mg/Kg**		NE* J	**1.1**	1.1	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Magnesium		**16200**	**mg/Kg**		E* J	**21.5**	21.5	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Manganese		**18000**	**mg/Kg**		*	**2.1**	2.1	**10**	**12/18/2006**	**11:53**	SUPERTRACE2	A121806	P
Nickel		**18.5**	**mg/Kg**		NE J	**0.54**	0.54	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Potassium		**647**	**mg/Kg**		E	**32.2**	32.2	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Selenium		**4.9**	**mg/Kg**		N* J	**4.3**	4.3	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Silver		**0.96**	**mg/Kg**			**0.57**	0.57	**1**	**12/18/2006**	**19:46**	SUPERTRACE2	A121806-1	P
Mercury		**0.182**	**mg/Kg**		*	**0.019**	0.019	**1**	**12/18/2006**	**12:15:30**	LEEMAN PS2	L21218S1	CV
Sodium		**282**	**mg/Kg**			**150**	150	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Thallium	<	6.4	mg/Kg	U	N*	6.4	6.4	1	12/14/2006	05:28	SUPERTRACE2	A121306	P
Vanadium		**189**	**mg/Kg**		N*	**0.54**	0.54	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P
Zinc		**232**	**mg/Kg**		E* J	**1.1**	1.1	**1**	**12/14/2006**	**05:28**	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72604 **Client ID:** SWF-SS-04

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 83 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**3020**	**mg/Kg**		**N*** J	**12.1**	12.1	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Antimony	<	18.1	mg/Kg	U	N* J	18.1	18.1	1	12/14/2006	05:33	SUPERTRACE2	A121306	P
Arsenic		**28.3**	**mg/Kg**		**N** J	**2.4**	2.4	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Barium		**39.6**	**mg/Kg**			**0.60**	0.60	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Beryllium		**0.65**	**mg/Kg**		**N***	**0.24**	0.24	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Cadmium	<	0.24	mg/Kg	U	N*	0.24	0.24	1	12/14/2006	05:33	SUPERTRACE2	A121306	P
Calcium		**8100**	**mg/Kg**			**60.4**	60.4	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Chromium		**13.7**	**mg/Kg**		**E** J	**0.60**	0.60	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Cobalt		**2.0**	**mg/Kg**		**N**	**0.60**	0.60	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Copper		**13.8**	**mg/Kg**		**N**	**1.2**	1.2	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Iron		**8400**	**mg/Kg**		**E*** J	**12.1**	12.1	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Lead		**22.0**	**mg/Kg**		**NE*** J	**1.2**	1.2	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Magnesium		**982**	**mg/Kg**		**E*** J	**24.2**	24.2	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Manganese		**573**	**mg/Kg**		*	**0.24**	0.24	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Nickel		**8.1**	**mg/Kg**		**NE** J	**0.60**	0.60	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Potassium		**260**	**mg/Kg**		**E**	**36.2**	36.2	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Selenium	<	4.8	mg/Kg	U	N* J	4.8	4.8	1	12/14/2006	05:33	SUPERTRACE2	A121306	P
Silver	<	0.60	mg/Kg	U		0.60	0.60	1	12/18/2006	19:51	SUPERTRACE2	A121806-1	P
Mercury		**0.069**	**mg/Kg**		*	**0.021**	0.021	**1**	**12/18/2006**	**12:16:50**	LEEMAN PS2	L21218S1	CV
Sodium	<	169	mg/Kg	U		169	169	1	12/14/2006	05:33	SUPERTRACE2	A121306	P
Thallium	<	7.2	mg/Kg	U	N*	7.2	7.2	1	12/14/2006	05:33	SUPERTRACE2	A121306	P
Vanadium		**14.8**	**mg/Kg**		**N***	**0.60**	0.60	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P
Zinc		**34.0**	**mg/Kg**		**E*** J	**1.2**	1.2	**1**	**12/14/2006**	**05:33**	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72605 **Client ID:** SWF-SS-05

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 89 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**4310**	**mg/Kg**		**N***	**11.1**	11.1	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Antimony	<	16.6	mg/Kg	U	N*	16.6	16.6	1	12/14/2006	05:37	SUPERTRACE2	A121306	P
Arsenic		**3.3**	**mg/Kg**		**N**	**2.2**	2.2	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Barium		**127**	**mg/Kg**			**0.55**	0.55	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Beryllium		**0.34**	**mg/Kg**		**N***	**0.22**	0.22	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Cadmium		**0.87**	**mg/Kg**		**N***	**0.22**	0.22	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Calcium		**98500**	**mg/Kg**			**554**	554	**10**	**12/18/2006**	**11:58**	SUPERTRACE2	A121806	P
Chromium		**313**	**mg/Kg**		**E**	**0.55**	0.55	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Cobalt		**2.6**	**mg/Kg**		**N**	**0.55**	0.55	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Copper		**33.1**	**mg/Kg**		**N**	**1.1**	1.1	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Iron		**75100**	**mg/Kg**		**E***	**11.1**	11.1	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Lead		**81.1**	**mg/Kg**		**NE***	**1.1**	1.1	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Magnesium		**27200**	**mg/Kg**		**E***	**22.2**	22.2	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Manganese		**21700**	**mg/Kg**		*	**2.2**	2.2	**10**	**12/18/2006**	**11:58**	SUPERTRACE2	A121806	P
Nickel		**14.4**	**mg/Kg**		**NE**	**0.55**	0.55	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Potassium		**221**	**mg/Kg**		**E**	**33.2**	33.2	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Selenium		**6.5**	**mg/Kg**		**N***	**4.4**	4.4	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Silver		**0.95**	**mg/Kg**			**0.54**	0.54	**1**	**12/18/2006**	**19:56**	SUPERTRACE2	A121806-1	P
Mercury		**0.587**	**mg/Kg**		*	**0.020**	0.020	**1**	**12/18/2006**	**12:18:00**	LEEMAN PS2	L21218S1	CV
Sodium		**292**	**mg/Kg**			**155**	155	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Thallium	<	6.6	mg/Kg	U	N*	6.6	6.6	1	12/14/2006	05:37	SUPERTRACE2	A121306	P
Vanadium		**216**	**mg/Kg**		**N***	**0.55**	0.55	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P
Zinc		**209**	**mg/Kg**		**E***	**1.1**	1.1	**1**	**12/14/2006**	**05:37**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72606 **Client ID:** SWF-SS-06

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 88 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**4840**	**mg/Kg**		**N***	**10.8**	10.8	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Antimony	<	16.2	mg/Kg	U	N*	16.2	16.2	1	12/14/2006	05:42	SUPERTRACE2	A121306	P
Arsenic		**3.2**	**mg/Kg**		**N**	**2.2**	2.2	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Barium		**120**	**mg/Kg**			**0.54**	0.54	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Beryllium		**0.38**	**mg/Kg**		**N***	**0.22**	0.22	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Cadmium		**0.54**	**mg/Kg**		**N***	**0.22**	0.22	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Calcium		**131000**	**mg/Kg**			**540**	540	**10**	**12/18/2006**	**16:46**	SUPERTRACE2	A121806-1	P
Chromium		**425**	**mg/Kg**		**E**	**0.54**	0.54	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Cobalt		**3.0**	**mg/Kg**		**N**	**0.54**	0.54	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Copper		**27.5**	**mg/Kg**		**N**	**1.1**	1.1	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Iron		**77400**	**mg/Kg**		**E***	**10.8**	10.8	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Lead		**68.4**	**mg/Kg**		**NE***	**1.1**	1.1	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Magnesium		**55700**	**mg/Kg**		**E***	**21.6**	21.6	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Manganese		**30300**	**mg/Kg**		*	**4.3**	4.3	**20**	**12/19/2006**	**13:13**	SUPERTRACE	112190x	P
Nickel		**19.8**	**mg/Kg**		**NE**	**0.54**	0.54	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Potassium		**265**	**mg/Kg**		**E**	**32.4**	32.4	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Selenium		**7.3**	**mg/Kg**		**N***	**4.3**	4.3	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Silver		**1.8**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**20:01**	SUPERTRACE2	A121806-1	P
Mercury	<	0.018	mg/Kg	U	*	0.018	0.018	1	12/18/2006	12:19:10	LEEMAN PS2	L21218S1	CV
Sodium		**432**	**mg/Kg**			**151**	151	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Thallium	<	6.5	mg/Kg	U	N*	6.5	6.5	1	12/14/2006	05:42	SUPERTRACE2	A121306	P
Vanadium		**308**	**mg/Kg**		**N***	**0.54**	0.54	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P
Zinc		**223**	**mg/Kg**		**E***	**1.1**	1.1	**1**	**12/14/2006**	**05:42**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72607 **Client ID:** SWF-SS-07

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 90 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**18400**	**mg/Kg**		**N*** J	**11.3**	11.3	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Antimony	<	16.9	mg/Kg	U	N* J	16.9	16.9	1	12/14/2006	05:59	SUPERTRACE2	A121306	P
Arsenic		**6.2**	**mg/Kg**		**N** J	**2.3**	2.3	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Barium		**604**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Beryllium		**2.8**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Cadmium		**1.5**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Calcium		**169000**	**mg/Kg**			**563**	563	**10**	**12/18/2006**	**16:51**	SUPERTRACE2	A121806-1	P
Chromium		**388**	**mg/Kg**		**E** J	**0.56**	0.56	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Cobalt		**2.1**	**mg/Kg**		**N**	**0.56**	0.56	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Copper		**51.8**	**mg/Kg**		**N**	**1.1**	1.1	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Iron		**50900**	**mg/Kg**		**E*** J	**11.3**	11.3	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Lead		**121**	**mg/Kg**		**NE*** J	**1.1**	1.1	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Magnesium		**21900**	**mg/Kg**		**E*** J	**22.5**	22.5	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Manganese		**19600**	**mg/Kg**		*	**2.3**	2.3	**10**	**12/18/2006**	**16:51**	SUPERTRACE2	A121806-1	P
Nickel		**17.4**	**mg/Kg**		**NE** J	**0.56**	0.56	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Potassium		**1660**	**mg/Kg**		**E**	**33.8**	33.8	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Selenium		**6.3**	**mg/Kg**		**N*** J	**4.5**	4.5	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Silver		**2.5**	**mg/Kg**		J	**0.53**	0.53	**1**	**12/18/2006**	**20:06**	SUPERTRACE2	A121806-1	P
Mercury		**0.031**	**mg/Kg**		*	**0.018**	0.018	**1**	**12/18/2006**	**12:20:24**	LEEMAN PS2	L21218S1	CV
Sodium		**637**	**mg/Kg**			**158**	158	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Thallium	<	6.8	mg/Kg	U	N*	6.8	6.8	1	12/14/2006	05:59	SUPERTRACE2	A121306	P
Vanadium		**259**	**mg/Kg**		**N***	**0.56**	0.56	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P
Zinc		**269**	**mg/Kg**		**E*** J	**1.1**	1.1	**1**	**12/14/2006**	**05:59**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72608 **Client ID:** SWF-SS-08

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 92 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**7220**	**mg/Kg**		**N*** J	**11.5**	11.5	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Antimony	<	17.2	mg/Kg	U	N* J	17.2	17.2	1	12/14/2006	06:03	SUPERTRACE2	A121306	P
Arsenic		**8.1**	**mg/Kg**		**N** J	**2.3**	2.3	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Barium		**109**	**mg/Kg**			**0.57**	0.57	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Beryllium		**1.2**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Cadmium		**0.45**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Calcium		**121000**	**mg/Kg**			**1150**	1150	**20**	**12/18/2006**	**16:56**	SUPERTRACE2	A121806-1	P
Chromium		**353**	**mg/Kg**		**E** J	**0.57**	0.57	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Cobalt		**3.2**	**mg/Kg**		**N**	**0.57**	0.57	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Copper		**53.9**	**mg/Kg**		**N**	**1.1**	1.1	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Iron		**86400**	**mg/Kg**		**E*** J	**11.5**	11.5	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Lead		**160**	**mg/Kg**		**NE*** J	**1.1**	1.1	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Magnesium		**22300**	**mg/Kg**		**E*** J	**22.9**	22.9	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Manganese		**44300**	**mg/Kg**		*	**4.6**	4.6	**20**	**12/18/2006**	**16:56**	SUPERTRACE2	A121806-1	P
Nickel		**13.4**	**mg/Kg**		**NE** J	**0.57**	0.57	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Potassium		**617**	**mg/Kg**		**E**	**34.4**	34.4	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Selenium		**13.2**	**mg/Kg**		**N*** J	**4.6**	4.6	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Silver		**1.8**	**mg/Kg**			**0.54**	0.54	**1**	**12/18/2006**	**20:11**	SUPERTRACE2	A121806-1	P
Mercury		**0.099**	**mg/Kg**		*	**0.018**	0.018	**1**	**12/18/2006**	**12:22:07**	LEEMAN PS2	L21218S1	CV
Sodium		**353**	**mg/Kg**			**160**	160	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Thallium		**10.0**	**mg/Kg**		**N***	**6.9**	6.9	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Vanadium		**357**	**mg/Kg**		**N***	**0.57**	0.57	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P
Zinc		**283**	**mg/Kg**		**E*** J	**1.1**	1.1	**1**	**12/14/2006**	**06:03**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72609 **Client ID:** SWF-SS-09

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 86 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**7590**	**mg/Kg**		**N*** J	**11.3**	11.3	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Antimony	<	17.0	mg/Kg	U	N* J	17.0	17.0	1	12/14/2006	06:28	SUPERTRACE2	A121306	P
Arsenic		**11.2**	**mg/Kg**		N J	**2.3**	2.3	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Barium		**60.4**	**mg/Kg**			**0.57**	0.57	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Beryllium		**1.1**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Cadmium		**1.4**	**mg/Kg**		**N***	**0.23**	0.23	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Calcium		**55800**	**mg/Kg**			**284**	284	**5**	**12/18/2006**	**17:20**	SUPERTRACE2	A121806-1	P
Chromium		**193**	**mg/Kg**		**E**	**0.57**	0.57	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Cobalt		**6.7**	**mg/Kg**		**N** J	**0.57**	0.57	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Copper		**70.2**	**mg/Kg**		**N**	**1.1**	1.1	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Iron		**80400**	**mg/Kg**		**E***	**11.3**	11.3	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Lead		**97.0**	**mg/Kg**		**NE***	**1.1**	1.1	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Magnesium		**28300**	**mg/Kg**		**E***	**22.7**	22.7	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Manganese		**6310**	**mg/Kg**		*	**1.1**	1.1	**5**	**12/18/2006**	**17:20**	SUPERTRACE2	A121806-1	P
Nickel		**33.1**	**mg/Kg**		**NE** J	**0.57**	0.57	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Potassium		**341**	**mg/Kg**		**E** J	**34.0**	34.0	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Selenium		**6.0**	**mg/Kg**		**N*** J	**4.5**	4.5	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Silver		**0.63**	**mg/Kg**			**0.56**	0.56	**1**	**12/18/2006**	**20:46**	SUPERTRACE2	A121806-1	P
Mercury		**0.121**	**mg/Kg**		*	**0.020**	0.020	**1**	**12/18/2006**	**12:30:18**	LEEMAN PS2	L21218S1	CV
Sodium		**253**	**mg/Kg**			**159**	159	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Thallium	<	6.8	mg/Kg	U	N*	6.8	6.8	1	12/14/2006	06:28	SUPERTRACE2	A121306	P
Vanadium		**91.6**	**mg/Kg**		**N***	**0.57**	0.57	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P
Zinc		**215**	**mg/Kg**		**E***	**1.1**	1.1	**1**	**12/14/2006**	**06:28**	SUPERTRACE2	A121306	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72610 **Client ID:** SWF-SS-10

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 88 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**12200**	**mg/Kg**		**N*** J	**11.2**	11.2	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Antimony	<	16.8	mg/Kg	U	N* J	16.8	16.8	1	12/14/2006	07:04	SUPERTRACE2	A121306	P
Arsenic		**7.7**	**mg/Kg**		**N** J	**2.2**	2.2	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Barium		**80.6**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Beryllium		**1.5**	**mg/Kg**		**N***	**0.22**	0.22	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Cadmium		**0.23**	**mg/Kg**		**N*** J	**0.22**	0.22	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Calcium		**35000**	**mg/Kg**		J	**55.9**	55.9	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Chromium		**55.5**	**mg/Kg**		**E** J	**0.56**	0.56	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Cobalt		**4.3**	**mg/Kg**		**N**	**0.56**	0.56	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Copper		**37.7**	**mg/Kg**		**N**	**1.1**	1.1	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Iron		**53400**	**mg/Kg**		**E*** J	**11.2**	11.2	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Lead		**51.6**	**mg/Kg**		**NE*** J	**1.1**	1.1	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Magnesium		**5500**	**mg/Kg**		**E*** J	**22.4**	22.4	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Manganese		**6490**	**mg/Kg**		*****	**1.1**	1.1	**5**	**12/18/2006**	**17:56**	SUPERTRACE2	A121806-1	P
Nickel		**17.7**	**mg/Kg**		**NE** J	**0.56**	0.56	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Potassium		**986**	**mg/Kg**		**E**	**33.5**	33.5	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Selenium	<	4.5	mg/Kg	U	N* J	4.5	4.5	1	12/14/2006	07:04	SUPERTRACE2	A121306	P
Silver		**0.85**	**mg/Kg**		J	**0.57**	0.57	**1**	**12/18/2006**	**21:11**	SUPERTRACE2	A121806-1	P
Mercury		**0.053**	**mg/Kg**		*****	**0.020**	0.020	**1**	**12/18/2006**	**12:34:18**	LEEMAN PS2	L21218S1	CV
Sodium		**268**	**mg/Kg**			**157**	157	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Thallium	<	6.7	mg/Kg	U	N*	6.7	6.7	1	12/14/2006	07:04	SUPERTRACE2	A121306	P
Vanadium		**34.7**	**mg/Kg**		**N*** J	**0.56**	0.56	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P
Zinc		**128**	**mg/Kg**		**E*** J	**1.1**	1.1	**1**	**12/14/2006**	**07:04**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72611 **Client ID:** SWF-SS-11

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 94 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**22900**	**mg/Kg**		**N*** J	**10.2**	10.2	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Antimony	<	15.4	mg/Kg	U	N* J	15.4	15.4	1	12/14/2006	07:09	SUPERTRACE2	A121306	P
Arsenic		**3.0**	**mg/Kg**		N J	**2.0**	2.0	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Barium		**195**	**mg/Kg**			**0.51**	0.51	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Beryllium		**3.4**	**mg/Kg**		**N***	**0.20**	0.20	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Cadmium	<	0.20	mg/Kg	U	N*	0.20	0.20	1	12/14/2006	07:09	SUPERTRACE2	A121306	P
Calcium		**204000**	**mg/Kg**			**512**	512	**10**	**12/18/2006**	**18:01**	SUPERTRACE2	A121806-1	P
Chromium		**167**	**mg/Kg**		**E** J	**0.51**	0.51	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Cobalt		**1.8**	**mg/Kg**		**N**	**0.51**	0.51	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Copper		**55.6**	**mg/Kg**		**N**	**1.0**	1.0	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Iron		**34600**	**mg/Kg**		**E*** J	**10.2**	10.2	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Lead		**23.3**	**mg/Kg**		**NE*** J	**1.0**	1.0	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Magnesium		**19900**	**mg/Kg**		**E***	**20.5**	20.5	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Manganese		**11200**	**mg/Kg**		*	**2.0**	2.0	**10**	**12/18/2006**	**18:01**	SUPERTRACE2	A121806-1	P
Nickel		**9.6**	**mg/Kg**		**NE** J	**0.51**	0.51	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Potassium		**1470**	**mg/Kg**		**E**	**30.7**	30.7	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Selenium		**4.7**	**mg/Kg**		**N*** J	**4.1**	4.1	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Silver		**0.57**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**21:16**	SUPERTRACE2	A121806-1	P
Mercury	<	0.017	mg/Kg	U	*	0.017	0.017	1	12/18/2006	12:35:34	LEEMAN PS2	L21218S1	CV
Sodium		**658**	**mg/Kg**			**143**	143	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Thallium	<	6.1	mg/Kg	U	N*	6.1	6.1	1	12/14/2006	07:09	SUPERTRACE2	A121306	P
Vanadium		**131**	**mg/Kg**		**N***	**0.51**	0.51	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P
Zinc		**33.2**	**mg/Kg**		**E*** J	**1.0**	1.0	**1**	**12/14/2006**	**07:09**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72612 **Client ID:** SWF-SS-12

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 85 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31881 **Prep Date:** 12/13/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**3970**	**mg/Kg**		**N*J**	**12.2**	12.2	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Antimony	<	18.4	mg/Kg	U	N*J	18.4	18.4	1	12/14/2006	07:14	SUPERTRACE2	A121306	P
Arsenic		**3.7**	**mg/Kg**		**NJ**	**2.4**	2.4	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Barium		**21.8**	**mg/Kg**			**0.61**	0.61	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Beryllium		**0.51**	**mg/Kg**		**N***	**0.24**	0.24	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Cadmium		**0.25**	**mg/Kg**		**N***	**0.24**	0.24	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Calcium		**201000**	**mg/Kg**			**612**	612	**10**	**12/18/2006**	**18:06**	SUPERTRACE2	A121806-1	P
Chromium		**518**	**mg/Kg**		**EJ**	**0.61**	0.61	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Cobalt		**2.8**	**mg/Kg**		**N**	**0.61**	0.61	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Copper		**21.4**	**mg/Kg**		**N**	**1.2**	1.2	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Iron		**132000**	**mg/Kg**		**E*J**	**122**	122	**10**	**12/18/2006**	**18:06**	SUPERTRACE2	A121806-1	P
Lead		**85.3**	**mg/Kg**		**NE*J**	**1.2**	1.2	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Magnesium		**27600**	**mg/Kg**		**E*J**	**24.5**	24.5	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Manganese		**18700**	**mg/Kg**		****	**2.4**	2.4	**10**	**12/18/2006**	**18:06**	SUPERTRACE2	A121806-1	P
Nickel		**19.1**	**mg/Kg**		**NEJ**	**0.61**	0.61	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Potassium		**174**	**mg/Kg**		**E**	**36.7**	36.7	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Selenium		**10.9**	**mg/Kg**		**N*J**	**4.9**	4.9	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Silver		**0.77**	**mg/Kg**			**0.60**	0.60	**1**	**12/18/2006**	**21:21**	SUPERTRACE2	A121806-1	P
Mercury		**0.057**	**mg/Kg**		****	**0.020**	0.020	**1**	**12/18/2006**	**12:36:45**	LEEMAN PS2	L21218S1	CV
Sodium	<	171	mg/Kg	U		171	171	1	12/14/2006	07:14	SUPERTRACE2	A121306	P
Thallium	<	7.3	mg/Kg	U	N*	7.3	7.3	1	12/14/2006	07:14	SUPERTRACE2	A121306	P
Vanadium		**338**	**mg/Kg**		**N***	**0.61**	0.61	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P
Zinc		**77.1**	**mg/Kg**		**E*J**	**1.2**	1.2	**1**	**12/14/2006**	**07:14**	SUPERTRACE2	A121306	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72801 **Client ID:** SWF-SS-13

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 85 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**6190**	**mg/Kg**		J	**11.7**	11.7	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Antimony	<	17.5	mg/Kg	U	J	17.5	17.5	1	12/18/2006	14:17	SUPERTRACE	1121806	P
Arsenic		**5.3**	**mg/Kg**		J	**2.3**	2.3	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Barium		**34.5**	**mg/Kg**			**0.58**	0.58	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Beryllium		**0.95**	**mg/Kg**			**0.23**	0.23	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Cadmium		**3.0**	**mg/Kg**			**0.23**	0.23	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Calcium		**225000**	**mg/Kg**			**1170**	1170	**20**	**12/19/2006**	**14:19**	SUPERTRACE	112190x	P
Chromium		**748**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Cobalt		**1.8**	**mg/Kg**			**0.58**	0.58	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Copper		**48.7**	**mg/Kg**			**1.2**	1.2	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Iron		**152000**	**mg/Kg**		J	**233**	233	**20**	**12/19/2006**	**14:19**	SUPERTRACE	112190x	P
Lead		**64.7**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Magnesium		**33500**	**mg/Kg**		J	**23.3**	23.3	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Manganese		**24900**	**mg/Kg**			**4.5**	4.5	**20**	**12/21/2006**	**11:16**	SUPERTRACE	1122006	P
Nickel		**33.5**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Potassium		**393**	**mg/Kg**			**35.0**	35.0	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Selenium	<	4.7	mg/Kg	U	J	4.7	4.7	1	12/18/2006	14:17	SUPERTRACE	1121806	P
Silver	<	0.58	mg/Kg	U		0.58	0.58	1	12/18/2006	14:17	SUPERTRACE	1121806	P
Mercury		**0.103**	**mg/Kg**		J	**0.020**	0.020	**1**	**12/18/2006**	**12:52:56**	LEEMAN PS2	L21218S1	CV
Sodium	<	163	mg/Kg	U		163	163	1	12/18/2006	14:17	SUPERTRACE	1121806	P
Thallium	<	7.0	mg/Kg	U		7.0	7.0	1	12/18/2006	14:17	SUPERTRACE	1121806	P
Vanadium		**517**	**mg/Kg**			**0.58**	0.58	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P
Zinc		**588**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/18/2006**	**14:17**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72802 **Client ID:** SWF-SS-14

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 90 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**8080**	**mg/Kg**		J	**11.2**	11.2	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Antimony	<	16.7	mg/Kg	U	J	16.7	16.7	1	12/18/2006	14:22	SUPERTRACE	1121806	P
Arsenic		**9.0**	**mg/Kg**		J	**2.2**	2.2	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Barium		**61.9**	**mg/Kg**			**0.56**	0.56	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Beryllium		**0.90**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Cadmium		**3.5**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Calcium		**181000**	**mg/Kg**			**1120**	1120	**20**	**12/19/2006**	**14:24**	SUPERTRACE	112190x	P
Chromium		**804**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Cobalt		**3.8**	**mg/Kg**			**0.56**	0.56	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Copper		**104**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Iron		**167000**	**mg/Kg**		J	**223**	223	**20**	**12/19/2006**	**14:24**	SUPERTRACE	112190x	P
Lead		**114**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Magnesium		**20300**	**mg/Kg**		J	**22.3**	22.3	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Manganese		**20900**	**mg/Kg**			**4.1**	4.1	**20**	**12/21/2006**	**11:21**	SUPERTRACE	1122006	P
Nickel		**91.7**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Potassium		**370**	**mg/Kg**			**33.5**	33.5	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Selenium	<	4.5	mg/Kg	U	J	4.5	4.5	1	12/18/2006	14:22	SUPERTRACE	1121806	P
Silver	<	0.56	mg/Kg	U		0.56	0.56	1	12/18/2006	14:22	SUPERTRACE	1121806	P
Mercury		**0.141**	**mg/Kg**		J	**0.019**	0.019	**1**	**12/18/2006**	**13:00:42**	LEEMAN PS2	L21218S1	CV
Sodium	<	156	mg/Kg	U		156	156	1	12/18/2006	14:22	SUPERTRACE	1121806	P
Thallium	<	6.7	mg/Kg	U		6.7	6.7	1	12/18/2006	14:22	SUPERTRACE	1121806	P
Vanadium		**438**	**mg/Kg**			**0.56**	0.56	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P
Zinc		**327**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:22**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72803 **Client ID:** SWF-SS-15

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 88 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**2130**	**mg/Kg**		J	**11.5**	11.5	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Antimony	<	17.3	mg/Kg	U	J	17.3	17.3	1	12/18/2006	14:40	SUPERTRACE	1121806	P
Arsenic		**24.0**	**mg/Kg**		J	**2.3**	2.3	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Barium		**16.1**	**mg/Kg**			**0.58**	0.58	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Beryllium		**1.0**	**mg/Kg**			**0.23**	0.23	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Cadmium		**9.7**	**mg/Kg**			**0.23**	0.23	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Calcium		**184000**	**mg/Kg**			**1150**	1150	**20**	**12/19/2006**	**14:29**	SUPERTRACE	112190x	P
Chromium		**725**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Cobalt		**13.6**	**mg/Kg**			**0.58**	0.58	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Copper		**162**	**mg/Kg**			**1.2**	1.2	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Iron		**477000**	**mg/Kg**		J	**231**	231	**20**	**12/19/2006**	**14:29**	SUPERTRACE	112190x	P
Lead		**9.1**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Magnesium		**23800**	**mg/Kg**		J	**23.1**	23.1	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Manganese		**25800**	**mg/Kg**			**4.3**	4.3	**20**	**12/21/2006**	**11:29**	SUPERTRACE	1122006	P
Nickel		**73.3**	**mg/Kg**		J	**0.58**	0.58	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Potassium		**42.4**	**mg/Kg**			**34.6**	34.6	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Selenium	<	4.6	mg/Kg	U	J	4.6	4.6	1	12/18/2006	14:40	SUPERTRACE	1121806	P
Silver	<	0.58	mg/Kg	U		0.58	0.58	1	12/18/2006	14:40	SUPERTRACE	1121806	P
Mercury	<	0.018	mg/Kg	U	J	0.018	0.018	1	12/18/2006	13:01:57	LEEMAN PS2	L21218S1	CV
Sodium	<	161	mg/Kg	U		161	161	1	12/18/2006	14:40	SUPERTRACE	1121806	P
Thallium	<	6.9	mg/Kg	U		6.9	6.9	1	12/18/2006	14:40	SUPERTRACE	1121806	P
Vanadium		**407**	**mg/Kg**			**0.58**	0.58	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P
Zinc		**31.2**	**mg/Kg**		J	**1.2**	1.2	**1**	**12/18/2006**	**14:40**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72804 **Client ID:** SWF-SS-16

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 90 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**3470**	**mg/Kg**		J	**11.4**	11.4	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Antimony	<	17.1	mg/Kg	U	J	17.1	17.1	1	12/18/2006	14:45	SUPERTRACE	1121806	P
Arsenic	<	2.3	mg/Kg	U	J	2.3	2.3	1	12/18/2006	14:45	SUPERTRACE	1121806	P
Barium		**26.7**	**mg/Kg**			**0.57**	0.57	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Beryllium		**0.97**	**mg/Kg**			**0.23**	0.23	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Cadmium		**3.1**	**mg/Kg**			**0.23**	0.23	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Calcium		**308000**	**mg/Kg**			**1140**	1140	**20**	**12/19/2006**	**14:47**	SUPERTRACE	112190x	P
Chromium		**1190**	**mg/Kg**		J	**0.57**	0.57	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Cobalt	<	0.57	mg/Kg	U		0.57	0.57	1	12/18/2006	14:45	SUPERTRACE	1121806	P
Copper		**6.6**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Iron		**174000**	**mg/Kg**		J	**227**	227	**20**	**12/19/2006**	**14:47**	SUPERTRACE	112190x	P
Lead		**8.9**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Magnesium		**20100**	**mg/Kg**		J	**22.7**	22.7	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Manganese		**26500**	**mg/Kg**			**4.2**	4.2	**20**	**12/21/2006**	**11:34**	SUPERTRACE	1122006	P
Nickel		**0.98**	**mg/Kg**		J	**0.57**	0.57	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Potassium		**75.7**	**mg/Kg**			**34.1**	34.1	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Selenium		**5.5**	**mg/Kg**		J	**4.5**	4.5	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Silver	<	0.57	mg/Kg	U		0.57	0.57	1	12/18/2006	14:45	SUPERTRACE	1121806	P
Mercury	<	0.019	mg/Kg	U	J	0.019	0.019	1	12/18/2006	13:03:10	LEEMAN PS2	L21218S1	CV
Sodium	<	159	mg/Kg	U		159	159	1	12/18/2006	14:45	SUPERTRACE	1121806	P
Thallium	<	6.8	mg/Kg	U		6.8	6.8	1	12/18/2006	14:45	SUPERTRACE	1121806	P
Vanadium		**686**	**mg/Kg**			**0.57**	0.57	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P
Zinc		**12.6**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:45**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72805 **Client ID:** SWF-SS-17

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 88 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**14500**	**mg/Kg**		J	**11.0**	11.0	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Antimony	<	16.5	mg/Kg	U	J	16.5	16.5	1	12/18/2006	14:50	SUPERTRACE	1121806	P
Arsenic		**14.1**	**mg/Kg**		J	**2.2**	2.2	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Barium		**117**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Beryllium		**2.8**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Cadmium		**5.2**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Calcium		**86400**	**mg/Kg**			**55.0**	55.0	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Chromium		**212**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Cobalt		**7.3**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Copper		**69.6**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Iron		**196000**	**mg/Kg**		J	**110**	110	**10**	**12/19/2006**	**14:53**	SUPERTRACE	112190x	P
Lead		**144**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Magnesium		**19000**	**mg/Kg**		J	**22.0**	22.0	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Manganese		**4840**	**mg/Kg**			**2.2**	2.2	**10**	**12/21/2006**	**11:52**	SUPERTRACE	1122006	P
Nickel		**98.0**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Potassium		**1080**	**mg/Kg**			**33.0**	33.0	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Selenium	<	4.4	mg/Kg	U	J	4.4	4.4	1	12/18/2006	14:50	SUPERTRACE	1121806	P
Silver	<	0.55	mg/Kg	U		0.55	0.55	1	12/18/2006	14:50	SUPERTRACE	1121806	P
Mercury		**0.089**	**mg/Kg**		J	**0.020**	0.020	**1**	**12/18/2006**	**13:04:22**	LEEMAN PS2	L21218S1	CV
Sodium		**485**	**mg/Kg**			**154**	154	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Thallium	<	6.6	mg/Kg	U		6.6	6.6	1	12/18/2006	14:50	SUPERTRACE	1121806	P
Vanadium		**89.6**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P
Zinc		**141**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:50**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72806 **Client ID:** SWF-SS-18

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 91 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**17900**	**mg/Kg**		J	**10.8**	10.8	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Antimony	<	16.3	mg/Kg	U	J	16.3	16.3	1	12/18/2006	14:56	SUPERTRACE	1121806	P
Arsenic		**14.0**	**mg/Kg**		J	**2.2**	2.2	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Barium		**121**	**mg/Kg**			**0.54**	0.54	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Beryllium		**3.4**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Cadmium		**2.4**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Calcium		**130000**	**mg/Kg**			**271**	271	**5**	**12/19/2006**	**14:58**	SUPERTRACE	112190x	P
Chromium		**83.9**	**mg/Kg**		J	**0.54**	0.54	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Cobalt		**6.4**	**mg/Kg**			**0.54**	0.54	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Copper		**76.6**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Iron		**156000**	**mg/Kg**		J	**54.2**	54.2	**5**	**12/19/2006**	**14:58**	SUPERTRACE	112190x	P
Lead		**69.3**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Magnesium		**24400**	**mg/Kg**		J	**21.7**	21.7	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Manganese		**2680**	**mg/Kg**			**1.0**	1.0	**5**	**12/21/2006**	**11:57**	SUPERTRACE	1122006	P
Nickel		**53.3**	**mg/Kg**		J	**0.54**	0.54	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Potassium		**1070**	**mg/Kg**			**32.5**	32.5	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Selenium	<	4.3	mg/Kg	U	J	4.3	4.3	1	12/18/2006	14:56	SUPERTRACE	1121806	P
Silver	<	0.54	mg/Kg	U		0.54	0.54	1	12/18/2006	14:56	SUPERTRACE	1121806	P
Mercury		**0.052**	**mg/Kg**		J	**0.017**	0.017	**1**	**12/18/2006**	**13:05:48**	LEEMAN PS2	L21218S1	CV
Sodium		**569**	**mg/Kg**			**152**	152	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Thallium	<	6.5	mg/Kg	U		6.5	6.5	1	12/18/2006	14:56	SUPERTRACE	1121806	P
Vanadium		**36.2**	**mg/Kg**			**0.54**	0.54	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P
Zinc		**100**	**mg/Kg**		J	**1.1**	1.1	**1**	**12/18/2006**	**14:56**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72807 **Client ID:** SWF-SS-19

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 90 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**21900**	**mg/Kg**		J	**10.6**	10.6	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Antimony	<	16.0	mg/Kg	U	J	16.0	16.0	1	12/18/2006	15:01	SUPERTRACE	1121806	P
Arsenic		**5.1**	**mg/Kg**		J	**2.1**	2.1	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Barium		**178**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Beryllium		**5.0**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Cadmium		**1.5**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Calcium		**166000**	**mg/Kg**			**266**	266	**5**	**12/19/2006**	**15:03**	SUPERTRACE	112190x	P
Chromium		**104**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Cobalt		**3.0**	**mg/Kg**		J	**0.53**	0.53	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Copper		**29.2**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Iron		**76200**	**mg/Kg**			**10.6**	10.6	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Lead		**51.2**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Magnesium		**36100**	**mg/Kg**			**21.3**	21.3	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Manganese		**3840**	**mg/Kg**			**1.1**	1.1	**5**	**12/21/2006**	**12:02**	SUPERTRACE	1122006	P
Nickel		**33.9**	**mg/Kg**		J	**0.53**	0.53	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Potassium		**1450**	**mg/Kg**		J	**31.9**	31.9	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Selenium	<	4.3	mg/Kg	U	J	4.3	4.3	1	12/18/2006	15:01	SUPERTRACE	1121806	P
Silver	<	0.53	mg/Kg	U		0.53	0.53	1	12/18/2006	15:01	SUPERTRACE	1121806	P
Mercury		**0.200**	**mg/Kg**		J	**0.019**	0.019	**1**	**12/18/2006**	**13:07:49**	LEEMAN PS2	L21218S1	CV
Sodium		**915**	**mg/Kg**			**149**	149	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Thallium	<	6.4	mg/Kg	U		6.4	6.4	1	12/18/2006	15:01	SUPERTRACE	1121806	P
Vanadium		**41.1**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P
Zinc		**83.5**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:01**	SUPERTRACE	1121806	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72808 **Client ID:** SWF-SS-20

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 92 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**17100**	**mg/Kg**		J	**11.1**	11.1	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Antimony	<	16.7	mg/Kg	U	J	16.7	16.7	1	12/18/2006	15:06	SUPERTRACE	1121806	P
Arsenic		**12.3**	**mg/Kg**		J	**2.2**	2.2	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Barium		**134**	**mg/Kg**			**0.56**	0.56	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Beryllium		**3.5**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Cadmium		**2.6**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Calcium		**127000**	**mg/Kg**			**556**	556	**10**	**12/19/2006**	**15:08**	SUPERTRACE	112190x	P
Chromium		**159**	**mg/Kg**			**0.56**	0.56	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Cobalt		**6.4**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Copper		**74.0**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Iron		**157000**	**mg/Kg**			**111**	111	**10**	**12/19/2006**	**15:08**	SUPERTRACE	112190x	P
Lead		**113**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Magnesium		**26000**	**mg/Kg**			**22.3**	22.3	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Manganese		**4910**	**mg/Kg**			**2.0**	2.0	**10**	**12/21/2006**	**12:07**	SUPERTRACE	1122006	P
Nickel		**67.7**	**mg/Kg**		J	**0.56**	0.56	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Potassium		**1250**	**mg/Kg**		J	**33.4**	33.4	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Selenium	<	4.5	mg/Kg	U	J	4.5	4.5	1	12/18/2006	15:06	SUPERTRACE	1121806	P
Silver	<	0.56	mg/Kg	U		0.56	0.56	1	12/18/2006	15:06	SUPERTRACE	1121806	P
Mercury		**0.161**	**mg/Kg**		J	**0.017**	0.017	**1**	**12/18/2006**	**13:09:03**	LEEMAN PS2	L21218S1	CV
Sodium		**600**	**mg/Kg**			**156**	156	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Thallium	<	6.7	mg/Kg	U		6.7	6.7	1	12/18/2006	15:06	SUPERTRACE	1121806	P
Vanadium		**64.8**	**mg/Kg**			**0.56**	0.56	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P
Zinc		**292**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:06**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72809 **Client ID:** SWF-SS-21

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 93 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**12600**	**mg/Kg**		J	**11.0**	11.0	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Antimony	<	16.5	mg/Kg	U	J	16.5	16.5	1	12/18/2006	15:11	SUPERTRACE	1121806	P
Arsenic		**5.1**	**mg/Kg**		J	**2.2**	2.2	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Barium		**106**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Beryllium		**2.3**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Cadmium		**1.5**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Calcium		**201000**	**mg/Kg**			**551**	551	**10**	**12/19/2006**	**15:13**	SUPERTRACE	112190x	P
Chromium		**191**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Cobalt		**2.2**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Copper		**19.1**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Iron		**73500**	**mg/Kg**			**11.0**	11.0	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Lead		**24.6**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Magnesium		**56017.51**	**mg/Kg**	**OR**		**22.02240**	22.02240	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Manganese		**18200**	**mg/Kg**			**2.1**	2.1	**10**	**12/21/2006**	**12:12**	SUPERTRACE	1122006	P
Nickel		**16.6**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Potassium		**774**	**mg/Kg**		J	**33.0**	33.0	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Selenium	<	4.4	mg/Kg	U	J	4.4	4.4	1	12/18/2006	15:11	SUPERTRACE	1121806	P
Silver	<	0.55	mg/Kg	U		0.55	0.55	1	12/18/2006	15:11	SUPERTRACE	1121806	P
Mercury		**0.048**	**mg/Kg**		J	**0.019**	0.019	**1**	**12/18/2006**	**13:10:13**	LEEMAN PS2	L21218S1	CV
Sodium		**343**	**mg/Kg**			**154**	154	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Thallium	<	6.6	mg/Kg	U		6.6	6.6	1	12/18/2006	15:11	SUPERTRACE	1121806	P
Vanadium		**210**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P
Zinc		**57.7**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:11**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72810 **Client ID:** SWF-SS-22

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 93 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**24600**	**mg/Kg**		J	**10.3**	10.3	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Antimony	<	15.4	mg/Kg	U	J	15.4	15.4	1	12/18/2006	15:16	SUPERTRACE	1121806	P
Arsenic		**4.3**	**mg/Kg**		J	**2.1**	2.1	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Barium		**224**	**mg/Kg**			**0.51**	0.51	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Beryllium		**5.7**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Cadmium		**1.2**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Calcium		**197000**	**mg/Kg**			**256**	256	**5**	**12/19/2006**	**15:18**	SUPERTRACE	112190x	P
Chromium		**88.2**	**mg/Kg**			**0.51**	0.51	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Cobalt		**2.1**	**mg/Kg**		J	**0.51**	0.51	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Copper		**15.0**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Iron		**47800**	**mg/Kg**			**10.3**	10.3	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Lead		**13.7**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Magnesium		**40400**	**mg/Kg**			**20.5**	20.5	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Manganese		**3500**	**mg/Kg**			**1.1**	1.1	**5**	**12/21/2006**	**12:17**	SUPERTRACE	1122006	P
Nickel		**13.6**	**mg/Kg**		J	**0.51**	0.51	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Potassium		**1600**	**mg/Kg**		J	**30.8**	30.8	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Selenium	<	4.1	mg/Kg	U	J	4.1	4.1	1	12/18/2006	15:16	SUPERTRACE	1121806	P
Silver	<	0.51	mg/Kg	U		0.51	0.51	1	12/18/2006	15:16	SUPERTRACE	1121806	P
Mercury		**0.021**	**mg/Kg**		J	**0.018**	0.018	**1**	**12/18/2006**	**13:11:26**	LEEMAN PS2	L21218S1	CV
Sodium		**851**	**mg/Kg**			**144**	144	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Thallium	<	6.2	mg/Kg	U		6.2	6.2	1	12/18/2006	15:16	SUPERTRACE	1121806	P
Vanadium		**31.8**	**mg/Kg**			**0.51**	0.51	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P
Zinc		**463**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:16**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72811 **Client ID:** SWF-SS-23

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 93 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**2040**	**mg/Kg**		J	**10.4**	10.4	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Antimony	<	15.6	mg/Kg	U	J	15.6	15.6	1	12/18/2006	15:21	SUPERTRACE	1121806	P
Arsenic		**3.2**	**mg/Kg**		J	**2.1**	2.1	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Barium		**14.0**	**mg/Kg**			**0.52**	0.52	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Beryllium		**0.43**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Cadmium		**0.82**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Calcium		**215000**	**mg/Kg**			**520**	520	**10**	**12/19/2006**	**15:23**	SUPERTRACE	112190x	P
Chromium		**68.4**	**mg/Kg**			**0.52**	0.52	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Cobalt		**1.9**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Copper		**19.2**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Iron		**24300**	**mg/Kg**			**10.4**	10.4	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Lead		**530**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Magnesium		**8140**	**mg/Kg**			**20.8**	20.8	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Manganese		**742**	**mg/Kg**			**0.19**	0.19	**1**	**12/21/2006**	**13:11**	SUPERTRACE2	B122106	P
Nickel		**25.0**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Potassium		**552**	**mg/Kg**		J	**31.2**	31.2	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Selenium	<	4.2	mg/Kg	U	J	4.2	4.2	1	12/18/2006	15:21	SUPERTRACE	1121806	P
Silver	<	0.52	mg/Kg	U		0.52	0.52	1	12/18/2006	15:21	SUPERTRACE	1121806	P
Mercury		**0.214**	**mg/Kg**		J	**0.017**	0.017	**1**	**12/18/2006**	**13:13:01**	LEEMAN PS2	L21218S1	CV
Sodium		**174**	**mg/Kg**			**145**	145	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Thallium	<	6.2	mg/Kg	U		6.2	6.2	1	12/18/2006	15:21	SUPERTRACE	1121806	P
Vanadium		**45.6**	**mg/Kg**			**0.52**	0.52	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P
Zinc		**148**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:21**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72812 **Client ID:** SWF-SS-26

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 86 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**3840**	**mg/Kg**		J	**12.2**	12.2	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Antimony	<	18.2	mg/Kg	U	J	18.2	18.2	1	12/18/2006	15:26	SUPERTRACE	1121806	P
Arsenic		**15.0**	**mg/Kg**		J	**2.4**	2.4	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Barium		**34.9**	**mg/Kg**			**0.61**	0.61	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Beryllium		**0.89**	**mg/Kg**			**0.24**	0.24	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Cadmium		**4.2**	**mg/Kg**			**0.24**	0.24	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Calcium		**27700**	**mg/Kg**			**60.8**	60.8	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Chromium		**133**	**mg/Kg**			**0.61**	0.61	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Cobalt		**9.0**	**mg/Kg**		J	**0.61**	0.61	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Copper		**85.4**	**mg/Kg**			**1.2**	1.2	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Iron		**192000**	**mg/Kg**			**122**	122	**10**	**12/19/2006**	**15:28**	SUPERTRACE	112190x	P
Lead		**115**	**mg/Kg**			**1.2**	1.2	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Magnesium		**41800**	**mg/Kg**			**24.3**	24.3	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Manganese		**4540**	**mg/Kg**			**2.2**	2.2	**10**	**12/21/2006**	**12:22**	SUPERTRACE	1122006	P
Nickel		**83.8**	**mg/Kg**		J	**0.61**	0.61	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Potassium		**396**	**mg/Kg**		J	**36.5**	36.5	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Selenium	<	4.9	mg/Kg	U	J	4.9	4.9	1	12/18/2006	15:26	SUPERTRACE	1121806	P
Silver	<	0.61	mg/Kg	U		0.61	0.61	1	12/18/2006	15:26	SUPERTRACE	1121806	P
Mercury		**0.234**	**mg/Kg**		J	**0.017**	0.017	**1**	**12/18/2006**	**13:16:33**	LEEMAN PS2	L21218S1	CV
Sodium	<	170	mg/Kg	U		170	170	1	12/18/2006	15:26	SUPERTRACE	1121806	P
Thallium	<	7.3	mg/Kg	U		7.3	7.3	1	12/18/2006	15:26	SUPERTRACE	1121806	P
Vanadium		**33.0**	**mg/Kg**			**0.61**	0.61	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P
Zinc		**136**	**mg/Kg**			**1.2**	1.2	**1**	**12/18/2006**	**15:26**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** E726 **Method Type:**

Sample ID: A6E72813 **Client ID:** SWF-SS-27

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 94 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**8100**	**mg/Kg**		J	**10.3**	10.3	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Antimony	<	15.5	mg/Kg	U	J	15.5	15.5	1	12/18/2006	15:42	SUPERTRACE	1121806	P
Arsenic		**5.4**	**mg/Kg**		J	**2.1**	2.1	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Barium		**42.9**	**mg/Kg**			**0.52**	0.52	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Beryllium		**1.3**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Cadmium		**4.1**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Calcium		**202000**	**mg/Kg**			**1030**	1030	**20**	**12/19/2006**	**15:46**	SUPERTRACE	112190x	P
Chromium		**391**	**mg/Kg**			**0.52**	0.52	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Cobalt		**3.0**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Copper		**20.7**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Iron		**186000**	**mg/Kg**			**206**	206	**20**	**12/19/2006**	**15:46**	SUPERTRACE	112190x	P
Lead		**31.4**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Magnesium		**33700**	**mg/Kg**			**20.6**	20.6	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Manganese		**28700**	**mg/Kg**			**3.9**	3.9	**20**	**12/21/2006**	**12:28**	SUPERTRACE	1122006	P
Nickel		**14.5**	**mg/Kg**		J	**0.52**	0.52	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Potassium		**232**	**mg/Kg**		J	**30.9**	30.9	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Selenium	<	4.1	mg/Kg	U	J	4.1	4.1	1	12/18/2006	15:42	SUPERTRACE	1121806	P
Silver	<	0.52	mg/Kg	U		0.52	0.52	1	12/18/2006	15:42	SUPERTRACE	1121806	P
Mercury		**0.040**	**mg/Kg**		J	**0.019**	0.019	**1**	**12/18/2006**	**13:17:58**	LEEMAN PS2	L21218S1	CV
Sodium		**175**	**mg/Kg**			**144**	144	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Thallium	<	6.2	mg/Kg	U		6.2	6.2	1	12/18/2006	15:42	SUPERTRACE	1121806	P
Vanadium		**602**	**mg/Kg**			**0.52**	0.52	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P
Zinc		**68.7**	**mg/Kg**			**1.0**	1.0	**1**	**12/18/2006**	**15:42**	SUPERTRACE	1121806	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72814 **Client ID:** SWF-SS-28

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 92 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**6650**	**mg/Kg**		J	**11.1**	11.1	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Antimony	<	16.6	mg/Kg	U	J	16.6	16.6	1	12/18/2006	15:47	SUPERTRACE	1121806	P
Arsenic		**5.7**	**mg/Kg**		J	**2.2**	2.2	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Barium		**65.8**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Beryllium		**0.89**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Cadmium		**3.3**	**mg/Kg**			**0.22**	0.22	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Calcium		**164000**	**mg/Kg**			**1110**	1110	**20**	**12/19/2006**	**16:04**	SUPERTRACE	112190x	P
Chromium		**602**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Cobalt		**3.7**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Copper		**39.6**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Iron		**165000**	**mg/Kg**			**221**	221	**20**	**12/19/2006**	**16:04**	SUPERTRACE	112190x	P
Lead		**80.7**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Magnesium		**24300**	**mg/Kg**			**22.1**	22.1	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Manganese		**20500**	**mg/Kg**			**3.9**	3.9	**20**	**12/21/2006**	**12:33**	SUPERTRACE	1122006	P
Nickel		**78.8**	**mg/Kg**		J	**0.55**	0.55	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Potassium		**382**	**mg/Kg**		J	**33.2**	33.2	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Selenium	<	4.4	mg/Kg	U	J	4.4	4.4	1	12/18/2006	15:47	SUPERTRACE	1121806	P
Silver	<	0.55	mg/Kg	U		0.55	0.55	1	12/18/2006	15:47	SUPERTRACE	1121806	P
Mercury	<	0.016	mg/Kg	U	J	0.016	0.016	1	12/18/2006	13:19:12	LEEMAN PS2	L21218S1	CV
Sodium	<	155	mg/Kg	U		155	155	1	12/18/2006	15:47	SUPERTRACE	1121806	P
Thallium	<	6.6	mg/Kg	U		6.6	6.6	1	12/18/2006	15:47	SUPERTRACE	1121806	P
Vanadium		**442**	**mg/Kg**			**0.55**	0.55	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P
Zinc		**307**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:47**	SUPERTRACE	1121806	P

Comments:

STL BUFFALO

Turnkey Environmental Restoration, LLC

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** E726 **Method Type:**

Sample ID: A6E72815 **Client ID:** SWF-SS-29

Matrix: SOIL **Date Received:** 12/7/2006 **Date Collected:** 12/6/2006 **Level:** LOW

% Solids: 92 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A6B31880 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**8230**	**mg/Kg**		J	**10.6**	10.6	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Antimony	<	15.9	mg/Kg	U	J	15.9	15.9	1	12/18/2006	15:52	SUPERTRACE	1121806	P
Arsenic		**17.2**	**mg/Kg**		J	**2.1**	2.1	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Barium		**113**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Beryllium		**1.7**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Cadmium		**4.0**	**mg/Kg**			**0.21**	0.21	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Calcium		**82100**	**mg/Kg**			**52.9**	52.9	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Chromium		**171**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Cobalt		**8.9**	**mg/Kg**		J	**0.53**	0.53	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Copper		**100**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Iron		**195000**	**mg/Kg**			**106**	106	**10**	**12/19/2006**	**16:09**	SUPERTRACE	112190x	P
Lead		**130**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Magnesium		**14200**	**mg/Kg**			**21.2**	21.2	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Manganese		**6230**	**mg/Kg**			**2.1**	2.1	**10**	**12/21/2006**	**12:38**	SUPERTRACE	1122006	P
Nickel		**62.2**	**mg/Kg**		J	**0.53**	0.53	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Potassium		**1460**	**mg/Kg**		J	**31.8**	31.8	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Selenium	<	4.2	mg/Kg	U	J	4.2	4.2	1	12/18/2006	15:52	SUPERTRACE	1121806	P
Silver	<	0.53	mg/Kg	U		0.53	0.53	1	12/18/2006	15:52	SUPERTRACE	1121806	P
Mercury		**0.083**	**mg/Kg**		J	**0.018**	0.018	**1**	**12/18/2006**	**13:20:29**	LEEMAN PS2	L21218S1	CV
Sodium		**271**	**mg/Kg**			**148**	148	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Thallium	<	6.4	mg/Kg	U		6.4	6.4	1	12/18/2006	15:52	SUPERTRACE	1121806	P
Vanadium		**126**	**mg/Kg**			**0.53**	0.53	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P
Zinc		**221**	**mg/Kg**			**1.1**	1.1	**1**	**12/18/2006**	**15:52**	SUPERTRACE	1121806	P

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: BLIND DUP 1 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72816

% Solids: 92.5 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.67	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.

BLIND DUP 2 12/6/06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72817

% Solids: 85.5 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.70	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72601

% Solids: 74.4 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.3	U			9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72602

% Solids: 90.1 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.86	U			9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72603

% Solids: 89.6 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.65	U			9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72604

% Solids: 83.0 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.1	U			9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-05

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72605

% Solids: 88.8 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.93	U			9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72606

% Solids: 88.3 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.69	U			9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-07

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72607

% Solids: 89.7 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	2.4 ~~392~~				9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-08

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72608

% Solids: 92.2 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.92	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-09

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72609

% Solids: 86.4 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.0	U	J		9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72610

% Solids: 88.2 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.0	U			9012A	12/13/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72611

% Solids: 93.5 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.86	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72612

% Solids: 84.9 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.70	U			9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72801

% Solids: 84.8 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	3.8				9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72802

% Solids: 90.1 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	2.6				9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72803

% Solids: 88.5 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	4.4				9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72804

% Solids: 90.3 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	2.9				9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-17

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72805

% Solids: 88.3 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.78	U			9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-18

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72806

% Solids: 91.0 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.6				9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-19

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72807

% Solids: 90.1 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.89	U	J		9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-20

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72808

% Solids: 91.5 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.3		J		9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72809

% Solids: 92.7 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	2.6		J		9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-22

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72810

% Solids: 92.5 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.84	U	J		9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72811

% Solids: 93.3 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.3		J		9012A	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72812

% Solids: 85.7 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	0.90	U	J		9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-27

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case.No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72813

% Solids: 94.1 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.0	U	J		9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-28

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72814

% Solids: 92.0 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	2.2		J		9012A	12/15/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: SWF-SS-29

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: E726

Matrix (soil/water): SOIL Lab Sample ID: A6E72815

% Solids: 92.4 Date Samp/Recv: 12/06/2006 12/07/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/KG	1.8		J		9012A	12/15/2006

Comments:

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.

BLIND DUPLICATE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89713

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2858.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	10	
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.

BLIND DUPLICATE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89713

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2858.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	2.7	J
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2872.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	~~120~~	~~E~~ 120
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	0.49	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	3.6	J
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	4.8	J

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2872.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	28	
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	69	
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
95-63-6	1,2,4-Trimethylbenzene	10	
108-67-8	1,3,5-Trimethylbenzene	5.4	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-01B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2871.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	5.4	J
71-43-2	Benzene	110	E 110
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	0.64	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	0.94	J
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	0.55	J

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-01B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2871.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	26	
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	24	
98-82-8	Isopropylbenzene	2.1	J
108-87-2	Methylcyclohexane	0.60	J
95-63-6	1,2,4-Trimethylbenzene	8.8	
108-67-8	1,3,5-Trimethylbenzene	6.2	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2870.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	16	
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	0.96	J
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2870.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	3.6	J
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	13	J
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
95-63-6	1,2,4-Trimethylbenzene	0.95	J
108-67-8	1,3,5-Trimethylbenzene	2.2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-02B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2869.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	150	E 150
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	0.61	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	2.2	J
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	1.4	J
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-02B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2869.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	19	
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	28	
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	
95-63-6	1,2,4-Trimethylbenzene	4.2	J
108-67-8	1,3,5-Trimethylbenzene	2.8	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-02D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89705

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2868.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	UJ
75-15-0	Carbon Disulfide	0.70	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	UJ
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	UJ
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	UJ
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-02D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89705

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2868.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89706

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2867.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	6.3	
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	0.56	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	0.47	J
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89706

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2867.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	2.1	J
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	7.2	J
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
95-63-6	1,2,4-Trimethylbenzene	0.70	J
108-67-8	1,3,5-Trimethylbenzene	2.2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-03B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89707

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2866.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	3.1	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	0.57	J
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-03B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89707

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2866.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	1.9	J
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-03D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89708

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2865.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	6.0	
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	6.4	
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	1.0	J
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-03D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89708

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2865.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	0.46	J
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	5.3	J
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	2.0	J
95-63-6	1,2,4-Trimethylbenzene	2.2	J
108-67-8	1,3,5-Trimethylbenzene	1.4	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89709

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2864.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2.6	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89709

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2864.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-05A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89710

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2861.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	5.0	J
71-43-2	Benzene	0.68	J
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	0.65	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-05A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89710

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2861.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	0.53	J
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
95-63-6	1,2,4-Trimethylbenzene	0.48	J
108-67-8	1,3,5-Trimethylbenzene	1.2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-05B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89711

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2860.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	29	J
71-43-2	Benzene	69	
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	6.0	J J
75-15-0	Carbon Disulfide	3.8	J
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	87	
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	J
124-48-1	Dibromochloromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U J
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-71-8	Dichlorodifluoromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
106-93-4	1,2-Dibromoethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
95-50-1	1,2-Dichlorobenzene	50	
541-73-1	1,3-Dichlorobenzene	1.2	J
106-46-7	1,4-Dichlorobenzene	9.4	J
100-41-4	Ethylbenzene	9.1	J
563-58-6	1,1-Dichloropropene	10	U
591-78-6	2-Hexanone	50	U J
75-09-2	Methylene chloride	1.8	J
108-10-1	4-Methyl-2-pentanone	50	U J
100-42-5	Styrene	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-05B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89711

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2860.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	10	U J
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	61	
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	54	
98-82-8	Isopropylbenzene	1.9	J
108-87-2	Methylcyclohexane	6.6	J
95-63-6	1,2,4-Trimethylbenzene	18	
108-67-8	1,3,5-Trimethylbenzene	7.2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
120-82-1	1,2,4-Trichlorobenzene	38	
104-51-8	n-Butylbenzene	10	U
135-98-8	sec-Butylbenzene	10	U
98-06-6	tert-Butylbenzene	10	U
103-65-1	n-Propylbenzene	1.3	J
99-87-6	p-Cymene	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-05D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89712

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2859.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	9.9	
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.: MWN-05D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89712

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2859.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	2.6	J
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.

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Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2857.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
591-78-6	2-Hexanone	25	U J
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	25	U J
100-42-5	Styrene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89714

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N2857.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/19/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U J
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U
98-82-8	Isopropylbenzene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
99-87-6	p-Cymene	5.0	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

BLIND DUPLICATE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89713

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13695.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10 ~~0.8~~	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

BLIND DUPLICATE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89713

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13695.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	43	U J
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	48	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	48	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

BLIND DUPLICATE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89713

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13695.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89701

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: W13681.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	23	
208-96-8	Acenaphthylene	56	
120-12-7	Anthracene	17	
56-55-3	Benzo(a)anthracene	1	J
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	0.6	J
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	82	
84-74-2	Di-n-butyl phthalate	10 ~~1~~	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	2	J

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89701

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: W13681.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
131-11-3	Dimethyl phthalate	10	U	
534-52-1	4,6-Dinitro-2-methylphenol	48	U	
51-28-5	2,4-Dinitrophenol	48	U	
121-14-2	2,4-Dinitrotoluene	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	
117-84-0	Di-n-octyl phthalate	10	U	
206-44-0	Fluoranthene	19		
86-73-7	Fluorene	110		
118-74-1	Hexachlorobenzene	10	U	
87-68-3	Hexachlorobutadiene	10	U	
77-47-4	Hexachlorocyclopentadiene	43	U	J
67-72-1	Hexachloroethane	10	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	
78-59-1	Isophorone	10	U	
91-57-6	2-Methylnaphthalene	78		
95-48-7	2-Methylphenol	8	J	
106-44-5	4-Methylphenol	18		
91-20-3	Naphthalene	~~500~~	~~BE~~	480
88-74-4	2-Nitroaniline	48	U	
99-09-2	3-Nitroaniline	48	U	
100-01-6	4-Nitroaniline	48	U	
98-95-3	Nitrobenzene	10	U	
88-75-5	2-Nitrophenol	10	U	
100-02-7	4-Nitrophenol	48	U	
86-30-6	N-nitrosodiphenylamine	10	U	
621-64-7	N-Nitroso-Di-n-propylamine	10	U	
87-86-5	Pentachlorophenol	48	U	
85-01-8	Phenanthrene	~~160~~	~~E~~	150
108-95-2	Phenol	10	U	
129-00-0	Pyrene	11		
120-82-1	1,2,4-Trichlorobenzene	10	U	
95-95-4	2,4,5-Trichlorophenol	10	U	

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89701

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: W13681.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-01 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89701DL

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: W13735.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/2006

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	96	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-01B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89702

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13682.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	15	
208-96-8	Acenaphthylene	73	
120-12-7	Anthracene	19	
56-55-3	Benzo(a)anthracene	1	J
205-99-2	Benzo(b)fluoranthene	~~0.8~~ 0.3	J
207-08-9	Benzo(k)fluoranthene	~~10~~ 0.3	~~U~~ J
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	100 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	0.8	J
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	37	
84-74-2	Di-n-butyl phthalate	10 ~~1~~	~~BJ~~ a
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	7	J

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-01B

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89702

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13682.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	18	
86-73-7	Fluorene	55	
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	43	U J
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	58	
95-48-7	2-Methylphenol	14	
106-44-5	4-Methylphenol	32	
91-20-3	Naphthalene	~~1200~~	~~BE~~ 1100
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	48	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	48	U
85-01-8	Phenanthrene	94	
108-95-2	Phenol	6	J
129-00-0	Pyrene	11	
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-01B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89702

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13682.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-01B DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89702DL

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13736.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/2006

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	190	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89703

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13683.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	3	J
208-96-8	Acenaphthylene	2	J
120-12-7	Anthracene	3	J
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	4	J
84-74-2	Di-n-butyl phthalate	10 ~~0.9~~	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	2	J

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89703

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13683.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	5	J
86-73-7	Fluorene	12	
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	43	U J
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	1	J
95-48-7	2-Methylphenol	2	J
106-44-5	4-Methylphenol	7	J
91-20-3	Naphthalene	10 2	B J U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	48	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	48	U
85-01-8	Phenanthrene	11	
108-95-2	Phenol	3	J
129-00-0	Pyrene	4	J
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89703

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W13683.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-02B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89704

Sample wt/vol: 1025.0 (g/mL) ML Lab File ID: W13684.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	8	J
208-96-8	Acenaphthylene	7	J
120-12-7	Anthracene	2	J
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	150 ~~150~~	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	9	J
84-74-2	Di-n-butyl phthalate	10 ~~0.9~~	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	4	J

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-02B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89704

Sample wt/vol: 1025.0 (g/mL) ML Lab File ID: W13684.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	49	U
51-28-5	2,4-Dinitrophenol	49	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	4	J
86-73-7	Fluorene	14	
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	44	U J
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	12	
95-48-7	2-Methylphenol	13	
106-44-5	4-Methylphenol	27	
91-20-3	Naphthalene	~~210~~	~~BE~~ 210
88-74-4	2-Nitroaniline	49	U
99-09-2	3-Nitroaniline	49	U
100-01-6	4-Nitroaniline	49	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	49	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	49	U
85-01-8	Phenanthrene	22	
108-95-2	Phenol	10	U
129-00-0	Pyrene	2	J
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-02B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89704

Sample wt/vol: 1025.0 (g/mL) ML Lab File ID: W13684.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-02B DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89704DL

Sample wt/vol: 1025.0 (g/mL) ML Lab File ID: W13737.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/2006

Injection Volume: 1.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	8	DJ
208-96-8	Acenaphthylene	6	DJ
120-12-7	Anthracene	2	DJ
56-55-3	Benzo(a)anthracene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
191-24-2	Benzo(ghi)perylene	39	U
50-32-8	Benzo(a)pyrene	39	U
65-85-0	Benzoic acid	580	U
100-51-6	Benzyl alcohol	78	U
111-91-1	Bis(2-chloroethoxy) methane	39	U
111-44-4	Bis(2-chloroethyl) ether	39	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	39	U
117-81-7	Bis(2-ethylhexyl) phthalate	39	U
101-55-3	4-Bromophenyl phenyl ether	39	U
85-68-7	Butyl benzyl phthalate	39	U
106-47-8	4-Chloroaniline	39	U
59-50-7	4-Chloro-3-methylphenol	39	U
91-58-7	2-Chloronaphthalene	39	U
95-57-8	2-Chlorophenol	39	U
7005-72-3	4-Chlorophenyl phenyl ether	39	U
218-01-9	Chrysene	39	U
53-70-3	Dibenzo(a,h)anthracene	39	U
132-64-9	Dibenzofuran	9	DJ
84-74-2	Di-n-butyl phthalate	39	U
95-50-1	1,2-Dichlorobenzene	39	U
541-73-1	1,3-Dichlorobenzene	39	U
106-46-7	1,4-Dichlorobenzene	39	U
91-94-1	3,3'-Dichlorobenzidine	78	U
120-83-2	2,4-Dichlorophenol	39	U
84-66-2	Diethyl phthalate	39	U
105-67-9	2,4-Dimethylphenol	4	DJ

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-02D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89705

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: W13685.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	9	U
56-55-3	Benzo(a)anthracene	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(ghi)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9	U
101-55-3	4-Bromophenyl phenyl ether	9	U
85-68-7	Butyl benzyl phthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenyl phenyl ether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	9	U
84-74-2	Di-n-butyl phthalate	9	U
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethyl phthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-02D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89705

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: W13685.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	9	U
534-52-1	4,6-Dinitro-2-methylphenol	47	U
51-28-5	2,4-Dinitrophenol	47	U
121-14-2	2,4-Dinitrotoluene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	Di-n-octyl phthalate	9	U
206-44-0	Fluoranthene	9	U
86-73-7	Fluorene	9	U
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	43	U J
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-cd)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	9	U
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9	U
88-74-4	2-Nitroaniline	47	U
99-09-2	3-Nitroaniline	47	U
100-01-6	4-Nitroaniline	47	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	47	U
86-30-6	N-nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
87-86-5	Pentachlorophenol	47	U
85-01-8	Phenanthrene	9	U
108-95-2	Phenol	9	U
129-00-0	Pyrene	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
95-95-4	2,4,5-Trichlorophenol	9	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-02D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89705

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: W13685.RR

Level: (low/med) LOW Date Samp/Recv: 12/12/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	9	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89706

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: W13686.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	2	J
208-96-8	Acenaphthylene	2	J
120-12-7	Anthracene	0.7	J
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	7 50 ~~150~~	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	3	J
84-74-2	Di-n-butyl phthalate	10 0.9	BJ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	1	J

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89706

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: W13686.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	49	U
51-28-5	2,4-Dinitrophenol	49	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	3	J
86-73-7	Fluorene	6	J
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	44	U J
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	3	J
95-48-7	2-Methylphenol	1	J
106-44-5	4-Methylphenol	3	J
91-20-3	Naphthalene	14	B
88-74-4	2-Nitroaniline	49	U
99-09-2	3-Nitroaniline	49	U
100-01-6	4-Nitroaniline	49	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	49	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	49	U
85-01-8	Phenanthrene	10	
108-95-2	Phenol	1	J
129-00-0	Pyrene	2	J
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89706

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: W13686.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-03B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89707

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: W13687.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	1	J
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	750 ~~150~~	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	6	J
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10 ~~1~~	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-03B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89707

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: W13687.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	1	J
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	45	U J
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	2	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	50	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	50	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	2	J
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-03B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89707

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: W13687.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-03D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89708

Sample wt/vol: 1030.0 (g/mL) ML Lab File ID: W13688.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10 ~~0.8~~	BU
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-03D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89708

Sample wt/vol: 1030.0 (g/mL) ML Lab File ID: W13688.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	44	UJ
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	48	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	48	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-03D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89708

Sample wt/vol: 1030.0 (g/mL) ML Lab File ID: W13688.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89709

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: W13689.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	0.5	J
56-55-3	Benzo(a)anthracene	9	U
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(ghi)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9	U
101-55-3	4-Bromophenyl phenyl ether	9	U
85-68-7	Butyl benzyl phthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenyl phenyl ether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	9	U
84-74-2	Di-n-butyl phthalate	9 ~~1~~	B ~~U~~
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethyl phthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89709

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: W13689.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	9	U
534-52-1	4,6-Dinitro-2-methylphenol	47	U
51-28-5	2,4-Dinitrophenol	47	U
121-14-2	2,4-Dinitrotoluene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	Di-n-octyl phthalate	9	U
206-44-0	Fluoranthene	9	U
86-73-7	Fluorene	0.6	J
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	43	U J
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-cd)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	9	U
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9 2	BJU
88-74-4	2-Nitroaniline	47	U
99-09-2	3-Nitroaniline	47	U
100-01-6	4-Nitroaniline	47	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	47	U
86-30-6	N-nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
87-86-5	Pentachlorophenol	47	U
85-01-8	Phenanthrene	0.6	J
108-95-2	Phenol	9	U
129-00-0	Pyrene	2	J
120-82-1	1,2,4-Trichlorobenzene	9	U
95-95-4	2,4,5-Trichlorophenol	9	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89709

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: W13689.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	9	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-05A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89710

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: W13690.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	2	J
208-96-8	Acenaphthylene	3	J
120-12-7	Anthracene	1	J
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	2	J
84-74-2	Di-n-butyl phthalate	10 ~~0.9~~	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-05A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89710

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: W13690.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	6	J
86-73-7	Fluorene	6	J
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	43	U J
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	2	J
95-48-7	2-Methylphenol	0.8	J
106-44-5	4-Methylphenol	2	J
91-20-3	Naphthalene	10 ~~7~~	~~BJ~~ U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	48	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	48	U
85-01-8	Phenanthrene	10	
108-95-2	Phenol	1	J
129-00-0	Pyrene	3	J
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.: MWN-05A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89710

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: W13690.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-05B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89711

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W13693.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	24	
208-96-8	Acenaphthylene	10	
120-12-7	Anthracene	8	J
56-55-3	Benzo(a)anthracene	1	J
205-99-2	Benzo(b)fluoranthene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(ghi)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	700 ~~140~~	U
100-51-6	Benzyl alcohol	19	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	9	U
101-55-3	4-Bromophenyl phenyl ether	9	U
85-68-7	Butyl benzyl phthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenyl phenyl ether	9	U
218-01-9	Chrysene	0.6	J
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	19	
84-74-2	Di-n-butyl phthalate	9 ~~1~~	BU
95-50-1	1,2-Dichlorobenzene	28	
541-73-1	1,3-Dichlorobenzene	0.8	J
106-46-7	1,4-Dichlorobenzene	5	J
91-94-1	3,3'-Dichlorobenzidine	8	J
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethyl phthalate	9	U
105-67-9	2,4-Dimethylphenol	12	

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-05B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89711

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W13693.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	9	U
534-52-1	4,6-Dinitro-2-methylphenol	47	U
51-28-5	2,4-Dinitrophenol	47	U
121-14-2	2,4-Dinitrotoluene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	Di-n-octyl phthalate	9	U
206-44-0	Fluoranthene	9	
86-73-7	Fluorene	28	
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	42	U J
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-cd)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	46	
95-48-7	2-Methylphenol	20	
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	~~950~~ 960	BE
88-74-4	2-Nitroaniline	47	U
99-09-2	3-Nitroaniline	47	U
100-01-6	4-Nitroaniline	47	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	47	U
86-30-6	N-nitrosodiphenylamine	22	
621-64-7	N-Nitroso-Di-n-propylamine	9	U
87-86-5	Pentachlorophenol	47	U
85-01-8	Phenanthrene	37	
108-95-2	Phenol	9	U
129-00-0	Pyrene	5	J
120-82-1	1,2,4-Trichlorobenzene	25	
95-95-4	2,4,5-Trichlorophenol	9	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-05B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89711

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W13693.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	9	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-05B DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89711DL

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W13782.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/2006

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	24	DJ
208-96-8	Acenaphthylene	190	U
120-12-7	Anthracene	190	U
56-55-3	Benzo(a)anthracene	190	U
205-99-2	Benzo(b)fluoranthene	190	U
207-08-9	Benzo(k)fluoranthene	190	U
191-24-2	Benzo(ghi)perylene	190	U
50-32-8	Benzo(a)pyrene	190	U
65-85-0	Benzoic acid	2800	U
100-51-6	Benzyl alcohol	380	U
111-91-1	Bis(2-chloroethoxy) methane	190	U
111-44-4	Bis(2-chloroethyl) ether	190	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	190	U
117-81-7	Bis(2-ethylhexyl) phthalate	190	U
101-55-3	4-Bromophenyl phenyl ether	190	U
85-68-7	Butyl benzyl phthalate	190	U
106-47-8	4-Chloroaniline	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-58-7	2-Chloronaphthalene	190	U
95-57-8	2-Chlorophenol	190	U
7005-72-3	4-Chlorophenyl phenyl ether	190	U
218-01-9	Chrysene	190	U
53-70-3	Dibenzo(a,h)anthracene	190	U
132-64-9	Dibenzofuran	19	DJ
84-74-2	Di-n-butyl phthalate	190	U
95-50-1	1,2-Dichlorobenzene	27	DJ
541-73-1	1,3-Dichlorobenzene	190	U
106-46-7	1,4-Dichlorobenzene	190	U
91-94-1	3,3'-Dichlorobenzidine	380	U
120-83-2	2,4-Dichlorophenol	190	U
84-66-2	Diethyl phthalate	190	U
105-67-9	2,4-Dimethylphenol	190	U

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TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

Client No.

MWN-05D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89712

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: W13694.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	750 ~~150~~	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10 ~~0.8~~	~~BJ~~ U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-05D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89712

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: W13694.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	49	U
51-28-5	2,4-Dinitrophenol	49	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	44	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	49	U
99-09-2	3-Nitroaniline	49	U
100-01-6	4-Nitroaniline	49	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	49	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	49	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8270 - TCL SEMI-VOLATILE ORGANICS-W
ANALYSIS DATA SHEET

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Client No.

MWN-05D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6E89712

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: W13694.RR

Level: (low/med) LOW Date Samp/Recv: 12/11/2006 12/12/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/15/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89713 **Client ID:** BLIND DUPLICATE

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**1150**	**ug/L**			**200**	200	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Barium		**98.6**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Calcium		**94000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Chromium		**15.9**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Iron		**3080**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Magnesium		**51800**	**ug/L**			**200**	200	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Manganese		**71.5**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Nickel		**14.1**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Potassium		**8410**	**ug/L**			**500**	500	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:54:52	LEEMAN PS2	L21220W1	CV
Sodium		**147000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	23:13	SUPERTRACE	112150x	P
Zinc		**10.2**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**23:13**	SUPERTRACE	112150x	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89701 **Client ID:** MWN-01

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/12/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Analytical Time	Instrument	Run	M
Aluminum		**647**	**ug/L**			**200**	200	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Barium		**55.2**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Calcium		**113000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Chromium	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Iron		**122**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Magnesium	<	200	ug/L	U		200	200	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Manganese		**9.4**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Potassium		**47700**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:29:12	LEEMAN PS2	L21220W1	CV
Sodium		**84100**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P
Vanadium		**7.0**	**ug/L**			**5.0**	5.0	**1**	**12/15/2006**	**21:36**	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:36	SUPERTRACE	112150x	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89702 **Client ID:** MWN-01B

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/12/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**284**	**ug/L**			**200**	200	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Arsenic		**16.0**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Barium		**63.5**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Calcium		**78000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Chromium		**7.0**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Iron		**130**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Magnesium	<	200	ug/L	U		200	200	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Manganese	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Potassium		**54900**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:30:24	LEEMAN PS2	L21220W1	CV
Sodium		**88600**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**21:41**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:41	SUPERTRACE	112150x	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89703 **Client ID:** MWN-02

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/12/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**438**	**ug/L**			**200**	200	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Barium		**81.4**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Calcium		**151000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Chromium		**39.2**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Iron		**143**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Magnesium	<	200	ug/L	U		200	200	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Manganese		**15.0**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Potassium		**39800**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:32:30	LEEMAN PS2	L21220W1	CV
Sodium		**77000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P
Vanadium		**35.0**	**ug/L**			**5.0**	5.0	**1**	**12/15/2006**	**21:46**	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:46	SUPERTRACE	112150x	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89704 **Client ID:** MWN-02B

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/12/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**217**	**ug/L**			**200**	200	**1**	**12/15/2006**	**21:51**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Arsenic		**27.0**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**21:51**	SUPERTRACE	112150x	P
Barium		**67.1**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**21:51**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Calcium		**108000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:51**	SUPERTRACE	112150x	P
Chromium	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Iron		**72.1**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**21:51**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Magnesium	<	200	ug/L	U		200	200	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Manganese	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Potassium		**42400**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:51**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:33:54	LEEMAN PS2	L21220W1	CV
Sodium		**126000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**21:51**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:51	SUPERTRACE	112150x	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89705 **Client ID:** MWN-02D

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/12/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**640**	**ug/L**			**200**	200	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Barium		**559**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Calcium		**92800**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Chromium		**146**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Iron		**5130**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Magnesium		**32700**	**ug/L**			**200**	200	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Manganese		**89.5**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Nickel		**138**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Potassium		**4670**	**ug/L**			**500**	500	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:35:20	LEEMAN PS2	L21220W1	CV
Sodium		**124000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**21:56**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	21:56	SUPERTRACE	112150x	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89706 **Client ID:** MWN-03

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum	<	200	ug/L	U		200	200	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Barium		**96.7**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**22:01**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Calcium		**266000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:01**	SUPERTRACE	112150x	P
Chromium		**5.4**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**22:01**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Iron		**95.8**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**22:01**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Magnesium	<	200	ug/L	U		200	200	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Manganese	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Potassium		**83600**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:01**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:39:17	LEEMAN PS2	L21220W1	CV
Sodium		**57000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**22:01**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:01	SUPERTRACE	112150x	P

Comments:

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89707 **Client ID:** MWN-03B

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**875**	**ug/L**			**200**	200	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Arsenic		**70.6**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Barium		**1120**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Calcium		**288000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Chromium		**55.6**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Copper		**13.7**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Iron		**22600**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Lead		**5.1**	**ug/L**			**5.0**	5.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Magnesium		**90300**	**ug/L**			**200**	200	**1**	**12/15/2006**	**22;06**	SUPERTRACE	112150x	P
Manganese		**567**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Nickel		**47.5**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Potassium		**31600**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:40:28	LEEMAN PS2	L21220W1	CV
Sodium		**61500**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:06	SUPERTRACE	112150x	P
Zinc		**30.5**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:06**	SUPERTRACE	112150x	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89708 **Client ID:** MWN-03D

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**1190**	**ug/L**			**200**	200	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Barium		**1110**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Calcium		**1270000**	**ug/L**			**10000**	10000	**20**	**12/18/2006**	**18:20**	SUPERTRACE2	A121806	P
Chromium		**26.4**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Copper		**23.5**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Iron		**17100**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Magnesium		**864000**	**ug/L**			**4000**	4000	**20**	**12/18/2006**	**18:20**	SUPERTRACE2	A121806	P
Manganese		**210**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Nickel		**26.5**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Potassium		**62100**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:41:40	LEEMAN PS2	L21220W1	CV
Sodium		**3290000**	**ug/L**			**20000**	20000	**20**	**12/18/2006**	**18:20**	SUPERTRACE2	A121806	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:13	SUPERTRACE	112150x	P
Zinc		**16.1**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:13**	SUPERTRACE	112150x	P

Comments:

STL BUFFALO

Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89709 **Client ID:** MWN-04

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum	<	200	ug/L	U		200	200	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Barium		**39.9**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Calcium		**154000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Chromium		**27.4**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Iron		**191**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Magnesium	<	200	ug/L	U		200	200	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Manganese		**3.4**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Nickel		**21.4**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Potassium		**322000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:43:11	LEEMAN PS2	L21220W1	CV
Sodium		**149000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P
Vanadium		**14.2**	**ug/L**			**5.0**	5.0	**1**	**12/15/2006**	**22:19**	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:19	SUPERTRACE	112150x	P

Comments:

STL BUFFALO

Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89710 **Client ID:** MWN-05A

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum	<	200	ug/L	U		200	200	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Barium		**112**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**22:24**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Calcium		**396000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:24**	SUPERTRACE	112150x	P
Chromium		**14.9**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**22:24**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Iron	<	50.0	ug/L	U		50.0	50.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Magnesium	<	200	ug/L	U		200	200	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Manganese	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Nickel	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Potassium		**67800**	**ug/L**			**500**	500	**1**	**12/15/2006**	**22:24**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:44:42	LEEMAN PS2	L21220W1	CV
Sodium		**51600**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**22:24**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	22:24	SUPERTRACE	112150x	P

Comments:

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Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, L **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89711 **Client ID:** MWN-05B

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**1000**	**ug/L**			**200**	200	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	23:01	SUPERTRACE	112150x	P
Arsenic		**43.6**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Barium		**7990**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Beryllium		**7.4**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Cadmium		**20.6**	**ug/L**			**1.0**	1.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Calcium		**8790000**	**ug/L**			**25000**	25000	**50**	**12/19/2006**	**13:18**	SUPERTRACE	112190x	P
Chromium		**306**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Cobalt		**8.4**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Copper		**95.6**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Iron		**506000**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Lead		**26.3**	**ug/L**			**5.0**	5.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Magnesium		**91500**	**ug/L**			**200**	200	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Manganese		**14500**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Nickel		**234**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Potassium		**260000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	23:01	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	23:01	SUPERTRACE	112150x	P
Mercury		**0.223**	**ug/L**			**0.200**	0.200	**1**	**12/20/2006**	**14:49:45**	LEEMAN PS2	L21220W1	CV
Sodium		**189000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	23:01	SUPERTRACE	112150x	P
Vanadium		**19.7**	**ug/L**			**5.0**	5.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P
Zinc		**68.5**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**23:01**	SUPERTRACE	112150x	P

Comments:

STL BUFFALO

Turnkey Environmental Restoration, LLC

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INORGANIC ANALYSIS DATA PACKAGE

Client: Turnkey Environmental Restoration, I **SDG No.:** A06-E897 **Method Type:**

Sample ID: A6E89712 **Client ID:** MWN-05D

Matrix: WATER **Date Received:** 12/12/2006 **Date Collected:** 12/11/2006 **Level:** LOW

% Solids: **Sample Wt/Vol:** 50.0 **Final Vol:** 50.0

Prep Batch ID: A6B32048 **Prep Date:** 12/15/2006

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**838**	**ug/L**			**200**	200	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Antimony	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Barium		**94.0**	**ug/L**			**2.0**	2.0	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Beryllium	<	2.0	ug/L	U		2.0	2.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Cadmium	<	1.0	ug/L	U		1.0	1.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Calcium		**90000**	**ug/L**			**500**	500	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Chromium		**12.8**	**ug/L**			**4.0**	4.0	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Cobalt	<	4.0	ug/L	U		4.0	4.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Copper	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Iron		**2680**	**ug/L**			**50.0**	50.0	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Magnesium		**49400**	**ug/L**			**200**	200	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Manganese		**66.4**	**ug/L**			**3.0**	3.0	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Nickel		**12.8**	**ug/L**			**10.0**	10.0	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Potassium		**7970**	**ug/L**			**500**	500	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Silver	<	3.0	ug/L	U		3.0	3.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	12/20/2006	14:50:56	LEEMAN PS2	L21220W1	CV
Sodium		**140000**	**ug/L**			**1000**	1000	**1**	**12/15/2006**	**23:08**	SUPERTRACE	112150x	P
Thallium	<	20.0	ug/L	U		20.0	20.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Vanadium	<	5.0	ug/L	U		5.0	5.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P
Zinc	<	10.0	ug/L	U		10.0	10.0	1	12/15/2006	23:08	SUPERTRACE	112150x	P

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: BLIND DUPLICATE

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89713

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-01

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89701

% Solids: 0.0 Date Samp/Recv: 12/12/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.054		J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-01B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89702

% Solids: 0.0 Date Samp/Recv: 12/12/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.064		J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89703

% Solids: 0.0 Date Samp/Recv: 12/12/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.041		J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-02B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89704

% Solids: 0.0 Date Samp/Recv: 12/12/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.057		J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-02D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89705

% Solids: 0.0 Date Samp/Recv: 12/12/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89706

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-03B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89707

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-03D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89708

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89709

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-05A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89710

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

_____
_____
_____
_____

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-05B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89711

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

Turnkey Environmental Restoration, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
Wet Chemistry Analysis

Client Sample No.: MWN-05D

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): WATER Lab Sample ID: A6E89712

% Solids: 0.0 Date Samp/Recv: 12/11/2006 12/12/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	MG/L	0.010	U	J		9012	12/19/2006

Comments:

TURNKEY ENVIRONMENTAL RESTORATION, LLC
TURNKEY - TECUMSEH REDEVELOPMENT SITE
STEELFIELDS - 8260 - TCL VOLATILES + STARS - W
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#							TOT OUT
1	BLIND DUPLICATE	A6E89713	105		112		114								0
2	MSB34	A6B3238501	102		106		114								0
3	MSB35	A6B3242201	103		106		111								0
4	MWN-01	A6E89701	105		104		112								0
5	MWN-01 DL	A6E89701DL	103		102		111								0
6	MWN-01B	A6E89702	98		98		106								0
7	MWN-01B DL	A6E89702DL	101		102		110								0
8	MWN-02	A6E89703	95		98		102								0
9	MWN-02B	A6E89704	104		106		110								0
10	MWN-02B DL	A6E89704DL	104		104		112								0
11	MWN-02D	A6E89705	99		105		109								0
12	MWN-03	A6E89706	99		107		106								0
13	MWN-03B	A6E89707	96		104		103								0
14	MWN-03D	A6E89708	108		118		116								0
15	MWN-04	A6E89709	96		102		104								0
16	MWN-05A	A6E89710	104		111		112								0
17	MWN-05A	A6E89710MS	107		114		114								0
18	MWN-05A	A6E89710SD	98		103		105								0
19	MWN-05B	A6E89711	96		102		102								0
20	MWN-05D	A6E89712	102		111		112								0
21	TRIP BLANK	A6E89714	92		100		102								0
22	VBLK34	A6B3238502	100		105		111								0
23	VBLK35	A6B3242203	101		105		113								0

		QC LIMITS
BFB	= p-Bromofluorobenzene	(73-120)
DCE	= 1,2-Dichloroethane-D4	(72-143)
TOL	= Toluene-D8	(76-122)

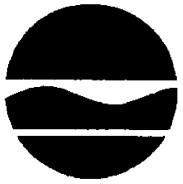
\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

APPENDIX G

HUMAN HEALTH RISK ASSESSMENT

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 • **FAX:** (716) 851-7226
Website: www.dec.state.ny.us

APR 12 2007



Alexander B. Grannis
Commissioner

April 11, 2007

Patrick Martin, P.E.
TurnKey Environmental Restoration, LLC
726 Exchange Street
Buffalo, New York 14210

Dear Mr. Martin:

This letter is in response to your memorandum entitled "Steelwinds Brownfield Cleanup Program, Proposed Risk Assessment Approach to Develop Track 3 - Restricted Use: Site Specific Cleanup Regulations" dated March 13, 2007.

The Department has considered your submittal and, in consultation with the New York State Department of Health (NYS DOH), has determined that the proposed approach is not consistent with requirements of 6NYCRR Part 375. Your proposal includes the modification of the exposure scenarios based on the proposed development. The regulation does not allow for modification of exposure scenarios. Specifically, 6NYCRR Part 375-6.9 (e) states:

(e) Modification of soil cleanup objectives. The contaminant-specific soil cleanup objectives set forth at Tables 675-6.8(a) and (b) may be modified by site specific data as set forth in this subdivision.

(1) Contaminant-specific soil cleanup objectives modified in accordance with this subdivision may be utilized by the remedial party for a site remedial program undertaken pursuant to:

(i) subpart 375-3 in Tracks 3 or 4, as set forth in paragraphs 375-3.8(e)(3) or (4), respectively; or

(ii) subparts 375-2 and 375-4, as set forth in subparagraph 375-2.8(b)(1)(ii) and subparagraph 375-4.8(c)(1)(ii).

(2) For the calculation of a protection of groundwater or ecological resources contaminant-specific soil cleanup objective, the site-specific percentage of total organic carbon in the soil at the site may be substituted in the algorithms provided in appendix E of the Technical Support Document.

(3) For the calculation of a protection of public health contaminant-specific soil cleanup objective, site-specific data may be used to modify two of the five exposure pathways, as follows:

(i) for the particulate inhalation pathway six parameters rely on site-specific data; and

(ii) for the volatile inhalation pathway, four parameters rely on site-specific data.

(4) The algorithms to be used for each protection of public health pathway and details on the parameters which can be substituted are included in appendix E of the Technical Support Document.

In conclusion, the proposed modification to the Soil Cleanup Objectives cannot be considered by the Department. If you have any questions please contact me at the above phone number or at mfmoore@gw.dec.state.ny.us.

Sincerely,

Maurice F. Moore
Engineering Geologist 1
Division of Environmental Remediation
Region 9

MFM/tl

cc: Mr. James Harrington, NYSDEC
Mr. Paul Curran, BQ Energy
Mr. Richard Fedigan, NYSDOH

Geomatrix

Technical Memorandum

TO:	Patrick Martin, Benchmark Environmental Engineering	**DATE:**	March 22, 2007
FROM:	Robert Cheung and Danielle Ketchum	**PROJ. NO.:**	13309.000
CC:	Paul Curran, BQ Energy, LLC	**PROJ. NAME:**	Steel Winds Wind Farm Facility
SUBJECT:	Human Health Risk Assessment Steel Winds Wind Farm Facility Lackawanna, New York		

INTRODUCTION

Geomatrix Consultants, Inc., (Geomatrix), presents this memorandum to evaluate the potential health risks for maintenance workers at the Steel Winds Wind Farm Facility site (the Site). This human health risk assessment (HHRA) was prepared in accordance with the U.S. Environmental Protection Agency (U.S. EPA) guidelines (U.S. EPA, 1989).

This HHRA conservatively quantifies possible health impacts to maintenance workers associated with exposure to site-related chemicals in soil. The results of the HHRA were then compared to U.S. EPA acceptable risk levels. The evaluation of the potential health risk at the Site was completed in a five step process; data evaluation, selection of chemicals of concern, exposure assessment, toxicity assessment, and risk characterization, as described below:

DATA EVALUATION

Surface and subsurface soil samples were collected from the slag/fill across the site. Four sets of data were identified during the data evaluation process: surface soil collected between 0 and 6 inches below ground surface (bgs), subsurface soil collected between 3 and 4 feet bgs, soil collected from the sidewalls and floor of the excavation test pits for each of the wind turbines (WT) at a depth of approximately 6 and 8 feet bgs, and soil collected below test pit WT-1 between 10 and 24 feet bgs. For the purpose of this evaluation only the surface and subsurface soil collected between 0 and 4 feet bgs was evaluated. Potential exposure to soil greater than 4 feet bgs is highly unlikely without heavyconstruction equipment and is not considered part of the exposure scenario evaluated.

Twenty-nine surface soil samples and five subsurface composite soil samples were evaluated in this assessment. Analytical results for detected volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and cyanide are summarized in Table 1. Sample locations are presented on Figure 1.

CHEMICALS OF POTENTIAL CONCERN

Not all chemicals detected on-site warrant a quantitative evaluation. Chemicals that are detected at so low a concentration as to pose a negligible risk may be eliminated from further consideration. Since site land use is restricted to industrial activities chemicals of potential concern (COPCs) were selected by comparing detected concentrations to the restricted industrial soil cleanup objective (SCOs) published by the New York State Department of Environmental Conservation (NYSDEC, 2004).

If the maximum concentration exceeded the SCO the chemical was classified as a COPC. However, as a conservative approach all of the carcinogenic polycyclic aromatic hydrocarbons (PAHs) were considered COPCs and were included in the risk evaluation. Therefore, nine chemicals were identified as COPCs including arsenic, manganese, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3,cd)pyrene.

Representative concentrations for each COPC were selected as the 95% UCL calculated using the ProUCL software developed by the U.S. EPA. Table 2 presents the maximum detected concentrations, soil cleanup objectives for each compound, and 95% upper confidence limits (UCL) for all COPCs. Table 3 presents all relevant physicochemical parameters for the identified COPCs.

EXPOSURE ASSESSMENT

Based on current site use, potential exposure to chemicals detected on-site is limited to a maintenance worker. Site-specific exposure assumptions and Reasonable Maximum Exposure (RME) values were used to provide conservative but realistic risk estimates for the identified receptor. Based on current site use scenarios the maintenance worker is assumed to be on-site four hours per day for one day per week. This is considered by wind industry standards to be an extremely conservative estimate of on-site exposure. Specifically, anticipated routine maintenance performed by a worker would entail the worker to exit his site access vehicle

adjacent to each turbine, enter the turbine tower and ascend approximately 250 feet above ground level to the turbine nacelle in order to perform the majority of his activities. The actual exposure time spent at-grade, outside while walking between the vehicle and the turbine tower is less than 5 percent of the time spent in actual service activities 250 feet above the site. Moreover, the actual frequency of maintenance service visits based on industry experience is more typically one visit per turbine every two to three months. There are no expectation or plans for weekly or even monthly maintenance on the completed turbines.

In accordance with guidance, the exposure frequency is assumed to be approximately 31 weeks out of the year (NYDEC, 2006). All other exposure assumptions were selected as RME values published by the U.S. EPA (1991, 1996, 1997 or 2004). Table 4 presents the exposure parameters used in the risk calculations and the rationale for each value.

For maintenance workers, several complete exposure pathways have been identified at the site, including inhalation of ambient air (particulates and volatiles), and dermal contact with and ingestion of surface and subsurface soil. However, all COPCs identified for the site are non-volatile, therefore, exposure to ambient air is limited to inhalation of dust. All relevant exposure pathways were quantitatively evaluated in the risk calculations.

TOXICITY ASSESSMENT

The U.S. EPA has completed toxicity assessments for all of the COPCs identified in this HHRA. The associated chronic noncarcinogenic and carcinogenic toxicity criteria are presented in Tables 5 and 6 respectively. These criteria were selected from U.S. EPA Integrated Risk Information System (IRIS) on-line database (U.S.EPA, 2007). In the event that an RfD or SF was not available for the oral or inhalation route of exposure, the RfD or SF for the other route was used in the calculations. In addition, dermal toxicity values are calculated for evaluating dermal exposure by adjusting the oral RfDs or SFs according to U.S. EPA guidance (2004). Carcinogenic toxicity criteria were identified for 8 of the 9 COPCs.

RISK EVALUATION

For carcinogenic chemicals, the generally acceptable level of risk is an excess risk of cancer that is not more than one-in-ten thousand to one-in-one million greater than that of the general population. However, the NYSDEC considers 1x10-6 to be the threshold for acceptable risks at

remediation sites. For non-carcinogenic chemicals, the potential health hazards are quantified through the use of a hazard quotient with an acceptable hazard level of 1.0.

The potential noncancer hazard quotients and hazard index associated with exposure to the COPCs in soil by a maintenance worker are summarized in Table 7; the calculation spreadsheets are presented in Attachement A. The predicted hazard index is 0.04.

The estimated theoretical lifetime excess cancer risks associated with exposure to the COPCs in soil are summarized in Table 8; the calculation spreadsheets are presented in Attachment A. The total estimated cancer risk is $1x10^{-6}$, which meets the acceptable cumulative cancer risk threshold. The COPCs that contribute significantly to the risk are benzo(a)pyrene (37%), arsenic (19%), and benzo(k)fluoranthene (18%).

CONCLUSIONS

The total hazard index is less than 1.0 indicating that exposure to chemicals in soil should not result in unacceptable noncarcinogenic health effects. The cumulative cancer risk is 1x10-6 within the acceptable risk threshold. Therefore, exposure to chemicals in soil should not result in an unacceptable cancer risk under the conditions evaluated for this receptor. Because of the number of assumptions that are required during the risk assessment process, some degree of uncertainty is inevitably associated with the risk and hazard estimates. However, given that the largest sources of uncertainty generally result in overestimates of exposure or risk, it is believed that results presented in this document are based on conservative estimates.

REFERENCES

New York State Department of Environmental Conservation (NYSDEC), 2004, Environmental Conservation Rules and Regulations, Remedial Program Site Cleanup Objectives, 6 NYCRR, Subpart 375-6.

NYSDEC, 2006, Development of Soil Cleanup Objective, Technical Support Document, September.

U.S. EPA, 1989, Risk Assessment Guidance for Superfund, Volume 1, Human Health Evaluation Manual, Part A, Interim Final, Office of Emergency and Remedial Response, Washington, D.C.

U.S. EPA, 1990, Corrective Action for Solid Waste Management Units at Hazardous Waste Management Facilities, Proposed Rule, Federal Register, v. 55, p. 3078.

U.S. EPA, 1991, Human Health Evaluation Manual, Supplemental Guidance: "Standard Default Exposure Factors," Office of Emergency and Remedial Response, Washington, D.C.

U.S. EPA, 1996, Soil Screening Guidance: User's Guide, Office of Solid Waste and Emergency Response, Washington D.C., July.

U.S. EPA, 1997, Exposure Factors Handbook, Volume 1, Office of Research and Development, Washington, D.C.

U.S. EPA, 2004. Risk Assessment Guidance for Superfund (RAGS): Volume 1 – Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final. Office of Superfund Remediation and Technology Innovation, July.

U.S. EPA, Integrated Risk Information System (IRIS), 2007, on-line database. <http://www.epa.gov/IRIS/subst/index.html>

TABLES

Table 1 Summary of Analytical Results for Surface and Subsurface Slag/Fill
Table 2 Summary of Chemicals of Potential Concern
Table 3 Exposure Parameters for Maintenance Worker Scenario
Table 4 Physicochemical Properties for Chemicals of Potential Concern
Table 5 Chronic Noncarcinogenic Toxicity Criteria for Chemicals of Potential Concern
Table 6 Carcinogenic Toxicity Criteria for Chemicals of Potential Concern
Table 7 Summary of Noncarcinogenic Hazard Indexes
Table 8 Summary of Excess Lifetime Cancer Risks

ATTACHMENTS

Attachment A Human Health Risk Calculations

F:\CAD\TurnKey\BQ Energy & Process Energy\Steel Winds\HHRA\Figure 1; Slag Fill Sample Locations.dwg

LEGEND:

- TECUMSEH PROPERTY BOUNDARY
- EXISTING BUILDING / STRUCTURE
- RAILROAD TRACK
- WT#1 — WIND TURBINE (WT) LOCATION (8)
- ANEMOMETER LOCATION
- SWMU P-07 — APPROXIMATE LOCATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) - REQUIRES FURTHER ASSESSMENT
- APPROXIMATE BOUNDARY OF SWMU
- STEEL WINDS FACILITY BCP SITE
- MWN-01 — STEEL WINDS MONITORING WELL LOCATION
- MWN-22B — EXISTING MONITORING WELL LOCATION
- SWF-SS-05 — STEEL WINDS BCP SURFACE SOIL SAMPLE (see table)
- SWF-SS-04 — STEEL WINDS BCP SURFACE SOIL SAMPLE & SUBSURFACE COMPOSITE SOIL SAMPLE (see table)

N

LAKE ERIE

WT#1 WT#2 WT#3 WT#4 WT#5 WT#6 WT#7 WT#8

ANEMOMETER

SWMU S-10 SWMU S-12 SWMU S-13 SWMU S-14 SWMU S-15 SWMU S-16 SWMU S-17 SWMU S-18 SWMU S-19 SWMU S-23 SWMU S-28

400' 0' 400' 800'

SCALE: 1 INCH = 400 FEET
SCALE IN FEET
(approximate)

DATE: MARCH 2007
DRAFTED BY: BCH

SUMMARY OF SURFACE SOIL SAMPLE LOCATIONS

Steel Winds Facility
Lackawanna, New York

Sample Location	Type	
SWF-SS-01	surface soil	subsurface composite 1
SWF-SS-02	surface soil	
SWF-SS-03	surface soil	
SWF-SS-04	surface soil	
SWF-SS-05	surface soil	
SWF-SS-06	surface soil	
SWF-SS-07	surface soil	
SWF-SS-08	surface soil	
SWF-SS-09	surface soil	
SWF-SS-10	surface soil	
SWF-SS-11	surface soil	subsurface composite 2
SWF-SS-12	surface soil	
SWF-SS-13	surface soil	
SWF-SS-14	surface soil	
SWF-SS-15	surface soil	
SWF-SS-16	surface soil	subsurface composite 3
SWF-SS-17	surface soil	
SWF-SS-18	surface soil	
SWF-SS-19	surface soil	
SWF-SS-20	surface soil	
SWF-SS-21	surface soil	subsurface composite 4
SWF-SS-22	surface soil	
SWF-SS-23	surface soil	
SWF-SS-24	surface soil	
SWF-SS-25	surface soil	
SWF-SS-26	surface soil	subsurface composite 5
SWF-SS-27	surface soil	
SWF-SS-28	surface soil	
SWF-SS-29	surface soil	

720 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0071-003-100

SLAG/FILL SAMPLE LOCATIONS

HHRA

STEEL WINDS FACILITY
LACKAWANNA, NEW YORK

PREPARED FOR
BQ ENERGY, LLC

FIGURE 1

TABLES

TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR SURFACE AND SUBSURFACE SLAG/FILL1

Steel Winds Wind Farm Facility
Lackawanna, New York

Concentrations reported in milligrams per kilogram (mg/kg)

Chemical	Surface Soil Samples																											Subsurface Composite Soil Samples						SCO
	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-26	SS-27	SS-28	SS-29	Subsurface Comp 1	Subsurface Comp 2	Subsurface Comp 3	Subsurface Comp 4	Subsurface Comp 5	Subsurface Comp 6	Restricted-Industrial[2]
TCL VOCs																																		
Acetone	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.022 J	na	0.016 J	0.038	na	1000[4]
2-Butanone (MEK)	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.006 J	na	1000[4]
Methylene Chloride	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.021 B	0.024 B	0.021 B	0.02 B	0.023 B	0.02 B	1000[4]
TCL SVOCs																																		
Acenaphthene	na	0.023 J	na	na	na	na	0.035 J	0.039 J	0.1 J	na	0.58 J	na	0.11 J	0.097 J	na	na	0.059 J	0.25 J	0.062 J	0.094 J	na	0.034 J	0.68 J	0.16 J	na	na	na	na	na	na	0.74 J	na	8.1	1000[4]
Acenaphthylene	0.15 J	0.11 J	0.74 J	0.76 J	0.065 J	na	0.63	0.54	0.19 J	0.028 J	0.18 J	0.11 J	0.77	0.26 J	na	na	0.18 J	0.33 J	0.41	0.24 J	na	0.027 J	0.18 J	0.75 J	na	na	0.26 J	0.24 J	0.14 J	na	0.2 J	0.19 J	0.53 J	1000[4]
Anthracene	0.1 J	0.075 J	0.93 J	0.033 J	0.082 J	na	0.39	0.46	0.3 J	0.026 J	2.1	0.094 J	1.2	0.59	na	0.018 J	0.2 J	1.2	0.48	0.33 J	na	0.11 J	1.7	1.2 J	na	na	0.42 J	0.38 J	0.39 J	na	1.7 J	0.2 J	17	1000[4]
Benzo (a) anthracene	0.43	0.42	3.3 J	0.22 J	0.4	0.044 J	1.9	2	1	0.12 J	4	0.48	6.2	2.1	0.04 J	0.084 J	0.8	3.1	1.6	2	0.52 J	0.33 J	4.2	2.6	0.22 J	0.65 J	2.6 J	1.4 J	1.7 J	0.42 J	4.4	1.5 J	**27**	11
Benzo (b) fluoranthene	0.63	0.72	4.7	0.42	0.62	0.093 J	2.6	3.6	1.6	0.19 J	4	0.71	7.1 D	2.5	0.059 J	0.16 J	1.4	3.6	1.7	3.2	0.9 J	0.61	7.2	4	0.45	2	4.1	2.6	2.7	0.63 J	5.6	3.7	**26**	11
Benzo (k) fluoranthene	0.19 J	0.23 J	1.4 J	0.11 J	0.22 J	0.031 J	1	na	0.44	0.069 J	1.5 J	0.26 J	3	0.99	0.027 J	0.042 J	na	0.93	0.61	0.86	0.44 J	na	na	1.5 J	0.21 J	na	1.4 J	na	na	0.19 J	2.9	na	14	110
Benzo (g,h,i) perylene	0.34 J	0.43	2.7 J	0.23 J	0.35 J	0.053 J	1.2	1.2	0.69	0.12 J	1.6 J	0.34 J	2.7	1.6	0.056 J	0.1 J	0.68	1.8	0.73	1.4	0.52 J	0.22 J	2.2	1.9	0.47	0.81 J	2.2 J	1 J	0.92 J	0.33 J	2.9	1.5 J	11	1000[4]
Benzo (a) pyrene	0.46	0.53	**3.4 J**	0.3 J	0.46	0.058 J	**2**	**2**	1.1	0.14 J	**3**	0.51	**4.6**	**1.8**	0.045 J	0.065 J	0.82	**2.6**	**1.2**	**2.3**	0.71 J	0.34 J	**4.2**	**3.1**	0.36	1.1 J	**2.9 J**	**1.4 J**	**1.3 J**	0.44 J	**5**	**2.1**	**11**	1.1
Biphenyl	na	na	na	na	na	na	na	na	na	na	na	na	0.09 J	0.073 J	na	na	na	0.075 J	0.024	0.025	na	na	na	na	na	na	na	0.16 J	na	na	na	na	0.56 J	na
Bis(2-ethylhexyl) phthalate	na	na	na	na	na	na	na	na	na	na	na	0.32 J	na	na	na	na	0.072 J	0.086 J	0.074 J	0.15 J	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Carbazole	0.034 J	0.024 J	0.46 J	na	0.041 J	na	0.12 J	0.24 J	0.16 J	na	0.66 J	0.038 J	0.58	0.35 J	na	0.024 J	0.086 J	0.8	0.14 J	0.17 J	na	0.052	0.74 J	0.49 J	na	na	0.21 J	0.13 J	0.24 J	na	0.8 J	na	5.8	na
Chrysene	0.39 J	0.42	3.3 J	0.23 J	0.37	0.066 J	1.7	1.9	0.96	0.12 J	3.8	0.46	5.8	2.1	0.041 J	0.12 J	0.82	2.9	1.4	1.9	0.62 J	0.35	4	2.8	0.3 J	0.82 J	2.8 J	1.5	1.8	0.48 J	4.4	1.8	23	110
Dibenzo (a,h) anthracene	0.1 J	0.11 J	0.64 J	0.062 J	0.1 J	na	0.35 J	0.35 J	0.19 J	0.029 J	0.43 J	0.094 J	0.95	0.47	na	0.027 J	0.19 J	0.44	0.23 J	0.4	0.13 J	0.055 J	0.64 J	0.48 J	0.093 J	0.18 J	0.62 J	0.34 J	0.33 J	0.094 J	0.75 J	0.36 J	**3 J**	1.1
Dibenzofuran	0.055 J	0.022 J	0.27 J	0.021 J	na	na	0.075 J	0.058 J	0.06 J	na	0.54 J	0.023 J	0.64	0.38	na	0.064 J	0.042 J	0.6	0.14 J	0.11 J	na	0.025 J	0.42 J	0.47 J	na	na	0.27 J	0.45 J	0.31 J	na	0.48 J	na	4.6	1000[4]
Di-n-butyl phthalate	na	na	na	na	na	na	na	na	na	na	na	na	na	0.07 J	na	0.064 J	na	0.069 J	0.068 J	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Fluoranthene	0.68	0.62	6.1	0.27 J	0.57	0.07 J	2.9	3.6	1.9	0.17 J	9.8	0.72	15 D	4.9	0.061 J	0.21 J	1.5 J	7.3 D	2.9	2.8	0.67 J	0.71	8.2	5.5	0.29 J	0.83 J	4	2.8	4.5	0.72 J	8.3	2.1	84 D	1000[4]
Fluorene	0.047 J	na	0.27 J	na	na	na	0.08 J	0.089 J	0.087 J	na	0.96 J	na	0.36 J	0.17 J	na	na	0.058 J	0.98	0.17 J	0.071 J	na	0.043 J	0.68 J	0.72 J	na	na	na	na	na	na	0.76 J	na	7.7	1000[4]
Indeno (1,2,3-cd) pyrene	0.31 J	0.38	2.4 J	0.2 J	0.31 J	0.047 J	1.2	1.2	0.62	0.1 J	1.5 J	0.3 J	2.7	1.5	0.044 J	0.089 J	0.6	1.6	0.69	1.3	0.42 J	0.18 J	2.1	1.6 J	0.35	0.62 J	1.7 J	0.98 J	0.92 J	0.3 J	2.5	1.3 J	**11**	11
2 - Methylnaphthalene	0.066 J	0.024 J	na	0.052 J	na	na	0.049 J	0.037 J	0.04 J	na	0.15 J	na	0.21 J	0.16 J	na	na	0.033 J	0.17 J	0.11 J	0.12 J	na	na	0.22 J	0.19 J	na	na	0.31 J	0.44 J	0.11 J	na	0.21 J	na	2 J	na
Naphthalene	0.24 J	0.044 J	0.48 J	0.06 J	0.022 J	na	0.2 J	0.1 J	0.063 J	na	0.26 J	0.057 J	0.63	0.54	na	0.094 J	0.07 J	0.58	0.22 J	0.38	na	0.03 J	0.41 J	0.42 J	na	na	1.8 J	1.8 J	0.43 J	na	0.68 J	0.18 J	23 J	1000[4]
Phenanthrene	0.35 J	0.22 J	3.3 J	0.089 J	0.2 J	na	1	1.5	1	0.079 J	8.1	0.32 J	10 D	3.7	0.028 J	0.13 J	0.59	6.5 D	1.4	1.1	0.25 J	0.43	5.4	4.2	0.11 J	0.19 J	2.3 J	1.5 J	3.6	0.28 J	5.9	0.81 J	58	1000[4]
Pyrene	1	0.5	4.6	0.24 J	0.4	0.053 J	2.3	2.7	1.4	0.13 J	6.6	0.5	12 D	3.7	0.051 J	0.15 J	1.2	5.5 D	2.2	2.3	0.63 J	0.55	6.2	4	0.26 J	0.8 J	3.4 J	2.2	3.2	0.66 J	6.6	1.9	47	1000[4]
TAL Metals																																		
Aluminum	12000 N*	14400 N*	8840 N*	3020 N*	4310 N*	4840 N*	18400 N*	7220 N*	7590 N*	12200 N*	22900 N*	3970 N*	6190 N*	8080 N*	2130	3470	14500	17900	21900	17100	12600	24600	2040	3840	8100	6650	8230	6690	8860	15600	18400	4520	6140	na
Arsenic	14.7 N	4.6 N	5.9 N	**28.3 N**	3.3 N	3.2 N	6.2 N	8.1 N	11.2 N	7.7 N	3 N	3.7 N	5.3	9	**24**	na	14.1	14	5.1	12.3	5.1	4.3	3.2	15	5.4	5.7	**17.2**	**17.7**	**4.3**	**11.2**	**na**	**6.6**	**9.2**	16
Barium	120	121	83.5	39.6	127	120	604	109	60.4	80.6	195	21.8	34.5	61.9	16.1	26.7	117	121	178	134	106	224	14	34.9	42.9	65.8	113	142	79.7	124	109	47.5	62.1	10000
Beryllium	1.8 N*	2.7 N*	1.5 N*	0.65 N*	0.34 N*	0.38 N*	2.8 N*	1.2 N*	1.1 N*	1.5 N*	3.4 N*	0.51 N*	0.95	0.9	1	0.97	2.8	3.4	5	3.5	2.3	5.7	0.43	0.89	1.3	0.89	1.7	1	1.6	3.2	4.2	0.74	0.84	2700
Cadmium	2.1 N*	0.83 N*	0.7 N*	na	0.87 N*	0.54 N*	1.5 N*	0.45 N*	1.4 N*	0.23 N*	na	0.25 N*	3	3.5	9.7	3.1	5.2	2.4	1.5	2.6	1.5	1.2	0.82	4.2	4.1	3.3	4	3.7	2.3	2.9	na	na	1	60
Calcium	52300	142000	151000	8100	98500	131000	169000	121000	55800	35000	204000	201000	225000	181000	184000	308000	86400	130000	166000	127000	201000	197000	215000	27700	202000	164000	82100	55000	203000	132000	244000	103000	84700	na
Chromium	45.9 E	230 E	286 E	13.7 E	313 E	425 E	388 E	353 E	193 E	55.5 E	167 E	518 E	748	804	725	1190	212	83.9	104	159	191	88.2	68.4	133	391	602	171	377	508	199	115	200	207	6800
Cobalt	5.1 N	2.6 N	2.2 N	2 N	2.6 N	3 N	2.1 N	3.2 N	6.7 N	4.3 N	1.8 N	2.8 N	1.8	3.8	13.6	na	7.3	6.4	3	6.4	2.2	2.1	1.9	9	3	3.7	8.9	3.6	2	5.6	0.71	2.6	5.3	na
Copper	46.8 N	36.5 N	37.7 N	13.8 N	33.1 N	27.5 N	51.8 N	53.9 N	70.2 N	37.7 N	55.6 N	21.4 N	48.7	104	162	6.6	69.6	76.6	29.2	74	19.1	15	19.2	85.4	20.7	39.6	100	60	50	42.9	16.4	37.5	104	10000
Iron	55600 E*	51500 E*	49500 E*	8400 E*	75100 E*	77400 E*	50900 E*	86400 E*	80400 E*	53400 E*	34600 E*	132000	152000	167000	477000	174000	196000	156000	76200	157000	73500	47800	24300	192000	186000	165000	195000	56000	117000	184000	23300	52500	65000	na
Lead	141 EN*	128 EN*	83.2 EN*	22 EN*	81.1 EN*	68.4 EN*	121 EN*	160 EN*	97 EN*	51.6 EN*	23.3 EN*	85.3 EN*	64.7	114	9.1	8.9	144	69.3	51.2	113	24.6	13.7	530	115	31.4	80.7	130	185	62.5	112	15.2	62.6	224	3900
Magnesium	9330 E*	27000 E*	16200 E*	982 E*	27200 E*	55700 E*	21900 E*	22300 E	28300 E	5500 E	19900 E	27600 E	33500	20300	23800	20100	19000	24400	36100	26000	56017.51	40400	8140	41800	33700	24300	14200	12700	24400	20500	33300	17400	10200	na
Manganese	5250 *	**11300 ***	**18000 ***	573	**21700 ***	**30300**	**19600 ***	**44300 ***	6310 *	6490 *	**11200 ***	**18700 ***	**24900**	**20900**	**25800**	**26500**	4840	2680	3840	4910	**18200**	3500	742	4540	**28700**	**20500**	6230	10400	20400	7410	11700	9290	6510	10000
Mercury	0.203 *	0.052 *	0.182 *	0.069 *	0.587 *	na	0.031 *	0.099 *	0.121 *	0.053 *	na	0.057 *	0.103	0.141	na	na	0.089	0.052	0.2	0.161	0.048	0.021	0.214	0.234	0.04	na	0.083	0.173	0.056	0.166	0.082	0.066	0.988	5.7
Nickel	17.5 EN	13.3 EN	18.5 EN	8.1 EN	14.4 EN	19.8 EN	17.4 EN	13.4 EN	33.1 EN	17.7 EN	9.6 EN	19.1 EN	33.5	91.7	73.3	0.98	98	53.3	33.9	67.7	16.6	13.6	25	83.8	14.5	78.8	62.2	24.1	32	36.1	7.7	32	110	10000
Potassium	1160 E	1350 E	647 E	260 E	221 E	265 E	1660 E	617 E	341 E	986 E	1470 E	174 E	393	370	42.4	75.7	1080	1070	1450	1250	774	1600	552	396	232	382	1460	666	482	1140	1840	365	485	na
Selenium	na	na	4.9 N*	na	6.5 N*	7.3 N*	6.3 N*	13.2 N*	6 N*	na	4.7 N*	10.9 N*	na	na	na	5.5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	5.1	6800
Silver	na	0.95	0.96	na	0.95	1.8	2.5	1.8	0.63	0.85	0.57	0.77	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0.61	0.95	0.71	6800
Sodium	269	499	282	na	292	432	637	353	253	268	658	na	na	na	na	na	485	569	915	600	343	851	174	na	175	na	271	240	169	471	880	205	344	na
Thallium	na	na	na	na	na	na	na	10 N*	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Vanadium	37.9 N*	164 N*	189 N*	14.8 N*	216 N*	308 N*	259 N*	357 N*	91.6 N*	34.7 N*	131 N*	338 N*	517	438	407	686	89.6	36.2	41.1	64.8	210	31.8	45.6	33	602	442	126	262	400	94	98.5	154	78.9	na
Zinc	423 E*	507 E*	232 E*	34 E*	209 E*	223 E*	269 E*	283 E*	215 E*	128 E*	33.2 E*	77.1 E*	588	327	31.2	12.6	141	100	83.5	292	57.7	463	148	136	68.7	307	221	591	225	81.5	48	465	2690	10000
Wet Chemistry Analysis																																		
Cyanide - total	na	na	na	na	na	na	392	na	na	na	na	na	3.8	2.6	4.4	2.9	na	1.6	na	1.3	2.6	na	1.3	na	na	2.2	1.8	na	3.9	na	na	1.5	na	10000

Notes:
1. Surface samples collected from 0-0.5 feet below ground surface. Composites from subsurface samples collected from 3-4 feet below ground surface. Only chemicals detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC draft Part 375 Restricted Use Soil Cleanup Objectives.
3. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.

Definitions:
D = Indicates value obtained through dilution of sample.
E = Indicates value estimated or not reported due to the presence of interferences.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
N = Indicates spike sample recovery is not within the quality control limits.
na = not available
SCO = soil cleanup objective
"*" = Indicates the spike or duplicate analysis is not within the quality control limits.
BOLD = Analytical result exceeds Part 375 - Restricted Industrial SCO

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TABLE 2
SUMMARY OF CHEMICALS OF POTENTIAL CONCERN
Steel Winds Wind Farm Facility
Lackawanna, New York

Concentrations reported in milligrams per kilogram (mg/kg)

Chemical	Maximum Concentration[1]	SCO Restricted-Industrial[2]	COPC[3]	95% UCL[4]
TCL VOCs				
Acetone	0.038	1,000	No	--
2-Butanone (MEK)	0.006	1,000	No	--
Methylene Chloride	0.024	1,000	No	--
TCL SVOCs				
Acenaphthene	8.1	1,000	No	--
Acenaphthylene	0.77	1,000	No	--
Anthracene	17	1,000	No	--
Benzo (a) anthracene	27	11	**Yes**	3.9
Benzo (b) fluoranthene	26	11	**Yes**	4.7
Benzo (k) fluoranthene	14	110	**Yes**	7.9
Benzo (g,h,i) perylene	11	1,000	No	--
Benzo (a) pyrene	11	1.1	**Yes**	2.6
Biphenyl	0.56	na	No	--
Bis(2-ethylhexyl) phthalate	0.32	na	No	--
Carbazole	5.8	na	No	--
Chrysene	23	110	**Yes**	9.2
Dibenzo (a,h) anthracene	3	1.1	**Yes**	0.57
Dibenzofuran	4.6	1,000	No	--
Di-n-butyl phthalate	0.07	na	No	--
Fluoranthene	84	1,000	No	--
Fluorene	7.7	1,000	No	--
Indeno (1,2,3-cd) pyrene	11	11	**Yes**	2.2
2 - Methylnaphthalene	2	na	No	--
Naphthalene	2.3	1,000	No	--
Phenanthrene	58	1,000	No	--
Pyrene	47	1,000	No	--
TAL Metals				
Aluminum	24600	na	No	--
Arsenic	28.3	16	**Yes**	12
Barium	604	10,000	No	--
Beryllium	5.7	2,700	No	--
Cadmium	9.7	60	No	--
Calcium	308000	na	No	--
Chromium	1190	6,800	No	--
Cobalt	13.6	na	No	--
Copper	162	10,000	No	--
Iron	477000	na	No	--
Lead	530	3,900	No	--

TABLE 2
SUMMARY OF CHEMICALS OF POTENTIAL CONCERN
Steel Winds Wind Farm Facility
Lackawanna, New York

Concentrations reported in milligrams per kilogram (mg/kg)

Chemical	Maximum Concentration[1]	SCO Restricted-Industrial[2]	COPC[3]	95% UCL[4]
Magnesium	56017.51	na	No	--
Manganese	44300	10,000	**Yes**	17677
Mercury	0.988	5.7	No	--
Nickel	110	10,000	No	--
Potassium	1840	na	No	--
Selenium	13.2	6,800	No	--
Silver	2.5	6,800	No	--
Sodium	915	na	No	--
Thallium	10	na	No	--
Vanadium	686	na	No	--
Zinc	2690	10,000	No	--
Wet Chemistry Analysis				
Cyanide - total	392	10,000	No	--

Notes:
1. Maximum detected concnetration for all surface soil and subsurface composite samples.
2. Values per NYSDEC draft Part 375 Restricted Use Soil Cleanup Objectives. The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000 ppm.
3. Classified as a chemical of potential concern (COPC) if the maximum concentration is greater than the cleanup goal for restircted industrial site use. However, as a conservative measure all carcinogenic polycyclic aromatic hydrocarbons (PAHs) are classified as COPCs regardless of the maximum concentration.
4. If classified as as a chemical of potential concern the 95 percent uppper confidence limit was calculated using ProUCL software developed by the U.S. EPA.

Definitions:
COPC = chemical of potential concern
SCO = soil cleanup objective
95% UCL = 95 percent upper confidence limit
-- = not applicable

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TABLE 3

PHYSICOCHEMICAL PROPERTIES FOR CHEMICALS OF POTENTIAL CONCERN

Steel Winds Wind Farm Facility

Lackawanna, New York

CAS No.	Chemical	Log Octanol-Water Coefficient (log Kow)		Henry's Law Constant (H)		Water Solubility (S)		Diffusivity in Air (D_i)		Diffusivity in Water (Dw)		Organic Carbon Partition Coefficient (Koc)		Molecular Weight (MW)		Dermal Soil Absorption (ABSds)	
		(unitless)	Ref	(atm-m^3/mole)	Ref	(mg/L)	Ref	(cm^2/sec)	Ref	(cm^2/sec)	Ref	(L/kg)	Ref	(g/mole)	Ref	--	Ref
91203	Arsenic	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	75	5	0.03	6
191242	Benzo(a)anthracene	5.70	1	3.4E-06	1	9.4E-03	3	5.1E-02	3	9.0E-06	3	4.0E+05	3	228.3	4	0.13	2
193395	Benzo(a)pyrene	6.11	1	1.1E-06	2	1.6E-03	2	4.3E-02	2	9.0E-06	2	1.0E+06	2	252.32	4	0.13	6
205992	Benzo(b)fluoranthene	6.20	1	1.1E-04	2	1.5E-03	2	2.3E-02	2	5.6E-06	2	1.2E+06	2	252.32	2	0.13	6
207089	Benzo(k)fluoranthene	6.20	1	8.3E-07	2	8.0E-04	2	2.3E-02	2	5.6E-06	2	1.2E+06	2	252.32	4	0.13	6
71432	Chrysene	5.70	1	9.4E-05	2	6.3E-03	2	2.5E-02	2	6.2E-06	2	4.0E+05	2	228.3	2	0.13	6
7440484	Dibenz(a,h)anthracene	6.69	1	1.5E-08	2	2.5E-03	2	2.0E-02	2	5.2E-06	2	3.8E+06	2	278.36	4	0.13	6
75343	Indeno(1,2,3-cd)pyrene	6.65	1	1.6E-06	2	2.2E-05	2	1.9E-02	2	5.7E-06	2	3.5E+06	2	276.34	4	0.13	6
7439965	Manganese	NA	--	NA	--	NA	--	NA	--	NA	--	NA	--	55	--	0.01	2

References:

1. U.S. EPA, 1996. Soil Screening Guidance: Technical Background Document. Office of Solid Waste and Emergency Response. EPA/540/R-95/128. May
2. User's Guide for Evaluating Subsurface Vapor Intrusion Into Buildings, Revised February 22, 2004.
3. U.S. EPA, 1996, Soil Screening Guidance: User's Guide. Office of Solid Waste and Emergency Response. 9355.4-23, July.
4. Montgomery, JH. 1996. Groundwater Chemicals Desk Reference (Second Edition). Lewis Publishers. New York. [Anything update 4/10/01 or after reflects the 2000 - Third edition]
5. Merck Index, 1996
6. U.S. EPA, 2004, Risk Assessment Guidance for Superfund, Volume 1: Human Health Evaluation Manual (Part E, Supplemental guidance for Dermal Risk Assessment), Final.

Abbreviations:

atm-m^3/mole = atmospheres - cubic meter per mole
cm^2/sec = centimeters squared per second
g/mol = grams per mole
L/kg = liters per kilogram
mg/L = milligrams per Liter
NA = Not available
Ref = Reference
-- = Not applicable

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TABLE 4
EXPOSURE PARAMETERS FOR
MAINTENANCE WORKER SCENARIO
Steel Winds Wind Farm Facility
Lackawanna, New York

Exposure Parameter	Abbreviation	Units	Reasonable Maximum Exposure
GENERAL EXPOSURE PARAMETERS			
Exposure Frequency	EF	days/year	Value: 31 Rationale: Based on one day per week for 31 weeks per year; Site-specific assumption
Exposure Duration	ED	years	Value: 21.9 Rationale: NYSDEC, 2006
Body Weight	BW	kg	Value: 70 Rationale: U.S. EPA, 1991
Averaging Time	AT	days	25,550 (carcinogens) Value: 7,994 (noncarcinogens) Rationale: U.S. EPA, 1991
PATHWAY-SPECIFIC PARAMETERS			
Incidental Soil Ingestion			
Ingestion Rate	IR	mg/day	Value: 50 Rationale: U.S. EPA, 1997, NYSDEC, 2006
Exposure Time Adjustment Factor	ETadj	hrs/hrs	Value: 4 / 8 Rationale: Adjustment for a 4-hour exposure period over an 8-hour standard work day; Site-specific assumption
Dermal Contact with Soil			
Exposed Skin Surface Area	SA	cm^2/day	Value: 2,480 Rationale: NYSDEC, 2006
Exposure Time Adjustment Factor	ETadj	hrs/hrs	Value: 4 / 8 Rationale: Adjustment for a 4-hour exposure period over an 8-hour standard work day; Site-specific assumption
Soil-to-Skin Adherence Factor	SAs	mg/cm^2	Value: 0.2 Rationale: U.S. EPA, 2004, NYSDEC, 2006
Inhalation of Suspended Soil Particultes in Ambient Air			
Particulate Emission Factor	PEF	m^3/kg	Value: 1.32×10^9 Rationale: U.S. EPA, 1996
Inhalation Rate	IHR	m^3/hr	Value: 1.5 Moderate activities; Rationale: U.S. EPA, 1997
Exposure Time	ET	hrs	Value: 4 Rationale: Site-specific assumption

References:

NYSDEC, 2006 = New York State Department of Environmental Conservation, 2006, Development of Soil Cleanup Objective, Technical Support Document, September.

U.S. EPA, 1991 = U.S. EPA, 1991, Human Health Evaluation Manual, Supplemental Guidance: "Standard Default Exposure Factors," Office of Emergency and Remedial Response, Washington, D.C.

U.S. EPA, 1996 = U.S EPA, 1996, Soil Screening Guidance User's Guide, Office of Solid Waste and Emergency Response, Washington D.C, July.

U.S. EPA, 1997 = U.S. Environmental Protection Agency, 1997, Exposure Factors Handbook

U.S. EPA, 2004 = Risk Assessment Guidance for Superfund, Volume 1: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessments), Interim, Office of Emergency and Remedial Response, Washington, D.C., August.

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TABLE 4
EXPOSURE PARAMETERS FOR
MAINTENANCE WORKER SCENARIO
Steel Winds Wind Farm Facility
Lackawanna, New York

Abbreviations:

cm^2 = square centimeters
hrs = hours
kg = kilograms
m^3/hr = cubic meters per hour
m^3/kg = cubic meters per kilogram
mg/day = milligrams per day

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TABLE 5

CHRONIC NONCARCINOGENIC TOXICITY CRITERIA FOR CHEMICALS OF POTENTIAL CONCERN

Steel Winds Wind Farm Facility
Lackawanna, New York

		Oral						Dermal		Inhalation					
CAS No.	Chemical	Reference Dose (RfDo) (mg/kg-day)	UF x MF	Target Species	Target Organ	Critical Effect	Reference	Dermal Adjustment Factor (ABS_{GI})	Reference Dose (RfDd) (mg/kg-day)	Reference Dose (RfDi) (mg/kg-day)	UF x MF	Target Species	Target Organ	Critical Effect	Reference
91203	Arsenic	0.0003	3 x 1	Human	Skin	Hyperpigmentation, Keratosis	IRIS	1	0.0003	0.0003	Route Extrapolation				IRIS
191242	Benzo(a)anthracene	NA	--	--	--	--	--	1	NA	NA	--	--	--	--	--
193395	Benzo(a)pyrene	NA	--	--	--	--	--	1	NA	NA	--	--	--	--	--
205992	Benzo(b)fluoranthene	NA	--	--	--	--	--	1	NA	NA	--	--	--	--	--
207089	Benzo(k)fluoranthene	NA	--	--	--	--	--	1	NA	NA	--	--	--	--	--
71432	Chrysene	NA	--	--	--	--	--	1	NA	NA	--	--	--	--	--
7440484	Dibenz(a,h)anthracene	NA	--	--	--	--	--	1	NA	NA	--	--	--	--	--
75343	Indeno(1,2,3-cd)pyrene	NA	--	--	--	--	--	1	NA	NA	--	--	--	--	--
7439965	Manganese	0.14	1x1	Human	CNS	--	IRIS	0.04	0.0056	0.000014	Human	1000 x 1	CNS	Impairment	IRIS

References:
IRIS = U.S. EPA, 2007, Integrated Risk Information System (IRIS) Data Base

Abbreviations:
CNS = central nervouse system
MF = Modifying Factor
mg/kg-day = milligrams per kilogram per day
NA = Not available
RfDi = Inhalation Reference Dose
RfDo = Oral Reference Dose
UF = Uncertainty Factor
-- = Not applicable

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TABLE 6
CARCINOGENIC TOXICITY CRITERIA FOR CHEMICALS OF POTENTIAL CONCERN
Steel Winds Wind Farm Facility
Lackawanna, New York

		Oral							Dermal		Inhalation						
CAS No.	Chemical	Slope Factor (SFo) $(mg/kg\text{-}d)^{-1}$	Target Species	Target Organ	Critical Effect	Reference	Weight-of-evidence	Reference	Dermal Adjustment Factor (ABS_{GI})	Slope Factor (SFd) $(mg/kg\text{-}d)^{-1}$	Slope Factor (SFi) $(mg/kg\text{-}d)^{-1}$	Target Species	Target Organ	Critical Effect	Reference	Weight-of-evidence	Reference
7440382	Arsenic	1.5	Human	Skin	Cancer	IRIS	A	IRIS	1	1.5	15	Human	Lung	Adenocarcinoma, Carcinoma	IRIS	A	IRIS
56553	Benzo(a)anthracene	0.73	NA	NA	NA	IRIS	B2	IRIS	1	0.73	0.73	NA	NA	NA	IRIS	B2	IRIS
50328	Benzo(a)pyrene	7.3	Mouse	Forestomach	Papilloma, Carcinoma	IRIS	B2	IRIS	1	7.3	7.3	Route Extrapolation			--	--	--
205992	Benzo(b)fluoranthene	0.73	NA	NA	NA	IRIS	B2	IRIS	1	0.73	0.73	Route Extrapolation			--	--	--
207089	Benzo(k)fluoranthene	1.2	NA	NA	NA	IRIS	B2	IRIS	1	1.2	0.39	Route Extrapolation			--	--	--
218019	Chrysene	0.12	NA	NA	NA	IRIS	B2	IRIS	1	0.12	0.039	NA	NA	NA	IRIS	B2	IRIS
53703	Dibenz(a,h)anthracene	7.3	Mouse	Lung	Carcinoma	IRIS	B2	IRIS	1	7.3	7.3	Route Extrapolation			--	--	--
193395	Indeno(1,2,3-cd)pyrene	0.73	NA	NA	NA	IRIS	B2	IRIS	1	0.73	0.73	NA	NA	NA	IRIS	B2	IRIS
7439965	Manganese	NC	--	--	--	IRIS	D	IRIS	0.04	--	NC	--	--	--	IRIS	D	IRIS

References:
IRIS = U.S. EPA, 2005, Integrated Risk Information System (IRIS) Database

Weight of Evidence:
B1 = Probable human carcinogen - based on limited evidence of carcinogenicity in humans
B2 = Likely to be carcinogenic to humans based on strong evidence of carcinogenicity in animals and inconclusive evidence of carcinogenicity in an exposed human population
C = Possible human carcinogen
D = Inadequate evidence to assess carcinogenic potential

Abbreviations:
mg/kg-d = milligrams per kilogram per day
NA = Not available
NC = Not believed to be carcinogenic
Sfi = Inhalation Slope Factor
Sfo = Oral Slope Factor
-- = Not applicable

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TABLE 7
SUMMARY OF NONCARCINOGENIC HAZARD INDEXES
Steel Winds Wind Farm Facility
Lackawanna, New York

Chemical	Incidental Ingestion of Soil	Dermal Contact with Soil	Inhalation of Particulates	Hazard Index	Percent Contribution
Arsenic	1.2E-03	3.5E-04	2.1E-07	2E-03	7%
Benzo(a)anthracene	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA
Manganese	3.8E-03	9.5E-03	7.0E-03	2E-02	93%
Total	5.0E-03	9.8E-03	7.0E-03	2E-02	100%
Percent Contribution	23%	45%	32%		

Abbreviatons:
NA = not applicable

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TABLE 8
SUMMARY OF EXCESS LIFETIME CANCER RISKS
Steel Winds Wind Farm Facility
Lackawanna, New York

Chemical	Incidental Ingestion of Soil	Dermal Contact with Soil	Inhalation of Particulates	Excess Cancer Risk	Percent Contribution
Arsenic	1.6E-07	4.9E-08	3.0E-10	2E-07	19%
Benzo(a)anthracene	2.7E-08	3.5E-08	4.9E-12	6E-08	6%
Benzo(a)pyrene	1.8E-07	2.3E-07	3.2E-11	4E-07	37%
Benzo(b)fluoranthene	3.2E-08	4.2E-08	5.9E-12	7E-08	7%
Benzo(k)fluoranthene	9.0E-08	1.2E-07	5.3E-12	2E-07	18%
Chrysene	1.0E-08	1.4E-08	6.2E-13	2E-08	2%
Dibenz(a,h)anthracene	4.0E-08	5.1E-08	7.2E-12	9E-08	8%
Indeno(1,2,3-cd)pyrene	1.5E-08	2.0E-08	2.8E-12	4E-08	3%
Manganese	NA	NA	NA	NA	NA
Total	5.6E-07	5.6E-07	3.6E-10	1E-06	100%
Percent Contribution	50%	50%	0%		

Abbreviations:
NA = not applicable

APPENDIX A
HUMAN HEALTH RISK CALCULATIONS

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ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
Lackawanna, New York
Project # 13309.000

RISK EQUATIONS

INCIDENTAL INGESTION OF SOIL/SEDIMENT

AADD =	$\frac{(Cs \times IRs \times ABSos \times EFig \times ETajd \times ED \times CFmg\text{-}kg)}{(BW \times ATnc)}$	Hazard Quotient =	$\frac{AADD}{RfDo}$
LADD =	$\frac{(Cs \times IRs \times ABSos \times EFig \times ETajd \times ED \times CFmg\text{-}kg)}{(BW \times ATca)}$	Excess Cancer Risk =	LADD x SFo

DERMAL CONTACT WITH SOIL/SEDIMENT

AADD =	$\frac{(Cs \times SAs \times SAF \times ABSds \times EFdc \times ETadj \times ED \times CFmg\text{-}kg)}{(BW \times ATnc)}$	Hazard Quotient =	$\frac{AADD}{RfDo}$
LADD =	$\frac{(Cs \times SAs \times SAF \times ABSds \times EFdc \times ETadj \times ED \times CFmg\text{-}kg)}{(BW \times ATca)}$	Excess Cancer Risk =	LADD x SFo

INHALATION OF RESUSPENDED SOIL PARTICULATES

AADD =	$\frac{(Cs \times IHRaa \times ETaa \times ABSip \times EFaa \times ED)}{(BW \times PEF \times ATnc)}$	Hazard Quotient =	$\frac{AADD}{RfDi}$
LADD =	$\frac{(Cs \times IHRaa \times ETaa \times ABSip \times EFaa \times ED)}{(BW \times PEF \times ATca)}$	Excess Cancer Risk =	LADD x SFi

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ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
Lackawanna, New York
Project # 13309.000

EXPOSURE PARAMETERS

Parameter	Symbol	Units	Maintenance Worker
ALL PATHWAYS			
Exposure Frequency	EF	d/yr	31
Exposure Duration	ED	yr	21.9
Body Weight	BW	kg	70
Averaging Time-Non-cancer	ATnc	days	7,994
Averaging Time-Cancer	ATca	days	25,550
INCIDENTAL INGESTION OF SOIL/SEDIMENT			
Exposure Frequency	EFig	d/yr	31
Exposure Time Adjustment Factor	ETadj	hr/hr	4 / 8
Ingestion Rate	IRs	mg/d	50
DERMAL CONTACT WITH SOIL/SEDIMENT			
Exposure Frequency	EFdc	d/yr	31
Exposure Time Adjustment Factor	ETadj	hr/hr	4 / 8
Surface Area	SAs	cm^2	2480
Soil-to-Skin Adherence Factor	SAF	mg/cm^2	0.2
INHALATION OF RESUSPENDED SOIL PARTICULATES			
Exposure Frequency	EFpe	d/yr	31
Exposure Time	ETpe	hr/d	4
Inhalation Rate	IHRpe	m^3/hr	1.5

ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
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REPRESENTATIVE CONCENTRATIONS

Chemical	Soil (mg/kg)
Arsenic	1.2E+01
Benzo(a)anthracene	3.9E+00
Benzo(a)pyrene	2.6E+00
Benzo(b)fluoranthene	4.7E+00
Benzo(k)fluoranthene	7.9E+00
Chrysene	9.2E+00
Dibenz(a,h)anthracene	5.7E-01
Indeno(1,2,3-cd)pyrene	2.2E+00
Manganese	1.8E+04

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ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
Lackawanna, New York
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TOXICITY CRITERIA

Chemical	Slope Factors (SF)			Reference Doses (RfD)			
	oral SFo $(mg/kg\text{-}d)^{-1}$	dermal SFd $(mg/kg\text{-}d)^{-1}$	inhalation SFi $(mg/kg\text{-}d)^{-1}$	chronic oral RfDo (mg/kg-d)	Child oral RfDch (mg/kg-d)	~~chronic~~ dermal RfDd (mg/kg-d)	~~chronic~~ inhalation RfDi (mg/kg-d)
Arsenic	1.5	1.5	15	0.0003	0.0003	0.0003	0.0003
Benzo(a)anthracene	0.73	0.73	0.73	NA	NA	NA	NA
Benzo(a)pyrene	7.3	7.3	7.3	NA	NA	NA	NA
Benzo(b)fluoranthene	0.73	0.73	0.73	NA	NA	NA	NA
Benzo(k)fluoranthene	1.2	1.2	0.39	NA	NA	NA	NA
Chrysene	0.12	0.12	0.039	NA	NA	NA	NA
Dibenz(a,h)anthracene	7.3	7.3	7.3	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.73	0.73	0.73	NA	NA	NA	NA
Manganese	NC	NA	NC	0.14	0.14	0.0056	0.000014

ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
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PHYSICOCHEMICAL PROPERTIES

Chemical	Log Octanol Water Partition Coefficient (log Kow) (--)	Henry's Law Constant (H) (atm-m^3/mole)	Henry's Law Constant (H') (unitless)	Henry's Law Constant (H) (Pa-L/mole)	Aqueous Solubility (S) (mg/l)	Diffusivity in Air (Di) (cm^2/sec)	Diffusivity in Water (Dw) (cm^2/sec)	Organic Carbon Partition Coefficient (Koc) (l/kg)	Molecular Weight (MW) (g/mole)	VOC?
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	75.00	NA
Benzo(a)anthracene	5.70	3.35E-06	1.37E-04	3.39E+02	9.40E-03	5.10E-02	9.00E-06	3.98E+05	228.30	No
Benzo(a)pyrene	6.11	1.13E-06	4.63E-05	1.14E+02	1.62E-03	4.30E-02	9.00E-06	1.02E+06	252.32	No
Benzo(b)fluoranthene	6.20	1.11E-04	4.54E-03	1.12E+04	1.50E-03	2.26E-02	5.56E-06	1.23E+06	252.32	No
Benzo(k)fluoranthene	6.20	8.29E-07	3.40E-05	8.40E+01	8.00E-04	2.26E-02	5.56E-06	1.23E+06	252.32	No
Chrysene	5.70	9.44E-05	3.87E-03	9.56E+03	6.30E-03	2.48E-02	6.21E-06	3.98E+05	228.30	No
Dibenz(a,h)anthracene	6.69	1.47E-08	6.03E-07	1.49E+00	2.49E-03	2.02E-02	5.18E-06	3.80E+06	278.36	No
Indeno(1,2,3-cd)pyrene	6.65	1.60E-06	6.56E-05	1.62E+02	2.20E-05	1.90E-02	5.66E-06	3.47E+06	276.34	No
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	55.00	NA

$H' = H / RT$

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ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
Lackawanna, New York
Project # 13309.000

INCIDENTAL INGESTION OF SOIL: MAINTENANCE WORKER

Chemical	Concentration Soil (Cs) (mg/kg)	Oral Absorption Factor-Soil (ABSos) (--)	Annual Average Daily Dose (AADD) (mg/kg-d)	Oral Chronic Reference Dose (RfDo) (mg/kg-d)	Hazard Quotient (--)	Lifetime Average Daily Dose (LADD) (mg/kg-d)	Oral Slope Factor (SFo) $(mg/kg\text{-}d)^{-1}$	Excess Cancer Risk (--)
Arsenic	1.16E+01	1	3.5E-07	0.0003	1.2E-03	1.1E-07	1.5	1.6E-07
Benzo(a)anthracene	3.92E+00	1	1.2E-07	NA	NA	3.7E-08	0.73	2.7E-08
Benzo(a)pyrene	2.56E+00	1	7.8E-08	NA	NA	2.4E-08	7.3	1.8E-07
Benzo(b)fluoranthene	4.69E+00	1	1.4E-07	NA	NA	4.4E-08	0.73	3.2E-08
Benzo(k)fluoranthene	7.87E+00	1	2.4E-07	NA	NA	7.5E-08	1.2	9.0E-08
Chrysene	9.21E+00	1	2.8E-07	NA	NA	8.7E-08	0.12	1.0E-08
Dibenz(a,h)anthracene	5.74E-01	1	1.7E-08	NA	NA	5.4E-09	7.3	4.0E-08
Indeno(1,2,3-cd)pyrene	2.22E+00	1	6.7E-08	NA	NA	2.1E-08	0.73	1.5E-08
Manganese	1.77E+04	1	5.4E-04	0.14	3.8E-03	1.7E-04	NC	NA
					5.0E-03			6E-07

$$AADD = \frac{(Cs \times IRs \times ABSos \times EFig \times ETajd \times ED \times CFmg\text{-}kg)}{(BW \times ATnc)}$$

$$LADD = \frac{(Cs \times IRs \times ABSos \times EFig \times ETajd \times ED \times CFmg\text{-}kg)}{(BW \times ATca)}$$

$$\text{Hazard Quotient} = \frac{AADD}{RfDo}$$

$$\text{Excess Cancer Risk} = LADD \times SFo$$

Parameter	Symbol	Value	Units
Exposure Frequency	EFig	31	d/yr
Exposure Time Adjustment	ETadj	4/8	hr/hr
Exposure Duration	ED	21.9	yr
Body Weight	BW	70	kg
Averaging Time-Non-cancer	ATnc	7,994	days
Averaging Time-Cancer	ATca	25,550	days
Ingestion Rate	IRs	50	mg/d
Conversion Factor from mg to kg	$CF_{mg\text{-}kg}$	1E-06	kg/mg

ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
Lackawanna, New York
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DERMAL CONTACT WITH SOIL: MAINTENANCE WORKER

Chemical	Concentration Soil (Cs) (mg/kg)	Dermal Absorption Factor-Soil (ABSds) (--)	Annual Average Daily Dose (AADD) (mg/kg-d)	Dermal Chronic Reference Dose (RfDd) (mg/kg-d)	Hazard Quotient (--)	Lifetime Average Daily Dose (LADD) (mg/kg-d)	Dermal Slope Factor (SFd) $(mg/kg-d)^{-1}$	Excess Cancer Risk (--)
Arsenic	1.16E+01	0.03	1.0E-07	0.0003	3.5E-04	3.3E-08	1.5	4.9E-08
Benzo(a)anthracene	3.92E+00	0.13	1.5E-07	NA	NA	4.8E-08	0.73	3.5E-08
Benzo(a)pyrene	2.56E+00	0.13	1.0E-07	NA	NA	3.1E-08	7.3	2.3E-07
Benzo(b)fluoranthene	4.69E+00	0.13	1.8E-07	NA	NA	5.7E-08	0.73	4.2E-08
Benzo(k)fluoranthene	7.87E+00	0.13	3.1E-07	NA	NA	9.6E-08	1.2	1.2E-07
Chrysene	9.21E+00	0.13	3.6E-07	NA	NA	1.1E-07	0.12	1.4E-08
Dibenz(a,h)anthracene	5.74E-01	0.13	2.2E-08	NA	NA	7.0E-09	7.3	5.1E-08
Indeno(1,2,3-cd)pyrene	2.22E+00	0.13	8.7E-08	NA	NA	2.7E-08	0.73	2.0E-08
Manganese	1.77E+04	0.01	5.3E-05	0.0056	9.5E-03	1.7E-05	NA	NA
					1E-02			6E-07

$$AADD = \frac{(Cs \times SAs \times SAF \times ABSds \times EFdc \times ETadj \times ED \times CFmg\text{-}kg)}{(BW \times ATnc)}$$

$$LADD = \frac{(Cs \times SAs \times SAF \times ABSds \times EFdc \times ETadj \times ED \times CFmg\text{-}kg)}{(BW \times ATca)}$$

$$\text{Hazard Quotient} = \frac{AADD}{RfDo}$$

$$\text{Excess Cancer Risk} = LADD \times SFo$$

Parameter	Symbol	Values	Units
Exposure Frequency	EFdc	31	d/yr
Exposure Time Adjustment	ETadj	4/8	hr/hr
Exposure Duration	ED	21.9	yr
Body Weight	BW	70	kg
Averaging Time-Non-cancer	ATnc	7,994	days
Averaging Time-Cancer	ATca	25,550	days
Surface Area	SAs	2,480	cm^2
Soil-to-Skin Adherence Factor	SAF	0.2	mg/cm^2
Conversion Factor from mg to kg	CF_{mg-kg}	1E-06	kg/mg

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ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
Lackawanna, New York
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INHALATION OF RESUSPENDED PARTICULATES FROM SOIL: MAINTENANCE WORKER

Chemical	Concentration Soil (Cs) (mg/kg)	Inhalation Absorption Factor-Dusts (ABSip) (--)	Annual Average Daily Dose (AADD) (mg/kg-d)	Inhalation Chronic Reference Dose (RfDi) (mg/kg-d)	Hazard Quotient (--)	Lifetime Average Daily Dose (LADD) (mg/kg-d)	Inhalation Slope Factor (SFi) $(mg/kg-d)^{-1}$	Excess Cancer Risk (--)
Arsenic	1.16E+01	1	6.4E-11	0.0003	2.1E-07	2.0E-11	15	3.0E-10
Benzo(a)anthracene	3.92E+00	1	2.2E-11	NA	NA	6.8E-12	0.73	4.9E-12
Benzo(a)pyrene	2.56E+00	1	1.4E-11	NA	NA	4.4E-12	7.3	3.2E-11
Benzo(b)fluoranthene	4.69E+00	1	2.6E-11	NA	NA	8.1E-12	0.73	5.9E-12
Benzo(k)fluoranthene	7.87E+00	1	4.3E-11	NA	NA	1.4E-11	0.39	5.3E-12
Chrysene	9.21E+00	1	5.1E-11	NA	NA	1.6E-11	0.039	6.2E-13
Dibenz(a,h)anthracene	5.74E-01	1	3.2E-12	NA	NA	9.9E-13	7.3	7.2E-12
Indeno(1,2,3-cd)pyrene	2.22E+00	1	1.2E-11	NA	NA	3.8E-12	0.73	2.8E-12
Manganese	1.77E+04	1	9.7E-08	0.000014	7.0E-03	3.1E-08	NC	NA
					7E-03			4E-10

$$AADD = \frac{(Cs \times IHRaa \times ETaa \times ABSip \times EFaa \times ED)}{(BW \times PEF \times ATnc)} \qquad \text{Hazard Quotient} = \frac{AADD}{RfDi}$$

$$LADD = \frac{(Cs \times IHRaa \times ETaa \times ABSip \times EFaa \times ED)}{(BW \times PEF \times ATca)} \qquad \text{Excess Cancer Risk} = LADD \times SFi$$

Parameter	Symbol	Units	Values
Exposure Frequency	EFpe	d/yr	31
Exposure Duration	ED	yr	21.9
Body Weight	BW	kg	70
Averaging Time-Non-cancer	ATnc	days	7,994
Averaging Time-Cancer	ATca	days	25,550
Inhalation Rate	IHRpe	m^3/hr	1.5
Exposure Time	ETpe	hr/d	4
Particulate Emission Factor	PEF	m^3/kg	1.32E+09

ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
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Project # 13309.000

SUMMARY RISK CHARACTERIZATION: MAINTENANCE WORKER

Chemical	Incidental Ingestion of Soil	Dermal Contact with Soil	Inhalation of Particulates	Hazard Index
Arsenic	1.2E-03	3.5E-04	2.1E-07	1.5E-03
Benzo(a)anthracene	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA
Manganese	3.8E-03	9.5E-03	7.0E-03	2.0E-02
Total	5.0E-03	9.8E-03	7.0E-03	2.2E-02

NA = not applicable

ATTACHMENT A
HUMAN HEALTH RISK ASSESSMENT CALCULATIONS
Steel Winds Wind Farm Facility
Lackawanna, New York
Project # 13309.000

SUMMARY RISK CHARACTERIZATION: MAINTENANCE WORKER

Chemical	Incidental Ingestion of Soil	Dermal Contact with Soil	Inhalation of Particulates	Excess Cancer Risk
Arsenic	1.6E-07	4.9E-08	3.0E-10	2.1E-07
Benzo(a)anthracene	2.7E-08	3.5E-08	4.9E-12	6.2E-08
Benzo(a)pyrene	1.8E-07	2.3E-07	3.2E-11	4.1E-07
Benzo(b)fluoranthene	3.2E-08	4.2E-08	5.9E-12	7.4E-08
Benzo(k)fluoranthene	9.0E-08	1.2E-07	5.3E-12	2.1E-07
Chrysene	1.0E-08	1.4E-08	6.2E-13	2.4E-08
Dibenz(a,h)anthracene	4.0E-08	5.1E-08	7.2E-12	9.1E-08
Indeno(1,2,3-cd)pyrene	1.5E-08	2.0E-08	2.8E-12	3.5E-08
Manganese	NA	NA	NA	NA
Total	5.6E-07	5.6E-07	3.6E-10	1E-06

NA = not applicable

APPENDIX H

LAND USE EVALUATION

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LAND USE EVALUATION

The current, intended, and reasonably anticipated future land use of the Steel Winds Site is industrial; the reasonably anticipated future land use of its immediate surroundings is mixed commercial/industrial. Per draft regulations contained in 6NYCRR Part 375, the reasonably anticipated future use of the Site and its surroundings is based on the following factors:

- **Current use and historical and/or recent development patterns:** *The Steel Winds Site is located on a 31-acre portion of the former BSC Lackawanna Works (Tecumseh Redevelopment) property that was created from the historic disposal of slag fill along the Lake Erie shoreline. The Site is presently being developed as a wind energy facility.*

- **Applicable zoning laws and maps:** *The Site is located in an area of the City zoned medium-density industrial.*

- **Brownfield opportunity areas as designated set forth in GML 970-r:** *The Brownfield Opportunity Area (BOA) Program provides municipalities and community based organizations with assistance to complete revitalization plans and implementation strategies for areas or communities affected by the presence of brownfield sites, and site assessments for strategic sites. The subject property does not lie within a BOA.*

- **Applicable comprehensive community master plans, local waterfront revitalization plans as provided for in EL article 42, or any other applicable land use plan formally adopted by a municipality:** *The City of Lackawanna has, through SEQR, determined that use of the subject property for power generation is consistent with master planning.*

- **Proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas:** *The Site is surrounded by industrial properties. The intended land use beyond the Site boundaries includes mixed business/commercial/industrial.*

- **Any written and oral comments submitted by members of the public on the proposed use as part of the activities performed pursuant to the citizen participation plan:** *No comments have been received from the public.*

- **Environmental justice concerns, which for purposes of this subpart, include the extent to which the proposed use may reasonably be expected to cause or increase a disproportionate burden on the community in which the site is located, including low-income minority communities, or to result in a disproportionate concentration of commercial or industrial uses in what has historically been a mixed use or residential community:** *None identified.*

APPENDIX H
LAND USE EVALUATION

- **Federal or State land use designations:** *The property is classified as udorthents (deep manmade cuts or fills) by the U.S. Department of Agriculture Soil Conservation Service.*

- **Population growth patterns and projections:** *The population of the City of Lackawanna in 2000 was 19,064 (2000 Census). The 2004 population estimate for the City of Lackawanna is 18,394 (a decline of 3.5%). This trend indicates an increased availability of existing residential property, which in turn supports non-residential redevelopment.*

- **Accessibility to existing infrastructure:** *The main local roadways that provide access to the Site are NYS Route 5/Hamburg Turnpike and Fuhrmann Boulevard. Existing sanitary sewer, supplied water, electrical, natural gas and communications utilities are present immediately adjacent to the Site and are of sufficient capacity for industrial redevelopment.*

- **Proximity of the site to important cultural resources, including federal or State historic or heritage sites or Native American religious sites:** *None.*

- **Natural resources, including proximity of the site to important federal, State or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species:** *Information related to 'important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats or endangered or threatened species proximate to the site was researched and reported in the "Revised Draft RCRA Facility Investigation Report, Part III: Ecological Risk Assessment" Former Bethlehem Steel Corporation, September 2004. The following information was obtained from this reference. There are no wetlands on the subject Site. The Site is "adjacent to a Significant Coastal Fish and Wildlife Habitat, Smokes Creek Shoals." The significance is due to the importance of Smokes Creek Shoals as a walleye spawning area. There are no threatened or endangered species, nor important plant habitats listed at the site. The Site's western boundary is approximately 100 feet from Lake Erie at its closest point.*

- **Potential vulnerability of groundwater to contamination that might emanate from the site, including proximity to wellhead protection and groundwater recharge areas and other areas identified by the Department and the State's comprehensive groundwater remediation and protection program established set forth in ECL article 15 title 31:** *There is a deed restriction on the use of groundwater from the entire approximately 1,100-acre BSC site; groundwater supply wells are not present on the site. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Municipal potable water service is provided offsite and onsite by the Erie County Water Authority. Groundwater vulnerability would potentially be related to potential environmental impacts on the offsite area to the east of the site, and related to the discharge of groundwater to Lake Erie.*

APPENDIX H
LAND USE EVALUATION

- **Proximity to flood plains:** *Portions of the Tecumseh property lie within the 100-year floodplain. The 100-year floodplain in the vicinity of the Site is restricted to the Smokes Creek corridor. The Erie County Internet Mapping System indicates that the Smokes Creel 100-year floodplain encroaches on the southern boundary of the Site.*

- **Geography and geology:** *Slag/fill deposits cover much of the Site, particularly near Lake Erie. Below the fill, the natural surficial geology of the Site is composed principally of lake sediments consisting of silty sands that are underlain by Lacustrine silts and clays and glacial till. Peat is also occasionally found between the sand and fill. Lying below the till is bedrock, which is composed mostly of dark gray and black fissile shale. A gray limestone has also been encountered in several of the borings drilled to bedrock. The fill consists of iron-making and steel-making slag, dredge spoils, cinders, coke, ashes, and brick and steel construction debris generated from historic BCS activities combined with granular fill soils. The thickness of the fill is extremely variable; high ridges of fill more than 100 feet thick are present along the Lake Erie shoreline at the northwest corner of the Site.*

- **Current institutional controls applicable to the site:** *There is a deed restriction on the use of groundwater from the entire approximately 1,100-acre BSC site. An Environmental Easement will be filed for the Site, restricting use to commercial/industrial and prohibiting groundwater use.*